

**SAMPLE QUESTION PAPERS  
CONTAINING  
COURSE OUTCOMES  
SESSION 2022-23**

Meerut Institute Of Technology (PC), Meerut

First Sessional Examination 2022-23

Name of the subject: Business Organisation

Name of the course: B.Com (H) 2nd Sem.

Subject code: BCM 211

Time Allowed: 1 Hr 30 Min.

Maximum Marks: 25

Section – A

(This section contains 5 questions, each carrying one mark. Answer should be very short 25-50 words.)

(1×5 = 5)

Q. No.	Question	Level of Taxonomy	Taxonomy
1	Define Business .	Understand	CO1
2	Define Organisation.	Understand	CO1
3	Define Commerce.	Understand	CO1
4	Write the full form of TNC .	Understand	CO1
5	Write the full form of LPG .	Understand	CO1

Section – B

(This section contains 3 questions, you are required to attempt any 2 questions each carrying 2.5 marks. Answer should be short 100-150 words.)

(2.5×2 = 5)

Q. No.	Question	Level of Taxonomy	Taxonomy
6	Explain Public Utilities .	Understand	CO2
7	Write a short note on Privatization .	Understand	CO1
8	Write a short note on Manufacturing sector .	Understand	CO1

Section - C

(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5 marks. Answer should be Long 200-300 words.)

(5×3=15)

Q. No.	Question	Level of Taxonomy	Taxonomy
9	Discuss the benefits and problems of globalization.	Understand	CO2
10	What is industry? Briefly explain the types of industries.	Understand	CO2
11	Distinguish between MNC & TNC.	Understand	CO1
12	Explain the impact of Privatization on Indian Economy .	Understand	CO1
13	Mention various types of Services and differentiate between product and services.	Understand	CO1

Meerut Institute of Technology (PC), Meerut

First Sessional Examination 2022-23

Name of the course: Bcom1 Sem

Subject code: C010101T

Name of the subject: BUSINESS COMMUNICATION

Time Allowed: 1<sup>1/2</sup> Hours

Maximum Marks: 25

Section – A (1x5 = 5)

(This section contains 5 questions, each carrying one mark. Answer should be brief)  
(Answer in 25-50 words)

Q.NO	QUESTION	Course Outcome
1	Define Communication	(CO 1)
2	What is Formal Communication?	(CO 1)
3	Write a short note on informal communication.	(CO 1)
4	What is feedback?	(CO 1)
5	What is Message?	(CO 1)

Section – B (2.5x2 = 5)

(This section contains 3 questions, you are required to attempt any 2 questions each carrying 2.5 marks)

(Answer in 100-150 words)

Q.NO	QUESTION	Course Outcome
6	What do you mean by "Barriers of Communication"? Explain	(CO 1)
7	How technology helps in business communication?	(CO 1)
8	What are the benefits of written communication in business environment?	(CO 1)

Section – C (5X3 = 15)

(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5 marks)

(Answer in 200-300 words)

Q.NO	QUESTION	Course Outcome
9	What do you mean by Business Communication? What is the importance of Business communication?	(CO 1)
10	What is the process of Business Communication?	(CO 1)
11	What are the qualities of good communication?	(CO 1)
12	What are the advantages and disadvantages of Oral Communication?	(CO 1)
13	What are types of communication based on Direction?	(CO 1)

Meerut Institute of Technology (PC), Meerut  
PUT Examination 2022-23

B.Com 3<sup>rd</sup> Sem.

COMPANY LAW

Subject code: C010301T

Time Allowed: 2<sup>1/2</sup> Hours

Maximum Marks: 75

**Section - A (3x5 = 15) (Answer in 50-75 words)**

*(This section contains 5 questions, each carrying 3 marks. Answer should be brief)*

Ques. No.	Question	Course Outcome
1	Define one person company	CO 2
2	What is forged transfer?	CO 3
3	What are the functions of a promoter?	CO 2
4	Briefly explain Memorandum of Association.	CO 2
5	What do you mean by the term 'Oppression' and 'Mismanagement'.	CO 4

**Section - B (7.5x2 = 15) (Answer in 150-200 words)**

*(This section contains 3 questions, you are required to attempt any 2 questions each carrying 7.5 marks)*

Ques. No.	Question	Course Outcome
6	Differentiate between share transfer and share transmission.	CO 2
7	Discuss the duties of official liquidators?	CO 4
8	What are the provisions relating to disqualifications of a Director?	CO 3

**Section - C (15X3 = 45) (Answer in 300-400 words)**

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 15 marks)*

Ques. No.	Question	Course Outcome
9	What do you mean by company? Discuss its' characteristics.	CO 2
10	Explain Doctrine of Indoor Management and Doctrine of Constructive Notice.	CO 2
11	What is members' voluntary winding-up? What are the provisions applicable to members' voluntary winding-up?	CO 4
12	Discuss in detail the various types of Meetings.	CO 3
13	Discuss the different perspectives by which the word 'Capital' can be used in company law.	CO 2

Meerut Institute of Technology (P.C), Meerut

First Sessional Examination 2022-2023

Name of the course: B.Com (H)

Subject code: BCM 212

Name of the subject: ADVANCED FINANCIAL ACCOUNTING

Time Allowed: 1<sup>1/2</sup> Hours

Maximum Marks: 25

**Section – A**

(1x5 = 5)

(This section contains 5 questions, each carrying one mark. Answer should be brief)

(Answer in 25-50 words)

Q.NO.	QUESTION	Course outcome	Taxonomy
1	What do you mean by shortworking?	CO1	Remember
2	What are the objectives of having branch accounts?	CO2	Remember
3	Mention the different accounting methods used by dependent branches.	CO2	Understand
4	Define Minimum Rent	CO1	Remember
5	Briefly explain Lease Premium	CO1	Remember

**Section – B**

(2.5x2 = 5)

(This section contains 3 questions, you are required to attempt any 2 questions each carrying 2.5marks)

(Answer in 100-150 words)

Q.NO.	QUESTION	Course outcome	Taxonomy												
6	Differentiate between Royalty and Rent.	CO1	Understand												
7	Bengal Mining Company took a mine on lease at a royalty of ₹ 10 per ton. The minimum rent was fixed at ₹ 15,000 in first year, ₹ 20,000 for second year and ₹ 25,000 per year thereafter. Any year shortworking could be recouped out of excess of royalty of next three years only. The production during the five years was as follows: <table border="1"><thead><tr><th>Year</th><th>2017-18</th><th>2018-19</th><th>2019-20</th><th>2020-21</th><th>2021-22</th></tr></thead><tbody><tr><td>Production</td><td>750</td><td>1,000</td><td>1,700</td><td>3,000</td><td>3,200</td></tr></tbody></table> Prepare the Analytical Table.	Year	2017-18	2018-19	2019-20	2020-21	2021-22	Production	750	1,000	1,700	3,000	3,200	CO1	Apply
Year	2017-18	2018-19	2019-20	2020-21	2021-22										
Production	750	1,000	1,700	3,000	3,200										
8	Discuss the items that do not appear in the Branch Account.	CO2	Remember												

**Section - C**

(5X3 = 15)

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5marks)  
(Answer in 200-300 words)*

Q.NO.	QUESTION	Course outcome	Taxonomy																																				
9	What do you mean by Royalty? Discuss its different types.	CO1	Remember																																				
10	<p>A trading firm has a retail branch, which is supplied goods from Head Office and which keeps its own sales ledger and remits all cash received to the Head Office, the branch expenses being paid by the Head Office by weekly cheques. From the following particulars prepare the Branch Account as they would appear in the books of Head Office for the six months ending 31<sup>st</sup> March, 2022:</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;"></td> <td align="center" style="width: 10%;"><b>₹('000)</b></td> <td style="width: 40%;"></td> <td align="center" style="width: 10%;"><b>₹('000)</b></td> </tr> <tr> <td>Six months credit sales</td> <td align="right">2,485</td> <td>Stock 31<sup>st</sup> March, 2022</td> <td align="right">1,280</td> </tr> <tr> <td>Cash Sales</td> <td align="right">1,460</td> <td>Goods received from Head Office</td> <td align="right">2,276</td> </tr> <tr> <td>Returns inward</td> <td align="right">30</td> <td>Bad debtors at the branch</td> <td align="right">65</td> </tr> <tr> <td>Cash received from debtors</td> <td align="right">2,387</td> <td>Wages and sundry expenses</td> <td align="right">415</td> </tr> <tr> <td>Debtors 1<sup>st</sup> Oct, 2021</td> <td align="right">1,345</td> <td>Rent, rates and taxes</td> <td align="right">402</td> </tr> <tr> <td>Stock 1<sup>st</sup> Oct, 2021</td> <td align="right">840</td> <td></td> <td></td> </tr> </table>		<b>₹('000)</b>		<b>₹('000)</b>	Six months credit sales	2,485	Stock 31 <sup>st</sup> March, 2022	1,280	Cash Sales	1,460	Goods received from Head Office	2,276	Returns inward	30	Bad debtors at the branch	65	Cash received from debtors	2,387	Wages and sundry expenses	415	Debtors 1 <sup>st</sup> Oct, 2021	1,345	Rent, rates and taxes	402	Stock 1 <sup>st</sup> Oct, 2021	840			CO2	Apply								
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11	What is meant by branch accounts? Explain the different types of branches.	CO2	Remember																																				
12	<p>On 1<sup>st</sup> April, 2017 X Co. Ltd. took a mine on lease for 10 years. Rate of royalty is ₹ 2 per ton and the minimum rent is ₹ 10,000 p.a. with a right to recoup shortworking upto payment due. On 31<sup>st</sup> March, 2022, the output was as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <tr> <td style="width: 15%;">Year</td> <td style="width: 15%;">2017-18</td> <td style="width: 15%;">2018-19</td> <td style="width: 15%;">2019-20</td> <td style="width: 15%;">2020-21</td> <td style="width: 15%;">2021-22</td> </tr> <tr> <td>Production</td> <td align="center">2,000</td> <td align="center">4,000</td> <td align="center">5,000</td> <td align="center">7,000</td> <td align="center">10,000</td> </tr> </table> <p>Prepare Royalty A/c, Shortworking A/c, Minimum Rent A/c and Landlord A/c in the books of X Co. Ltd.</p>	Year	2017-18	2018-19	2019-20	2020-21	2021-22	Production	2,000	4,000	5,000	7,000	10,000	CO1	Apply																								
Year	2017-18	2018-19	2019-20	2020-21	2021-22																																		
Production	2,000	4,000	5,000	7,000	10,000																																		
13	<p>Gupta Stores of Raipur had a branch at Bhilai Nagar. Goods are sent by the Head Office at invoice price which is at a profit of 20% on invoice price. All expenses of the branch are paid by the Head Office. From the following particulars prepare the account in the books of Head Office:</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;"></td> <td align="center" style="width: 10%;"><b>₹</b></td> <td style="width: 40%;"></td> <td align="center" style="width: 10%;"><b>₹</b></td> </tr> <tr> <td><b>Opening balances:</b></td> <td></td> <td><b>Remittances made to H.O.:</b></td> <td></td> </tr> <tr> <td>Stock (at invoice price)</td> <td align="right">11,000</td> <td>Cash sales</td> <td align="right">2,650</td> </tr> <tr> <td>Debtors</td> <td align="right">1,700</td> <td>Cash collected from debtors</td> <td align="right">21,000</td> </tr> <tr> <td>Petty cash</td> <td align="right">100</td> <td>Goods returned by branch (at invoice price)</td> <td align="right">400</td> </tr> <tr> <td>Goods supplied to branch (at invoice price)</td> <td align="right">20,000</td> <td><b>Balance at the end:</b></td> <td></td> </tr> <tr> <td><b>Expenses made by H.O.:</b></td> <td></td> <td>Stock (at invoice price)</td> <td align="right">13,000</td> </tr> <tr> <td>Rent</td> <td align="right">600</td> <td>Debtors</td> <td align="right">2,000</td> </tr> <tr> <td>Wages</td> <td align="right">200</td> <td>Petty cash</td> <td align="right">25</td> </tr> </table>		<b>₹</b>		<b>₹</b>	<b>Opening balances:</b>		<b>Remittances made to H.O.:</b>		Stock (at invoice price)	11,000	Cash sales	2,650	Debtors	1,700	Cash collected from debtors	21,000	Petty cash	100	Goods returned by branch (at invoice price)	400	Goods supplied to branch (at invoice price)	20,000	<b>Balance at the end:</b>		<b>Expenses made by H.O.:</b>		Stock (at invoice price)	13,000	Rent	600	Debtors	2,000	Wages	200	Petty cash	25	CO2	Apply
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**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
**B. Pharm. 1<sup>st</sup> Year, 1<sup>st</sup> Sem**  
 First Sessional Examination (2022-2023)  
**H.A.P (BP101T)**

**Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<u>Section-A</u>		[5X2=10 Marks]	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Explain homeostasis.	CO3	UNERSTANDING
b.	Enlist types of connective tissue.	CO3	UNERSTANDING
c.	Explain the function of Mitochondria.	CO1	UNERSTANDING
d.	Enlist the basic life processes.	CO2	UNERSTANDING
e.	Outline the example of positive feedback mechanism.	CO2	UNERSTANDING
<u>Section-B</u>		[1X10=10 Marks]	
<b>Q2.</b>	Outline the structure of cell and its functions.	CO1	UNERSTANDING
	<b>OR</b>		
	Classify tissues and their functions.		
<u>Section-C</u>		[2X5=10 Marks]	
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Illustrate the passive transport mechanism across cell membrane.	CO3	UNERSTANDING
	<b>OR</b>		
	Summarize the Mitosis process in cell division.		
b.	Explain the various body systems of human body.	CO2	UNERSTANDING
	<b>OR</b>		
	Summarize scope of anatomy and Physiology of human body.		

**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
**B. Pharm. 1<sup>st</sup> Year, 1<sup>st</sup> Sem**  
 First Sessional Examination (2022-2023)  
**H.A.P (BP101T)**

**Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<u>Section-A</u>		[5X2=10 Marks]	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Explain homeostasis.	CO3	UNERSTANDING
b.	Enlist types of connective tissue.	CO3	UNERSTANDING
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<u>Section-B</u>		[1X10=10 Marks]	
<b>Q2.</b>	Outline the structure of cell and its functions.	CO1	UNERSTANDING
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	Summarize scope of anatomy and Physiology of human body.		

**DEPARTMENT OF PHARMACY**  
**MEERUT INSTITUTE OF TECHNOLOGY**  
 Second Sessional Examination 2022-23

**B. Pharm I Sem**  
**Pharmaceutical Inorganic Chemistry [BP104T]**

**Time: 90 Minutes**

**Max. Marks: 30**

**NOTE:** Attempt *ALL* sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>[5X2=10 Marks]</b>	
<b>Note:</b> Attempt <i>ALL</i> questions.		<b>CO</b>	<b>KL</b>
1.	Classify body fluid compartments.	CO1	Understanding
2.	Contrast Hypertonic and Hypotonic solution	CO3	Understanding
3.	Summarize conjugate acid-base pair	CO5	Analyze
4.	Enlist various factors affecting pH of buffer solutions	CO5	Analyze
5.	Summarize buffer capacity and osmotic pressure.	CO5	Analyze
<b>Section-B</b>		<b>[1X10=10 Marks]</b>	
1.	Outline important functions served by chloride, sodium and calcium ions.  <div style="text-align: center;"><b>OR</b></div> Give method of preparation, properties, assay, uses and storage condition of Sodium Chloride.	CO2	Understanding
<b>Section-C</b>		<b>[2X5=10 Marks]</b>	
<b>Note:</b> Attempt <i>ALL</i> questions.		<b>CO</b>	<b>KL</b>
1.	Explain various method of adjusting isotonicity  <div style="text-align: center;"><b>OR</b></div> Explain various method for measurement of isotonicity	CO4	Apply
2.	Explain in detail about bronsted - lowry acid base theory.  <div style="text-align: center;"><b>OR</b></div> Give preparation and composition of following standard buffer solutions :- a) Hydrochloric acid buffer pH 1.3 b) Phosphate buffer pH 6.6	CO5	Analyze

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**DEPARTMENT OF PHARMACY**  
**MEERUT INSTITUTE OF TECHNOLOGY**  
 Second Sessional Examination 2022-23

**B. Pharm I Sem**  
**Pharmaceutical Inorganic Chemistry [BP104T]**

**Time: 90 Minutes**

**Max. Marks: 30**

**NOTE:** Attempt *ALL* sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>[5X2=10 Marks]</b>	
<b>Note:</b> Attempt <i>ALL</i> questions.		<b>CO</b>	<b>KL</b>
1.	Classify body fluid compartments.	CO1	Understanding
2.	Contrast Hypertonic and Hypotonic solution	CO3	Understanding
3.	Summarize conjugate acid-base pair	CO5	Analyze
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1.	Outline important functions served by chloride, sodium and calcium ions.  <div style="text-align: center;"><b>OR</b></div> Give method of preparation, properties, assay, uses and storage condition of Sodium Chloride.	CO2	Understanding
<b>Section-C</b>		<b>[2X5=10 Marks]</b>	
<b>Note:</b> Attempt <i>ALL</i> questions.		<b>CO</b>	<b>KL</b>
1.	Explain various method of adjusting isotonicity  <div style="text-align: center;"><b>OR</b></div> Explain various method for measurement of isotonicity	CO4	Apply
2.	Explain in detail about bronsted - lowry acid base theory.  <div style="text-align: center;"><b>OR</b></div> Give preparation and composition of following standard buffer solutions :- a) Hydrochloric acid buffer pH 1.3 b) Phosphate buffer pH 6.6	CO5	Analyze

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**DEPARTMENT OF PHARMACY**  
**MEERUT INSTITUTE OF TECHNOLOGY**

**Pre University Test 2022-23**  
**B. Pharm. III Sem**  
**Pharmaceutical Microbiology [BP303T]**

**Time: 3 Hours**

**Max. Marks: 75**

**NOTE:** Attempt **ALL** sections. If require any missing data; then choose suitably

**Section-A**

**[10X2=20 Marks]**

**Note:** Attempt **ALL** questions in brief.

		CO	KL
1.	Interpret between gram positive and gram negative bacteria	CO1	Understanding
2.	Show a neat labeled diagram of bacterial cell.	CO1	Understanding
3.	Illustrate the biochemical tests (IMViC)	CO1	Understanding
4.	Make the use of cell line culture	CO2	Applying
5.	Distinguish between antiseptic and disinfectants.	CO3	Analyzing
6.	Enlist various sources of contamination in sterile area.	CO4	Evaluating
7.	Explain microbial spoilage.	CO4	Evaluating
8.	Summarize gram staining technique.	CO1	Understanding
9.	Justify the role of biological sterility indicators.	CO5	Evaluating
10.	Explain mechanical sterilization with example.	CO5	Evaluating

**Section-B**

**[2X10=20 Marks]**

**Note:** Attempt **ALL** questions.

		CO	KL
1.	Demonstrate the procedure with their application, advantage & disadvantage of TEM. <b>OR</b> Explain the morphology and classification of bacteria with arrangement.	CO1	Understanding
2.	Determine the method for microbial standardization of Vitamin B12 or Streptomycin. <b>OR</b> Explain the methods of sterilization and determine the role autoclave in sterilization.	CO5	Evaluating

**Section-C**

**[5X7=35 Marks]**

**Note:** Attempt any **Two** of the following

		CO	KL
1.	Choose the suitable preservatives to preserve the pharmaceutical products.	CO2	Applying
2.	Select the applications of cell culture in pharmaceutical industry.		

3.	Identify the factors affecting microbial spoilage of pharmaceutical spoilage.		
<b>Note:</b> Attempt any <b><i>Two</i></b> of the following			
4.	Examine the factors influencing disinfection	<b>CO3</b>	<b>Analyzing</b>
5.	Classify disinfectant with their mode of action.		
6.	Explain Rideal-Walker coefficient test.		
<b>Note:</b> Attempt any <b><i>One</i></b> of the following			
7.	Measure the various air flow patterns in laminar flow cabinet.	<b>CO4</b>	<b>Evaluating</b>
8.	Explain the design of aseptic area. Choose special precautions are to be kept before designing to reduce the risk of contamination.		

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**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
 B. Pharm. 2<sup>nd</sup> Year, 3<sup>rd</sup> Sem  
 First Sessional Examination (2022-2023)  
 Pharmaceutical Engineering (BP-304T)

**Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<u>Section-A</u>		[5X2=10 Marks]	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Differentiate between Fluid Statics & Fluid Dynamics.	CO-1	Understanding
b.	Explain & Classify different types of Manometers.	CO-1	Understanding
c.	Differentiate between Attrition & Impact?	CO-2	Understanding
d.	Infer Pulverization.	CO-1	Understanding
e.	Compare the various merits & demerits of <b>Hammer-Mill</b>	CO-4	Analyze
<u>Section-B</u>		[1X10=10 Marks]	
<b>Q2.</b>	By making use of Bernoulli's Theorem drive the formula of <b>Orifice-meter</b> with the help of diagram. <b>OR</b> By making use of Bernoulli's Theorem drive the formula of <b>Pitot-tube</b> with the help of diagram.	CO-3	Apply
<u>Section-C</u>		[2X5=10 Marks]	
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Explain the various laws governing size reduction. <b>OR</b> Interpret and derive Bernoulli's equation.	CO-1	Understanding
b.	Describe the principle, construction, working and uses of <b>Ball Mill</b> . <b>OR</b> Describe the principle, construction, working and uses of <b>Fluid Energy Mill</b> .	CO-2	Understanding

**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
 B. Pharm. 2<sup>nd</sup> Year, 3<sup>rd</sup> Sem  
 First Sessional Examination (2022-2023)  
 Pharmaceutical Engineering (BP-304T)

**Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<u>Section-A</u>		[5X2=10 Marks]	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Differentiate between Fluid Statics & Fluid Dynamics.	CO-1	Understanding
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e.	Compare the various merits & demerits of <b>Hammer-Mill</b>	CO-4	Analyze
<u>Section-B</u>		[1X10=10 Marks]	
<b>Q2.</b>	By making use of Bernoulli's Theorem drive the formula of <b>Orifice-meter</b> with the help of diagram. <b>OR</b> By making use of Bernoulli's Theorem drive the formula of <b>Pitot-tube</b> with the help of diagram.	CO-3	Apply
<u>Section-C</u>		[2X5=10 Marks]	
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Explain the various laws governing size reduction. <b>OR</b> Interpret and derive Bernoulli's equation.	CO-1	Understanding
b.	Describe the principle, construction, working and uses of <b>Ball Mill</b> . <b>OR</b> Describe the principle, construction, working and uses of <b>Fluid Energy Mill</b> .	CO-2	Understanding

**Time: 90 Minutes****Total Marks: 30****NOTE:** Attempt all sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>5 × 2 = 10</b>	
<b>Note: Attempt all questions.</b>		<b>CO</b>	<b>KL</b>
1.	Explain the term of master gland.	1	Understanding
2.	Interpret the term of receptor.	1	Understanding
3.	Identify the function of thyroid gland.	3	Apply
4.	Utilize disorder of adrenal gland.	3	Apply
5.	Show the difference between bacteria and enzym	2	understanding
<b>Section-B</b>		<b>1 × 10 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Explain the term of Endocrine System.	1	Understanding
2.	classify the Nervous System.		
<b>Section-C</b>		<b>2 × 5 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Summerize the function of pineal gland.	1	understanding
2.	Demonstrate the properties of nerve fiber.		
<b>Note: Attempt any one question.</b>			
3.	Interpret the term hormones.	3	understanding
4.	Explain the term of Pituitary gland.		

**DEPARTMENT OF PHARMACY MEERUT INSTITUTE OF TECHNOLOGY****B. Pharm II Sem****First Sessional Examination 2022-23****Human Anatomy Physiology****Time: 90 Minutes****Total Marks: 30****NOTE:** Attempt all sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>5 × 2 = 10</b>	
<b>Note: Attempt all questions.</b>		<b>CO</b>	<b>KL</b>
1.	Explain the term of master gland.	1	Understanding
2.	Interpret the term of receptor.	1	Understanding
3.	Identify the function of thyroid gland.	3	Apply
4.	Utilize disorder of adrenal gland.	3	Apply
5.	Show the difference between bacteria and enzym	2	understanding
<b>Section-B</b>		<b>1 × 10 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Explain the term of Endocrine System.	1	Understanding
2.	classify the Nervous System.		
<b>Section-C</b>		<b>2 × 5 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Summerize the function of pineal gland.	1	understanding
2.	Demonstrate the properties of nerve fiber.		
<b>Note: Attempt any one question.</b>			
3.	Interpret the term hormones.	3	understanding
4.	Explain the term of Pituitary gland.		

## DEPARTMENT OF PHARMACY MEERUT INSTITUTE OF TECHNOLOGY

## B. Pharm II Sem

## First Sessional Examination 2022-23

## Pharmaceutical Organic Chemistry-I

*Time: 90 Minutes**Total Marks: 30***NOTE:** Attempt all sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>5 × 2 = 10</b>	
<b>Note: Attempt all questions.</b>		<b>CO</b>	<b>KL</b>
1.	Extend the term Organic Compounds.	1	Understanding
2.	Analyze the uses of paraffins.	5	Analyzing
3.	Identify the reactivity of alkenes.	3	Apply
4.	Outline the saytzeff's rule of orientation.	1	Understanding
5.	Summarize SP <sup>3</sup> Hybridization.	1	Understanding
<b>Section-B</b>		<b>1 × 10 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Classify organic compounds.	1	Understanding
2.	Explain E1 and E2 elimination reactions.		
<b>Section-C</b>		<b>2 × 5 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Illustrate the Mechanism of E1 reaction.	2	Understanding
2.	Explain Halogenation of alkanes.		
<b>Note: Attempt any one question.</b>			
3.	Model the SP <sup>2</sup> hybridization in alkenes.	4	Applying
4.	Model the structural isomerism in organic compounds.		

## DEPARTMENT OF PHARMACY MEERUT INSTITUTE OF TECHNOLOGY

**B. Pharm II Sem****First Sessional Examination 2022-23****Pharmaceutical Organic Chemistry-I****Time: 90 Minutes****Total Marks: 30****NOTE:** Attempt all sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>5 × 2 = 10</b>	
<b>Note: Attempt all questions.</b>		<b>CO</b>	<b>KL</b>
1.	Extend the term Organic Compounds.	1	Understanding
2.	Analyze the uses of paraffins.	5	Analyzing
3.	Identify the reactivity of alkenes.	3	Apply
4.	Outline the saytzeff's rule of orientation.	1	Understanding
5.	Summarize SP <sup>3</sup> Hybridization.	1	Understanding
<b>Section-B</b>		<b>1 × 10 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Classify organic compounds.	1	Understanding
2.	Explain E1 and E2 elimination reactions.		
<b>Section-C</b>		<b>2 × 5 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Illustrate the Mechanism of E1 reaction.	2	Understanding
2.	Explain Halogenation of alkanes.		
<b>Note: Attempt any one question.</b>			
3.	Model the SP <sup>2</sup> hybridization in alkenes.	4	Applying
4.	Model the structural isomerism in organic compounds.		

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**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
 B. Pharm. 2<sup>nd</sup> Year, 3<sup>rd</sup> Sem  
 First Sessional Examination(2022-2023)

**Pharmaceutical Organic Chemistry-II (BP301T)****Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<u>Section-A</u> [5X2=10 Marks]			
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Explain resonance structure of benzene.	CO4	Analyzing
b.	Demonstrate structure and uses of DDT.	CO1	Understanding
c.	Summarize the reaction involved in the nitration of Benzene.	CO2	Understanding
d.	Examine molecular orbital picture of benzene.	CO4	Analyzing
e.	Demonstrate the structure and uses of Saccharin.	CO1	Understanding
<u>Section-B</u> [1X10=10 Marks]			
<b>Q2.</b>	Compare effect of substituent on orientation of monosubstituted benzene compounds towards electrophilic substitution reaction. <b>OR</b> Compare effect of substituent on reactivity of monosubstituted benzene compounds towards electrophilic substitution reaction.	CO5	Analyzing
<u>Section-C</u> [2X5=10 Marks]			
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Utilize Huckel's theory for aromatic character with suitable examples. <b>OR</b> Develop the acidic character of Phenol.	CO3	Applying
b.	Explain Friedal craft acylation reaction with its limitations. <b>OR</b> Explain aromatic electrophilic substitution reactions in Benzene with respect to halogenation with mechanism.	CO2	Understanding

**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
 B. Pharm. 2<sup>nd</sup> Year, 3<sup>rd</sup> Sem  
 First Sessional Examination(2022-2023)

**Pharmaceutical Organic Chemistry-II (BP301T)****Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<u>Section-A</u> [5X2=10 Marks]			
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Explain resonance structure of benzene.	CO4	Analyzing
b.	Demonstrate structure and uses of DDT.	CO1	Understanding
c.	Summarize the reaction involved in the nitration of Benzene.	CO2	Understanding
d.	Examine molecular orbital picture of benzene.	CO4	Analyzing
e.	Demonstrate the structure and uses of Saccharin.	CO1	Understanding
<u>Section-B</u> [1X10=10 Marks]			
<b>Q2.</b>	Compare effect of substituent on orientation of monosubstituted benzene compounds towards electrophilic substitution reaction. <b>OR</b> Compare effect of substituent on reactivity of monosubstituted benzene compounds towards electrophilic substitution reaction.	CO5	Analyzing
<u>Section-C</u> [2X5=10 Marks]			
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Utilize Huckel's theory for aromatic character with suitable examples. <b>OR</b> Develop the acidic character of Phenol.	CO3	Applying
b.	Explain Friedal craft acylation reaction with its limitations. <b>OR</b> Explain aromatic electrophilic substitution reactions in Benzene with respect to halogenation with mechanism.	CO2	Understanding



**DEPARTMENT OF PHARMACY**  
**MEERUT INSTITUTE OF TECHNOLOGY**

**Pre University Test 2022-23**  
**B. Pharm. III Sem**  
**PHYSICAL PHARMACEUTICS I [BP302T]**

**Time: 3 Hours**

**Max. Marks: 75**

**NOTE:** Attempt **ALL** sections. If require any missing data; then choose suitably

**Section-A**

**[10X2=20 Marks]**

**Note:** Attempt **ALL** questions in brief.

		<b>CO</b>	<b>KL</b>
1.	Explain HLB scale with suitable chart.	CO1	Understanding
2.	Examine the method to determine the complexation.	CO5	Analyzing
3.	Explain relative humidity with respect to pharmaceuticals.	CO2	Understanding
4.	Illustrate the terms solvation and association.	CO1	Understanding
5.	Identify Solubilization.	CO4	Applying
6.	Outline the term Vapor pressure.	CO1	Understanding
7.	Summarize the term binary solution with proper example.	CO2	Understanding
8.	Illustrate surface tension and surface free energy.	CO1	Understanding
9.	Analyze the Sorensen pH scale.	CO5	Analyzing
10.	Illustrate the term real solution.	CO1	Understanding

**Section-B**

**[2X10=20 Marks]**

**Note:** Attempt **ALL** questions.

		<b>CO</b>	<b>KL</b>
1.	Explain Rault's law and its derivation with proper example. <b>OR</b> Classify complexations with suitable examples.	CO1	Understanding
2.	Build Distribution Law with its applications and limitations. <b>OR</b> Develop Diffusion law with its applications and limitations.	CO3	Understanding

**Section-C****[5X7=35 Marks]**

<b>Note:</b> Attempt any <b><i>Two</i></b> of the following		<b>CO</b>	<b>KL</b>
1.	Examine the different method to determine the surface and interfacial tension	CO5	Analyzing
2.	Analyze the optical activity and dipole moment.		
3.	Discover the method that are used to adjust pH and tonicity.		
<b>Note:</b> Attempt any <b><i>Two</i></b> of the following			
4.	Explain Sublimation critical point.	CO2	Understanding
5.	Outline the solubility of liquid in liquid.		
6.	Classify Surface active agents and its applications.		
<b>Note:</b> Attempt any <b><i>One</i></b> of the following			
7.	Construct the method for ideal solubility parameter.	CO4	Applying
8.	Develop the quantitative approach to factor influencing the solubility of drugs.		

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**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
 B. Pharm. 3<sup>rd</sup> Year, 5<sup>th</sup> Sem  
 First Sessional Examination (2022-2023)  
 Pharmacology II (BP503T)

**Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<b>Section-A</b>		<b>[5X2=10 Marks]</b>	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Enlist three examples of $\beta$ - blockers drugs.	CO3	Understanding
b.	Explain the causes of Angina pectoris.	CO3	Understanding
c.	Outline the stages of hypertension.	CO1	Understanding
d.	Enlist various parts of the heart	CO1	Understanding
e.	Illustrate Hemodynamics	CO1	Understanding
<b>Section-B</b>		<b>[1X10=10 Marks]</b>	
<b>Q2.</b>	Inspect the mechanism of action of drugs used in the treatment of anti-arrythmia. <b>OR</b> Inspect the mechanism of action of drugs used in the treatment of anti-hypertension.	CO5	Analyze
<b>Section-C</b>		<b>[2X5=10 Marks]</b>	
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Classify Antihyperlipidemic drugs. <b>OR</b> Classify Antianginal drugs.	CO3	Understanding
b.	Outline the risk factors, causes, sign and symptoms of congestive heart failure. <b>OR</b> Summarize hypertension and its risk factors, causes, sign and symptoms	CO3	Understanding

**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
 B. Pharm. 3<sup>rd</sup> Year, 5<sup>th</sup> Sem  
 First Sessional Examination (2022-2023)  
 Pharmacology II (BP503T)

**Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<b>Section-A</b>		<b>[5X2=10 Marks]</b>	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Enlist three examples of $\beta$ - blockers drugs.	CO3	Understanding
b.	Explain the causes of Angina pectoris.	CO3	Understanding
c.	Outline the stages of hypertension.	CO1	Understanding
d.	Enlist various parts of the heart	CO1	Understanding
e.	Illustrate Hemodynamics	CO1	Understanding
<b>Section-B</b>		<b>[1X10=10 Marks]</b>	
<b>Q2.</b>	Inspect the mechanism of action of drugs used in the treatment of anti-arrythmia. <b>OR</b> Inspect the mechanism of action of drugs used in the treatment of anti-hypertension.	CO5	Analyze
<b>Section-C</b>		<b>[2X5=10 Marks]</b>	
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Classify Antihyperlipidemic drugs. <b>OR</b> Classify Antianginal drugs.	CO3	Understanding
b.	Outline the risk factors, causes, sign and symptoms of congestive heart failure. <b>OR</b> Summarize hypertension and its risk factors, causes, sign and symptoms	CO3	Understanding

**DEPARTMENT OF PHARMACY**  
**MEERUT INSTITUTE OF TECHNOLOGY**

**Pre University Test 2022-23**  
**B. Pharm. VI Sem**  
**MEDICINAL CHEMISTRY – III [BP601T]**

**Time: 3 Hours**

**Max. Marks: 75**

**NOTE:** Attempt *ALL* sections. If require any missing data; then choose suitably

**Section-A**

**[10X2=20 Marks]**

**Note:** Attempt *ALL* questions in brief.

		CO	KL
1.	Show the structure of chloroquine	2	Understanding
2.	Classify the Beta- lactamase inhibitors with examples	4	Understanding
3.	Show the applications of prodrugs	2	Understanding
4.	List the agents used in primary and secondary drug therapy of tuberculosis.	4	Understanding
5.	Show the structure of isoniazid and para-amino salicylic acid	2	Understanding
6.	Show the two anti-fungal agents with structure	2	Understanding
7.	Show the two anti-protozoal agents with structure	2	Understanding
8.	Mark the name of different parameters related to the physiochemical properties	5	Understanding
9.	Explain the term QSAR.	5	Understanding
10.	Show the structure of two urinary tract anti-infective agents.	2	Understanding

**Section-B**

**[2X10=20 Marks]**

**Note:** Attempt *ALL* questions.

		CO	KL
1.	Classify antiviral agents with suitable examples and give their structures. <b>OR</b> Classify antifungal agents with suitable examples and give their structures.	4	Analyzing
2.	Explain the SAR on Tetracycline <b>OR</b> Explain the degradation and SAR of penicillin.	5	Evaluating

**Section-C****[5X7=35 Marks]**

<b>Note:</b> Attempt any <b><i>Two</i></b> of the following		<b>CO</b>	<b>KL</b>
1.	Classify anti Protozoal Agents with suitable examples and give their structures.	4	Analyzing
2.	Classify Urinary tract anti-infective agents with suitable examples and give their structures.		
3.	Classify Sulphonamides and Sulfones with suitable examples and give their structures.		
<b>Note:</b> Attempt any <b><i>Two</i></b> of the following			
4.	Explain the Physicochemical parameters used in quantitative structure activity relationship (QSAR)	5	Evaluating
5.	Explain Concept and applications of combinatorial chemistry		
6.	Explain different types of prodrugs and formation of prodrug.		
<b>Note:</b> Attempt any <b><i>One</i></b> of the following			
7.	Plan the synthesis of any two from Isoniazid, Para amino salicylic acid, Miconazole, Ciprofloxacin.	3	Applying
8.	Plan the synthesis of any two from Metronidazole, Acyclovir, Chloroquine, Nitrofurantoin.		

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**Time: 90 Minutes****Total Marks: 30****NOTE:** Attempt all sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>5 × 2 = 10</b>	
<b>Note: Attempt all questions.</b>		<b>CO</b>	<b>KL</b>
1.	Classify the H1 and H2 receptor?	1	Understanding
2.	Explain the role of aggressive factor and defensive factor in in peptic ulcer.	1	Understanding
3.	Identify the Biotics and Abiotics	3	Apply
4.	Explain the term of therapeutic effects of emetics and antiemetics	3	Understanding
5.	Make use of uses purgative and laxative	3	Apply
<b>Section-B</b>		<b>1 × 10 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Explain the term of general principle of chemotherapy.explain sulfonamides.	1	Understanding
2.	Summarize any one Antibiotics drug .		
<b>Section-C</b>		<b>2 × 5 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Identify the term Chemotherapy?	3	Applying
2.	Identify the term Antiulcer agents.		
<b>Note: Attempt any one question.</b>			
3.	Explain the Chloramphenicol.	2	Understanding
4.	Summarize the term carminatives and digestants.		

**DEPARTMENT OF PHARMACY MEERUT INSTITUTE OF TECHNOLOGY****B. Pharm VI Sem****Second Sessional Examination 2022-23****Pharmacology****Time: 90 Minutes****Total Marks: 30****NOTE:** Attempt all sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>5 × 2 = 10</b>	
<b>Note: Attempt all questions.</b>		<b>CO</b>	<b>KL</b>
1.	Classify the H1 and H2 receptor?	1	Understanding
2.	Explain the role of aggressive factor and defensive factor in in peptic ulcer.	1	Understanding
3.	Identify the Biotics and Abiotics	3	Apply
4.	Explain the term of therapeutic effects of emetics and antiemetics	3	Understanding
5.	Make use of uses purgative and laxative	3	Apply
<b>Section-B</b>		<b>1 × 10 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Explain the term of general principle of chemotherapy.explain sulfonamides.	1	Understanding
2.	Summarize any one Antibiotics drug .		
<b>Section-C</b>		<b>2 × 5 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Identify the term Chemotherapy?	3	Applying
2.	Identify the term Antiulcer agents.		
<b>Note: Attempt any one question.</b>			
3.	Explain the Chloramphenicol.	2	Understanding
4.	Summarize the term carminatives and digestants.		

## DEPARTMENT OF PHARMACY MEERUT INSTITUTE OF TECHNOLOGY

## B. Pharm VI Sem

## Second Sessional Examination 2022-23

## Herbal Drug Technology

*Time: 90 Minutes**Total Marks: 30***NOTE:** Attempt all sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>5 × 2 = 10</b>	
<b>Note: Attempt all questions.</b>		<b>CO</b>	<b>KL</b>
1.	List the herbs used as colorants in cosmetics preparations.	1	Understanding
2.	Show the example of two natural sweeteners and give their biological source.	1	Understanding
3.	Show the example of two natural flavoring agents and give their biological source.	3	Understanding
4.	Outline the significance of Phytosomes.	3	Understanding
5.	Show the examples of herbal excipients used as binders.	3	Understanding
<b>Section-B</b>		<b>1 × 10 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Explain the preparation and evaluation parameters of herbal tablets.	1	Understanding
2.	Explain the preparation and evaluation parameters of herbal syrups.		
<b>Section-C</b>		<b>2 × 5 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Make use of nutraceuticals in Diabetes.	4	Applying
2.	Utilize various examples for herbs- drugs interactions.		
<b>Note: Attempt any one question.</b>			
3.	Classify herbal excipients used in cosmetics preparation.	5	Analyzing
4.	Analyze the health benefits and role of nutraceuticals in CVS diseases.		

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**DEPARTMENT OF PHARMACY MEERUT INSTITUTE OF TECHNOLOGY**  
**B. Pharm VI Sem**  
**Second Sessional Examination 2022-23**  
**Herbal Drug Technology**

**Time: 90 Minutes****Total Marks: 30****NOTE:** Attempt all sections. If require any missing data; then choose suitably

<b>Section-A</b>		<b>5 × 2 = 10</b>	
<b>Note: Attempt all questions.</b>		<b>CO</b>	<b>KL</b>
1.	List the herbs used as colorants in cosmetics preparations.	1	Understanding
2.	Show the example of two natural sweeteners and give their biological source.	1	Understanding
3.	Show the example of two natural flavoring agents and give their biological source.	3	Understanding
4.	Outline the significance of Phytosomes.	3	Understanding
5.	Explain examples of herbal excipients used as binders.	3	Understanding
<b>Section-B</b>		<b>1 × 10 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Explain the preparation and evaluation parameters of herbal tablets.	1	Evaluation
2.	Explain the preparation and evaluation parameters of herbal syrups.		
<b>Section-C</b>		<b>2 × 5 = 10</b>	
<b>Note: Attempt any one question.</b>			
1.	Make use of nutraceuticals in Diabetes.	4	Applying
2.	Utilize various examples for herbs- drugs interactions.		
<b>Note: Attempt any one question.</b>			
3.	Classify herbal excipients used in cosmetics preparation.	5	Analyzing
4.	Analyze the health benefits and role of nutraceuticals in CVS diseases.		

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**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
B. Pharm. 4<sup>th</sup> Year, 7<sup>th</sup> Sem

Second Sessional Examination (2022-2023)

**Novel Drug Delivery Systems (NDDS) (BP704T)****Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<b>Section-A</b>		<b>[5X2=10 Marks]</b>	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Outline the advantages of implantable DDS.	CO-1	UNDERSTANDING
b.	Give the importance of mucoadhesive DDS.	CO-4	APPLYING
c.	Give applications of hydrodynamic pressure-activated DDS.	CO-4	APPLYING
d.	Outline the factors which are considered in the formulation development of nasal DDS.	CO-1	UNDERSTANDING
e.	Give the advantages of microencapsulation.	CO-4	APPLYING
<b>Section-B</b>		<b>[1X10=10 Marks]</b>	
<b>Q2.</b>	Explain various formulation approaches in the development of a transdermal drug delivery system (TDDS).	CO-5	EVALUATING
	OR Explain the implantable drug delivery system with special emphasis on osmotic pump (OROS system).		
<b>Section-C</b>		<b>[2X5=10 Marks]</b>	
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Compare microparticles, microspheres, and microcapsules.	CO-3	ANALYZING
	OR Compare floating, high-density, and inflatable type of gastro-retentive drug delivery system		
b.	Identify various intraocular barriers, with the help of a neat and well-labeled diagram.	CO-2	UNDERSTANDING
	OR Explain the working principle and construction of metered dose inhaler with the help of a neat and well-labeled diagram.		

**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
B. Pharm. 4<sup>th</sup> Year, 7<sup>th</sup> Sem

Second Sessional Examination (2022-2023)

**Novel Drug Delivery Systems (NDDS) (BP704T)****Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<b>Section-A</b>		<b>[5X2=10 Marks]</b>	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Outline the advantages of implantable DDS.	CO-1	UNDERSTANDING
b.	Give the importance of mucoadhesive DDS.	CO-4	APPLYING
c.	Give applications of hydrodynamic pressure-activated DDS.	CO-4	APPLYING
d.	Outline the factors which are considered in the formulation development of nasal DDS.	CO-1	UNDERSTANDING
e.	Give the advantages of microencapsulation.	CO-4	APPLYING
<b>Section-B</b>		<b>[1X10=10 Marks]</b>	
<b>Q2.</b>	Explain various formulation approaches in the development of a transdermal drug delivery system (TDDS).	CO-5	EVALUATING
	OR Explain the implantable drug delivery system with special emphasis on osmotic pump (OROS system).		
<b>Section-C</b>		<b>[2X5=10 Marks]</b>	
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Compare microparticles, microspheres, and microcapsules.	CO-3	ANALYZING
	OR Compare floating, high-density, and inflatable type of gastro-retentive drug delivery system		
b.	Identify various intraocular barriers, with the help of a neat and well-labeled diagram.	CO-2	UNDERSTANDING
	OR Explain the working principle and construction of metered dose inhaler with the help of a neat and well-labeled diagram.		



# MEERUT INSTITUTE OF TECHNOLOGY

Department of Pharmacy  
B. Pharm. 4<sup>th</sup> Year, 8<sup>th</sup> Sem  
First Sessional Examination (2022-2023)

## Biostatistics and Research Methodology (BP801T)

Time: 90 Minutes

Max. Marks: 30

**NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<u>Section-A</u>							[5X2=10 Marks]			
<b>Q1.</b>	Attempt <i>ALL</i> questions.					<b>CO</b>	<b>KL</b>			
a.	Outline the term 'biostatistics'.					CO-1		UNDERSTANDING		
b.	Identify the four main components of statistics.					CO-2		APPLYING		
c.	Explain the term statistics.					CO-1		APPLYING		
d.	Illustrate the frequency distribution.					CO-1		UNDERSTANDING		
e.	Summarize the term 'central tendency'.					CO-2		APPLYING		
<u>Section-B</u>							[1X10=10 Marks]			
<b>Q2.</b>	Evaluate the correlation using Karl Pearson method					CO-4		EVALUATING		
	Tablet weight (mg)	250	400	550	800					950
	Tablet strength (Kg)	1.9	2.5	3.2	4.0					5
<b>OR</b>										
Classify the central tendency, with suitable examples.										
<u>Section-C</u>							[2X5=10 Marks]			
<b>Q3.</b>	Attempt <i>ALL</i> questions.									
a.	Blood sugar levels of a patient in different time periods of a day are in 162,175, 125, 90, 80, 140, 151, 120, 200, 171 mg/dL of blood. Calculate the arithmetic mean.					CO-5		APPLYING		
<b>OR</b>										
Heights of 10 students are in cm 164,175, 159, 168, 178, 168, 163, 164, 168, 171. Identify the mode.										
b.	Analyze the utilization of various measures of dispersion in biostatistics.					CO-3		ANALYZING		
<b>OR</b>										
Analyze the role of probability in the design of experiment										

# MEERUT INSTITUTE OF TECHNOLOGY

Department of Pharmacy  
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First Sessional Examination (2022-2023)

## Biostatistics and Research Methodology (BP801T)

Time: 90 Minutes

Max. Marks: 30

**NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<u>Section-A</u>							[5X2=10 Marks]			
<b>Q1.</b>	Attempt <i>ALL</i> questions.					<b>CO</b>	<b>KL</b>			
a.	Outline the term 'biostatistics'.					CO-1		UNDERSTANDING		
b.	Identify the four main components of statistics.					CO-2		APPLYING		
c.	Explain the term statistics.					CO-1		APPLYING		
d.	Illustrate the frequency distribution.					CO-1		UNDERSTANDING		
e.	Summarize the term 'central tendency'.					CO-2		APPLYING		
<u>Section-B</u>							[1X10=10 Marks]			
<b>Q2.</b>	Evaluate the correlation using Karl Pearson method					CO-4		EVALUATING		
	Tablet weight (mg)	250	400	550	800					950
	Tablet strength (Kg)	1.9	2.5	3.2	4.0					5
<b>OR</b>										
Classify the central tendency, with suitable examples.										
<u>Section-C</u>							[2X5=10 Marks]			
<b>Q3.</b>	Attempt <i>ALL</i> questions.									
a.	Blood sugar levels of a patient in different time periods of a day are in 162,175, 125, 90, 80, 140, 151, 120, 200, 171 mg/dL of blood. Calculate the arithmetic mean.					CO-5		APPLYING		
<b>OR</b>										
Heights of 10 students are in cm 164,175, 159, 168, 178, 168, 163, 164, 168, 171. Identify the mode.										
b.	Analyze the utilization of various measures of dispersion in biostatistics.					CO-3		ANALYZING		
<b>OR</b>										
Analyze the role of probability in the design of experiment										

**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
 B. Pharm. 4<sup>th</sup> Year, 8<sup>th</sup> Sem  
 Second Sessional Examination (2022-2023)  
 Social and Preventive Pharmacy (BP802T)

**Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<b>Section-A</b>		<b>[5X2=10 Marks]</b>	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Outline the term 'HIV' and AIDS.	CO-1	UNDERSTANDING
b.	Interpret the importance of Pulse polio programme.	CO-2	APPLYING
c.	Explain the types of disease prevention.	CO-1	APPLYING
d.	Illustrate the purpose of National Health programme.	CO-1	UNDERSTANDING
e.	Summarize the term 'Chronic Alcoholism'.	CO-2	APPLYING
<b>Section-B</b>		<b>[1X10=10 Marks]</b>	
<b>Q2.</b>	Identify specific diagnostic test and prevention for Influenza. <b>OR</b> Classify the types of disease Prevention.	CO-4	UNDERSTANDING
<b>Section-C</b>		<b>[2X5=10 Marks]</b>	
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Explain in detail about objective, functioning, and outcomes of National Mental Health Programme. <b>OR</b> Interpret the TB Co-Morbidities.	CO-5	UNDERSTANDING
b.	Explain in detail objectives, functioning, and outcomes of Universal Immunization Programme. <b>OR</b> Identify the role of social pharmacist in public health.	CO-3	UNDERSTANDING

**MEERUT INSTITUTE OF TECHNOLOGY**

Department of Pharmacy  
 B. Pharm. 4<sup>th</sup> Year, 8<sup>th</sup> Sem  
 Second Sessional Examination (2022-2023)  
 Social and Preventive Pharmacy (BP802T)

**Time: 90 Minutes****Max. Marks: 30****NOTE:** Attempt *ALL* sections.

If require any missing data; then choose suitably

<b>Section-A</b>		<b>[5X2=10 Marks]</b>	
<b>Q1.</b>	Attempt <i>ALL</i> questions.	<b>CO</b>	<b>KL</b>
a.	Outline the term 'HIV' and AIDS.	CO-1	UNDERSTANDING
b.	Interpret the importance of Pulse polio programme.	CO-2	APPLYING
c.	Explain the types of disease prevention.	CO-1	APPLYING
d.	Illustrate the purpose of National Health programme.	CO-1	UNDERSTANDING
e.	Summarize the term 'Chronic Alcoholism'.	CO-2	APPLYING
<b>Section-B</b>		<b>[1X10=10 Marks]</b>	
<b>Q2.</b>	Identify specific diagnostic test and prevention for Influenza. <b>OR</b> Classify the types of disease Prevention.	CO-4	UNDERSTANDING
<b>Section-C</b>		<b>[2X5=10 Marks]</b>	
<b>Q3.</b>	Attempt <i>ALL</i> questions.		
a.	Explain in detail about objective, functioning, and outcomes of National Mental Health Programme. <b>OR</b> Interpret the TB Co-Morbidities.	CO-5	UNDERSTANDING
b.	Explain in detail objectives, functioning, and outcomes of Universal Immunization Programme. <b>OR</b> Identify the role of social pharmacist in public health.	CO-3	UNDERSTANDING

**292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT**  
**Second Sessional Examination, Session 2022-23**  
**B.Tech.- III Sem (ME)**  
**Thermodynamics (KME- 301)**

Max. Marks: 30

Time: 01:30 Hrs

Note: Attempt all Sections (All Questions).

**Section A**

Attempt ALL Questions, each question carry ONE Mark.

[1\*8=8]

Q.No	Question	CO
Q No.1	What do you mean by reversible process?	CO1
Q No.2	Define specific and latent heat.	CO1
Q No.3	What do you mean by dryness fraction?	CO1
Q No.4	Differentiate between intensive and extensive properties.	CO1
Q No.5	State Clausius statement of second law of thermodynamics.	CO1
Q No.6	Define the quasi static process?	CO1
Q No.7	What is the concept of entropy?	CO1
Q No.8	Define principle of entropy increase.	CO1

**Section B**

Attempt ALL Questions each question carry THREE Marks.

[3\*4=12]

Q.No	Question	CO
Q No.1	Show that the Kelvin-Planck and the Clausius statement of the second law of thermodynamics are equivalent.	CO1
Q No.2	Two kg of water at 80°C are mixed adiabatically with 3 kg of water at 30°C in a constant pressure process of 1 atmosphere. Find the increase in the entropy of the total mass of water due to the mixing process ( $c_p$ of water = 4.187 kJ/kg K).	CO2
Q No.3	The pressure- volume correlation for a non-flow reversible process is given by $P = (8-4V)$ bar, where $V$ is in $m^3$ . If 150 kJ of work is supplied to the system, determine the final pressure and volume of the system. Take initial volume = 0.6 $m^3$ .	CO2
Q No.4	Derive Steady Flow Energy Equation (S.F.E.E.). Also write the steady flow energy equation for heat exchanger, nozzle, turbine, pump and boiler with suitable assumptions.	CO1

**Section C**

Attempt ALL Questions each question carry FIVE Marks.

[5\*2=10]

Q. No	Question	CO
Q No.1	Steam at 20 bar 360° C is expanded in a steam turbine to 0.08 bar. It then enters a condenser, where it is condensed to a saturated liquid water. The pump feeds back the water in to the boiler, Assuming ideal processes, find the per kg of steams of the network and the cycle efficiency .	CO2
Q No.2	Two reversible heat engines 'A' and 'B' are arranged in series, engine 'A' rejecting heat directly to engine 'B'. Engine 'A' receives 200 kJ at a temperature of 421°C from a hot source, while engine 'B' is in communication with a cold sink at a temperature of 4.4°C. If the work output of 'A' is twice that of 'B', find (i) The intermediate temperature between engine 'A' and engine 'B' (ii) The efficiency of each engine , (iii) The heat rejected to the cold sink.	CO2

**292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT**  
**Pre University Examination, Session 2022-23**  
**B.Tech.- III Sem (ME)**  
**Thermodynamics (KME- 301)**

Max. Marks: 100

Time: 2:30 Hrs

**Section A**

1. Attempt *all* questions in brief.

[2\*10=20]

Q.No.	Question	CO
a.	What is quasi static process?	CO1
b.	Define a Joule-Thomson coefficient.	CO1
c.	Discuss the triple point and critical point.	CO1
d.	What do you mean by available and unavailable energy?	CO1
e.	Explain what you understand by thermodynamic equilibrium.	CO1
f.	What do you understand by Sensible heat and Latent heat of vaporization?	CO1
g.	What is Bell Coleman cycle?	CO1
h.	Define: Dryness fraction of steam.	CO1
i.	What do you mean by C.O.P.	CO1
j.	What is the refrigeration effect?	CO1

**Section B**

2. Attempt any *three* of the following:

[10\*3=30]

Q.No.	Question	CO
a.	A nozzle is a device for increasing the velocity of a steadily flowing stream. At the inlet to a certain nozzle, the enthalpy of the fluid passing is 3000 kJ/kg and the velocity is 60 m/s. At the discharge end, the enthalpy is 2762 kJ/kg. The nozzle is horizontal and there is negligible heat loss from it. (i) Find the velocity at exists from the nozzle. (ii) If the inlet area is 0.1 m <sup>2</sup> and the specific volume at inlet is 0.187 m <sup>3</sup> /kg, find the mass flow rate.	CO2
b.	A heat pump working on the Carnot cycle takes in heat from a reservoir at 5°C and delivers heat to a reservoir at 60°C. The heat pump is driven by a reversible heat engine which takes in heat from a reservoir at 840°C and rejects heat to a reservoir at 60°C. The reversible heat engine also drives a machine that absorbs 30 kW. If the heat pump extracts 17 kJ/s from the 5°C reservoir, determine (i) The rate of heat supply from the 840°C source (ii) The rate of heat rejection to the 60°C sink.	CO2
c.	A refrigerator working on Bell Coleman cycle operates between pressure limits of 1.05 bar and 8.5 bar. Air is drawn from the cold chamber at 10 °C, Air coming out compressor is cooled to 30 °C before entering the expansion cylinder. Expansion and compression follow the $pv^{1.35} = \text{constant}$ . Determine C.O.P of the system.	CO2
d.	Draw a neat diagram of lithium bromide water absorption system and explain its working.	CO1
e.	Define and explain:- (i) Dry bulb temperature (DBT), wet bulb temperature (WBT) and Dew point temperature (DPT). (ii) Relative and specific humidity.	CO1

**Section C**

3. Attempt any *one* part of the following:

[10\*1=10]

Q.No.	Question	CO
a.	Derive steady flow energy equation (S.F.E.E.). Write the steady flow energy equation for heat exchanger, nozzle, turbine, pump and boiler.	CO1
b.	The internal energy of a certain substance is given by the following equation $u=3.56 pv + 84$ , where $u$ is given in KJ/Kg, $P$ is in KPa and $v$ is in $m^3/kg$ A system composed of 3 kg of this substance expands from an initial pressure of 500 KPa and a volume of $0.22 m^3$ to a final pressure 100 KPa in a process in which pressure and volume are related by $PV^{1.2} = \text{Constant}$ . If the expansion is quasi static find $Q, \Delta U$ and $W$ for the process.	CO2

4. Attempt any *one* part of the following:

[10\*1=10]

Q.No.	Question	CO
a.	Two reversible heat engines 'A' and 'B' are arranged in series, engine 'A' rejecting heat directly to engine 'B'. Engine 'A' receives 200 kJ at a temperature of $421^\circ C$ from a hot source, while engine 'B' is in communication with a cold sink at a temperature of $4.4^\circ C$ . If the work output of 'A' is twice that of 'B', find (i) The intermediate temperature between engine 'A' and engine 'B' (ii) The efficiency of each engine (iii) The heat rejected to the cold sink	CO2
b.	What are limitations of the first law of thermodynamics? Discuss the statements of the second law of thermodynamics. Show that both the statements are equivalent.	CO2

5. Attempt any *one* part of the following:

[10\*1=10]

Q.No.	Question	CO
a.	State the Clapeyron equation and discuss its importance during phase change of Pure substance. Derive the Clapeyron equation for evaporation of liquids	CO1
b.	Derive first and second Tds equations also derive the expression for the differences heat capacities $C_p$ & $C_v$ .	CO1

6. Attempt any *one* part of the following:

[10\*1=10]

Q.No.	Question	CO
a.	Steam at 20 bar $360^\circ C$ is expanded in a steam turbine to 0.08 bar. It then enters a condenser, where it is condensed to a saturated liquid water. The pump feeds back the water in to the boiler (i) Assuming ideal processes, find the per kg of steams of the network and the cycle efficiency (ii) If the turbine and the pump have each 80% efficiency, find the percentage reduction in the network and cycle efficiency.	CO3
b.	For a sample of air having $22^\circ$ DBT, relative humidity 30 % at barometric pressure of 760mm of Hg calculate (i) Vapour pressure (ii) Humidity ratio. (iii) Vapour density and (iv) Enthalpy.	CO3

7. Attempt any *one* part of the following:

[10\*1=10]

Q.No.	Question	CO
a.	Explain the vapour compression refrigeration cycle and find out its C.O.P. with the help of T-S, p-h and flow diagram	CO2
b.	Explain Simple Rankine Cycle with neat sketch on p-V and T-S diagram.	CO1



**292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT**  
**First Sessional Examination, Session 2022-23**  
**B.Tech.- III Sem (ME)**  
**Fluid Mechanics and Fluid Machines - KME(302)**

Max. Marks: 30

Time: 01:30 Hrs

Note: Attempt all Sections (All Questions).

**Section A**

Attempt **ALL** Questions, each question carry **ONE** Mark.

**[1\*8=8]**

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
Q No.1	Define viscosity and give its unit.	1
Q No.2	Define compressibility. How it is related to bulk modulus?	1
Q No.3	Distinguish between Steady flow and unsteady flow.	2
Q No.4	One litre of crude oil weighs 9.6 N. Calculate its specific weight, density?	1
Q No.5	Difference between compressible and Incompressible flow?	2
Q No.6	Define an Bend meter.	1
Q No.7	What is meant by Discharge(Q)?	2
Q No.8	State the assumptions of Bernoulli's Equation and also write its equation.	1

**Section B**

Attempt **ALL** Questions each question carry **THREE** Marks.

**[3\*4=12]**

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
Q No.1	What is venturimeter? Derive an expression for the discharge through a venturimeter.	2
Q No.2	Find out the minimum size of glass tube that can be used to measure water level if the capillary rise in the tube is to be restricted to 2mm. Consider surface tension of water in contact with air as 0.073575 N/m.	1
Q No.3	A Newtonian fluid is filled in the clearance between a shaft and a concentric sleeve. The sleeve attains a speed a 50 cm/s, when a force of 40 N is applied to the sleeve parallel to the shaft. Determine the speed if a force of 200 N is applied.	1
Q No.4	Define Surface Tension. Prove that the relationship between surface tension and pressure inside a droplet of liquid in excess of outside pressure.	1

**Section C**

Attempt **ALL** Questions each question carry **FIVE** Marks.

**[5\*2=10]**

<u>Q. No</u>	<u>Question</u>	<u>CO</u>
Q No.1	State the momentum equation. How will you apply momentum equation for determining the force exerted by a flowing liquid on a pipe bend.	1

**292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT**  
**Second Sessional Examination, Session 2022-23**  
**B.Tech.- III Sem (ME)**  
**Fluid Mechanics and Fluid Machines - KME(302)**

Max. Marks: 30

Time: 01:30 Hrs

Note: Attempt all Sections (All Questions).

**Section A**

Attempt ALL Questions, each question carry ONE Mark. [1\*8=8]

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
Q No.1	Define froude number and weber number ?	2
Q No.2	2 litre of petrol weighs 14 N: Calculate the specific weight; density, specific volume and specific gravity of petrol with respect to water.	1
Q No.3	What do you mean by Equipotential line.?	2
Q No.4	How will you classify the turbines.?	4
Q No.5	Difference between compressible and In-compressible flow?	2
Q No.6	Find the force exerted by a jet a water of dia. 75 mm on a stationary flat plate when the jet strikes the plate normally with velocity of 20m/sec?	4
Q No.7	Find the term 'Unit power', 'Unit speed', and 'Unit discharge' with reference to a hydraulic turbine.	4
Q No.8	State the assumptions of Bernoulli's Equation and also write its equation.	1

**Section B**

Attempt ALL Questions each question carry THREE Marks. [3\*4=12]

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
Q No.1	With the help of neat sketch explain the working of francis turbine?	4
Q No.2	What do you mean by gross head, net head of turbine? Explain the different types of the efficiency of a turbine.	4
Q No.3	The velocity component in a 2-D incompressible flow fluid are expressed as $u = (y^3/3) + 2x - x^2y$ , $v = xy^2 - 2y - x^3/3$ , Determine i) the velocity and acceleration point (1,3) ii) if the flow physically possible?	2
Q No.4	Define the equation of continuity. Obtain an expression for continuity equation for a 3-D flow?	2

**Section C**

Attempt ALL Questions each question carry FIVE Marks. [5\*2=10]

<u>Q. No</u>	<u>Question</u>	<u>CO</u>
Q No.1	The pressure difference $\Delta P$ in a pipe of dia. D and length L due to viscous flow depends on the velocity V, viscosity $\mu$ and density $\rho$ using buckingham $\Pi$ -therom obtain on expression for $\Delta P$	2
Q No.2	A Pelton turbine running at 720 rpm uses 300 kg of water per second. If the head available is 425 m determine the hydraulic efficiency. The bucket deflect the jet by 165. Also find the diameter of the runner and jet. Assume Kv 0.97 and speed ratio 0.46, Blade velocity coefficient is K 0.9	4

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

B. Tech – IIIrd ‘Semester (ME), Pre-University Test

Session: 2022– 2023

Fluid Mechanics and Fluid Machines

Paper Code: KME 302

Time: 2.5 hours

Max Marks: 100

## Section A

Q.1 Attempt ALL parts.

(10X 2= 20)

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	Define compressibility. How it is related to bulk modulus?	Remember	1
b.	Find the surface tension in a soap bubble of 40 mm diameter when the inside pressure is 2.5 N/m <sup>2</sup> above atmospheric pressure.	Understand	1
c.	State the assumptions of Bernoulli’s Equation and also write its equation.	Remember	2
d.	What do you understand by Euler’s number and froude number ?	Remember	2
e.	What is Water Hammering?	Remember	3
f.	A square flat plate of dimension 1.5 m moves at 50 km/hr in stationary air of density 1.15 kg/m <sup>3</sup> . If the coefficient of drag and lift are 0.15 and 0.75 respectively, determine the lift and drag force.	Understand	3
g.	Find the term ‘Unit power’, ‘Unit speed’, and ‘Unit discharge’ with reference to a hydraulic turbine.	Remember	4
h.	Find the force exerted by a jet of water of diameter 75 mm on a stationary flat plate, when the jet strikes the plate normally with a velocity of 20 m/s.	Understand	4
i.	Define slip, percentage slip and negative slip of a reciprocating pump.	Remember	5
j.	Explain the ideal indicator diagram of reciprocating pump ?	Remember	5

## Section B

Q.2 Attempt Any three Questions

(3X 10= 30)

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	An orifice meter with orifice diameter 15 cm is inserted in a pipe of 30 cm diameter. The pressure gauges fitted upstream and downstream of the orifice meter gives reading of 14.715 N/cm <sup>2</sup> and 9.81 N/cm <sup>2</sup> respectively. Co-efficient of discharge for the orifice meter is given as 0.6. Find the discharge (volume flow rate) of the water through the pipe. Take the density of water as 1000 kg/m <sup>3</sup> .	Understand	1
b.	Define the equation of continuity. Obtain an expression for continuity equation for a 3-D flow?	Remember	2
c.	Determine the displacement thickness, momentum thickness, shape factor and energy thickness of the following velocity profiles in the boundary layer on a flat plate. $u/U_0 = (y/\delta)^{1/7}$ where $u$ is the velocity at a height $y$ above the surface and $U_0$ is the free stream velocity.	Understand	3
d.	With the help of neat sketch explain the working of kaplan turbine.	Remember	4

e	What do you mean by manometric efficiency, mechanical efficiency and overall efficiency of a centrifugal pump?	Remember	5
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### Section C

**Q.3 Attempt any ONE parts.**

**(1X10= 10)**

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	A 30 cm diameter pipe conveying water, branches into two pipes of diameters 20 cm and 15 cm respectively. If the average velocity in the 30 cm diameter pipe is 2.5 m/s, find the discharge in this pipe. Also determine the velocity in 15 cm pipe if the average velocity in 20 cm diameter pipe is 2 m/s.	Understand	1
b.	What is venturimeter? Derive an expression for the discharge through a venturimeter.	Remember	1

**Q.4 Attempt any ONE parts.**

**(1X10= 10)**

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	The velocity component in a 2-D incompressible flow fluid are expressed as $u = (y^3/3) + 2x - x^2y$ , $v = xy^2 - 2y - x^3/3$ , Determine i) the velocity and acceleration point (1,3) ii) if the flow physically possible?	Understand	2
b.	The pressure difference $\Delta p$ in a pipe of diameter D and length l due to viscous flow depends on the velocity V, viscosity $\mu$ and density $\rho$ . Using Buckingham $\pi$ -theorem, obtain the expression for $\Delta p$ .	Remember	2

**Q.5 Attempt any ONE parts.**

**(1X10= 10)**

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	Describe the phenomenon of boundary layer formation over a smooth flat plate.	Remember	3
b.	A fluid of viscosity 0.7 Ns/m <sup>2</sup> and specific gravity 1.3 is flowing through a circular pipe of diameter 100 mm. The maximum shear stress at the pipe wall is given as 196.2 N/m <sup>2</sup> , find (i) Pressure gradient, (ii) Average velocity and, (iii) Reynolds number of the flow.	Understand and Remember	3

**Q.6 Attempt any ONE parts.****(1X10= 10)**

<b>Q. No.</b>	<b>Question</b>	<b>Level of Taxonomy</b>	<b>Course Outcome</b>
<b>a.</b>	A Pelton turbine running at 720 rpm uses 300 kg of water per second. If the head available is 425 m determine the hydraulic efficiency. The bucket deflect the jet by 165. Also find the diameter of the runner and jet. Assume $K_v$ 0.97 and speed ratio 0.46, Blade velocity coefficient is $K$ 0.9	Understand and Remember	4
<b>b.</b>	With the help of neat sketch explain the working of francis turbine?	Remember	4

**Q.7 Attempt any ONE parts.****(1X10= 10)**

<b>Q. No.</b>	<b>Question</b>	<b>Level of Taxonomy</b>	<b>Course Outcome</b>
<b>a.</b>	Define specific speed of a centrifugal pump. Derive an expression for the same	Understand and Remember	5
<b>b.</b>	A single acting reciprocating pump, running at 50 rpm, delivers 0.01 m <sup>3</sup> /s of water. The diameter of the piston is 200 mm and stroke length 400 mm. Determine: i) The theoretical discharge of the pump ii) Co-efficient of discharge iii) Slip and the percentage slip of the pump.	Understand and Remember	5

292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT  
First sessional Examination, Session 2022-23  
IV Semester CSE  
Subject & Code: - Microprocessor (KCS-403)

Max. Marks: 30

Time: 01:30Hrs.

Note: Attempt all Sections.

Section A

Attempt ALL Questions, each question carry two Mark.

[2\*5=10]

<u>No</u>	<u>Questions</u>	<u>CO</u>
1.	Discuss in brief about the evolution of Microprocessor.	CO2
2.	Discuss briefly about the types of Microprocessors.	CO2
3.	Discuss briefly about the Registers in Microprocessor.	CO1
4.	Differences between microprocessor and microcontroller.	CO1
5.	Define ALE, TRAP, HOLD, HLDA .	CO1

Section B

Attempt All Questions each question carry FOUR Marks. .

[4\*3=12]

<u>No</u>	<u>Questions</u>	<u>CO</u>
1.	Define Flag Register of 8085 with diagram.	CO2
2.	What are the various memory addressing modes in 8085?	CO2
3.	What do you mean by Interrupt? Explain various interrupts of 8085 microprocessor.	CO2
4.		CO3

Section C

AttemptAll Questions each question carry FOUR Marks.

[4\*2=8]

<u>No</u>	<u>Questions</u>	<u>CO</u>
1.	Draw the pin diagram of MP8085 and explain each pins in details.	CO4
2	Draw the Block diagram of Microprocessor 8085 and explain function of each block.	CO2

**292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT**  
**I- Sessional Examination, Session 2022-23**  
**VI Semester CSE**  
**Subject & Code: - Web Technology (KCS- 602)**

Max. Marks: 30

Time: 01:30 Hrs

Note: Attempt all Sections.

**Section A**

Attempt ALL Questions, each question carry ONE Mark.

[1\*8=8]

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
Q No.1	Differentiate between Classes and Objects.	CO1
Q No.2	Explain the difference between static web pages, dynamic web page	CO1
Q No.3	What do you mean by Checked Exceptions?	CO1
Q No.4	Explain printStackTrace().	CO1
Q No.5	Differentiate between WWW and the internet.	CO1
Q No.6	What are the advantages and drawbacks of Applet?	CO1
Q No.7	Define Thread. How to create a thread in java?	CO1
Q No.8	What are access specifiers? Draw a table showing all the access specifiers and their accessibility in the class, package, subclasses and other packages.	CO1

**Section B**

Attempt any FOUR Questions each question carry THREE Marks.

[3\*4=12]

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
Q No.1	What is multithreading? Define yield(), wait() and sleep()?	CO1
Q No.2	Explain client-server architecture with diagram in terms of Web development.	CO1
Q No.3	Explain various protocols governing web? Explain packages and interfaces with example.	CO1
Q No.4	Describe the HTTP protocol. Also discuss URLs. Explain the applications of TCP/IP, SMTP and POP3 protocols.	CO1
Q No.5	Discuss web development process in details. Discuss the people and their roles in Web development.	CO1

**Section C**

Attempt any TWO Questions each question carry FIVE Marks.

[5\*2=10]

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
Q No.1	What is an exception? How is exception handled in JAVA. Differentiate between Throw and Throws.	CO1
Q No.2	Discuss the concept of Inheritance. Explain different forms of inheritance available in Java with suitable program segments and real world example classes.	CO1
Q No.3	Write a Java program to create an Applet for calculator and also perform event handling on each button.	CO2

**292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT**  
**I SESSIONAL EXAMINATION – 2022-23**  
**B.TECH- 8<sup>TH</sup> SEM (CS (A&B), ME, CE, EC)**  
**ENTREPRENEURSHIP DEVELOPMENT(KOE-083)**

Total time-1:30hrs.

M. Marks-30

**Section-A**

**Attempt all questions, each question carry one marks**

**(1x8=8)**

	QUESTIONS	CO
1.	Define entrepreneurship ,entrepreneur and enterprise	CO1
2.	Discuss qualities and abilities of entrepreneur.	CO1
3.	Differentiate between cottage industry and small scale industry	CO1
4.	Define Large scale industries	CO1
5.	Differentiate between ancillary industry and subsidiary industry	CO1
6.	What is SSI?	CO1
7.	Name any 4 agencies which help new entrepreneur to develop their business	CO1
8.	Difference between Entrepreneur and Intrapreneur	CO1

**Section-B**

**Attempt any four questions each question carry three marks**

**(4x3=12)**

II	QUESTIONS	CO
1.	<i>"Entrepreneurs are made not born"</i> comment and justify the statement.	CO1
2.	What are the characteristics of SSI? Also explain the role of small scale industry in national economy.	CO1
3.	What are the different types of entrepreneur?	CO1
4.	Discuss the different types of small scale industry.	CO1
5.	Discuss the role of an entrepreneur in development.	CO1

**Section-C**

**Attempt ant two questions, each question carry five marks**

**(2x5=10)**

III	QUESTIONS	CO
1.	What do you mean by Small scale industry? Discuss the procedure for setting up small scale industry in India.	CO1
2.	What are the various government policies for small scale industry in India? Discuss in detail.	CO1
3.	Describe about the Role of various national and state agencies which render assistance to small scale industries.	CO1



Meerut Institute of Technology, Meerut

PUT Test Even Semester, 2022-23

Course/Branch: B. Tech.-CSE/DS Semester: VI  
 Subject: Web Technology Subject Code: KCS 602  
 M.M. 100 Time: 2:30hrs  
 Section A

Q.1 Attempt all ten questions from the following. (10 X 2 = 20)

Q.	Question	Course Outcome
a	Differentiate Internet and WWW.	CO 1
b.	Explain AJAX working.	CO 3
c.	What is the difference between doGet() and doPost()?	CO (5)
d.	Explain about EJB Architecture.	CO (4)
e.	Compare Java and JavaScript.	CO 3
f.	How to create cookie? Explain with methods.	CO 4
g	Explain tomcat web server.	CO 4
h.	Explain Exception handling with example in java.	CO 2
i.	What is package?	CO 1
j.	What is AWT?	CO 1

Section B

Q 2. Attempt any three Question Each question carries 10 marks

Q.	Question	CO
1	a. Explain type of JDBC Drivers with advantage and disadvantage. b. What is Session Tracking? Explain different mechanisms of session tracking.	4
2.	a. Explain classes and interfaces of javax.servlet package. b. Discuss about implicit object in JSP. What are standard actions in JSP? Illustrate with example.	5
3.	a. What is form validation? Explain with Example. b. Write a JavaScript program to convert distance in Kilometers, miles to meters or inches.	3
4.	a. Write short note on URL and URL Connection class with a suitable program in java. b. Explains types of Java Beans? Explain the advantages and disadvantages of java Beans.	3
5.	a. What is CSS? Explain different types of CSS. b. What is List ? Explain different types of lists used in HTML.	2

Section C

Q.3. Attempt all Questions (5 X 10= 50)

Q.	Question	CO
6	What is XML Schema? Explain the advantage of Schema over DTD? Or What is DTD? What are the differences between external and internal DTD? Write Suitable Example	1
7	What is servlet? Explain its life cycle with diagram. Or Explain types of JSP Directives with syntax.	5
8	What is XML? Write the difference between XML and HTML Or Explain DOM parser? What are the difference between SAX and DOM.	2
9	Describe in brief, the growth of the web technology. Explain the protocols governing the web. or What are packages in java? How a user-defined package is created in Java, explain with example?	1
10	Explain JavaBeans. Why they are used? Or Write a JDBC program to print data of a table.	4

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292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT  
Second sessional Examination, Session 2022-23  
III Semester CSE

Subject & Code: - Computer Organization and Architecture (KCS-302)

Max. Marks: 30

Time:01:30 Hrs

Note: Attempt all Sections.

Section A

Attempt ALL Questions, each question carry two Mark.

[2\*5=10]

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
1.	What is the difference between RAM and ROM?	CO1
2.	Differentiate between write back and write through method.	CO1
3.	Explain with neat and clean diagram the basic functional units of a computer	CO1
4.	Explain The Role of IR (Instruction Register) and AC (Accumulator Register) in computer System.	CO1
5.	Design a Full Adder by using 2 Half Adder.	CO1

Section B

Attempt All Questions each question carry THREE Marks.

[3\*4=12]

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
1.	Design a 4-Bit Carry-Look ahead adder and explain its operation with an example.	CO1
2.	Explain the Booth's multiplication algorithm in detail. Give an example for multiplication using Booth's algorithm.	CO1
3.	A two-way set associative cache memory uses blocks of four words. The cache can accommodate a total of 2048 words from main memory. The main memory size is 128K X 32. a. Formulate all pertinent information required to construct the cache memory. b. What is the size of cache memory.	CO1
4.	Answer the following questions: a. How many 128X8 RAM chips are needed to provide a memory capacity of 2048 bytes? b. How many lines of the address bus must be used to access 2048 bytes of memory? How many of these lines will be common to all chips? How many lines to be decoded for chip select? Specify the size of decoders.	CO1

Section C

Attempt All Questions each question carry FOUR Marks.

[4\*2=8]

<u>Q.No</u>	<u>Question</u>	<u>CO</u>
1.	What are different addressing modes? An Instruction is Stored at location 200 with its address field at location 201. The address field has the value 400. A processor register R1 contain the value 200. Find out the effective address if the addressing mode of the instruction is : - 1) Immediate 2) Direct 3) Register indirect 4) Relative 5) Index with R1 as the Index Register	CO1
2	An address space is specified by 24 bits and corresponding memory space by 16 bits. a. How many words are there in the address space? b. How many words are there in the memory space? If a page consists of 2K words, how many pages and blocks are there in the system?	

4

**Note: Attempt all Sections.****Section A****Attempt ALL Questions, each question carry ONE Mark.****[1\*8=8]**

1. What is domain in relational model? (CO-1)
2. Define functional dependency. (CO-1)
3. Differentiate between candidate key and a super key. (CO-1)
4. What is Augmentation Armstrong rule? (CO-1)
5. Can we split in LHS of any Functional dependency. (CO-1)
6. What trivial dependency. (CO-1)
7. Is 2NF allow partial dependency? (if YES, tell which type). (CO-1)
8. What do you mean by Degree of relation? (CO-1)

**Section B****Attempt ALL Questions each question carry THREE Marks.****[3\*4=12]**

9. Consider the relation schema R(A,B,C,D,E, G) with following Functional dependencies. (CO-3)  
 $\{ AB \rightarrow C, C \rightarrow A, BC \rightarrow D, ACD \rightarrow D, D \rightarrow EG, BE \rightarrow C, CG \rightarrow BD, CE \rightarrow AG \}$   
 Compute the closure of  $(B,D)^+$  and  $(C,A)^+$ .
10. Give tow sets F1 and F2 of FDs for a relation (A, B, C, D, E) (CO-4)  
 $F1: A \rightarrow B, AB \rightarrow C, D \rightarrow AC, D \rightarrow E$   
 $F2: A \rightarrow BC, D \rightarrow AE$   
 Are F1 and F2 equivalent?
11. Explain partial dependency, full dependency and transitive dependency. (CO-2)
12. Consider a relation R(A, B, C, D, E) with the following dependencies: (CO-3)  
 $F: \{ AB \rightarrow C, CD \rightarrow E, DE \rightarrow B \}$ , Find the candidate key.

**Section C****Attempt all Questions each question carry FIVE Marks.****[5\*2=10]**

13. Consider a relation  $R=\{A,BC,D,E,F,G,H,I,J\}$  and set of functional dependencies of FD  
 $F=\{AB \rightarrow C, A \rightarrow DE, B \rightarrow F, F \rightarrow GH, D \rightarrow IJ\}$ . (CO-4)  
 a) Find out keys of R?  
 b) Check whether given relation in 2NF or not.
14. Explain different type of integrity constraints. (CO-2)

**292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT**  
**2<sup>nd</sup> SESSIONAL EXAMINATION, SESSION (2022-23)**  
**B. Tech – VII Semester CSE (A+B), ME, CE, EC**  
**Subject & Code – Rural Development Administration and Planning (KHU-701)**

**Max. Marks: 30**

**Time: 01:30 Hrs**

**Note: - Attempt all sections.**

**SECTION-A**

**Attempt ALL questions each carry ONE marks**

**(1 x 8=08)**

1	Why was Nilokheri Experiment called as "Mazdoor Manzil"?	CO2
2	Gurgaon Experiment aimed at addressing what issues of rural Development?	CO2
3	How can you say that "Gram Sabha is the basic unit of Panchayat Raj system"? Justify.	CO3
4	What are self-help group?	CO3
5	Describe the structure of Panchayat raj institution.	CO3
6	What do you mean by Zila parishad?	CO3
7	Explain the function of Panchyat samiti?	CO3
8	What is Nilokheri experiment	CO2

**SECTION-B**

**Attempt ALL questions each carry THREE marks.**

**(3x 4=12)**

1	Write short notes on advantages of financing through Self Help Groups	CO3
2	NABARD's Self Help Group's Bank Linkage Program. Give a detailed insight	CO3
3	Write a short note on Marthandam Experiment.	CO2
4	Describe the need for non-government organization working in the field of rural development	CO3

**SECTION-C**

**Attempt ALL questions each carry FIVE marks**

**(5 x 2=10)**

1	Discuss Firka movement and Etawa Pilot project with respect to their methodology pf working	CO2
2	Discuss the relationship between Marthandam Project and YMCA, with their activities and methods of work	CO2

[14/12/2022]

Roll Number .....

**B. TECH (Sem V) CSE  
PRE-UNIVERSITY THEORY EXAMINATION (Session 2022-23)  
DESIGN ANALYSIS OF ALGORITHM (KCS503)**

Time: 3 Hours

Total Marks: 100

Note:- Attempt all sections. If require any missing data then choose suitably.

**SECTION – A**

1. Attempt all questions in brief.

2 x 10 = 20

a)	What do you mean by best case, average case, and worst case time complexity of an algorithm?	CO1
b)	Why do we use asymptotic notation in the study of algorithm? Explain in brief various asymptotic notations.	CO1
c)	Solve the recurrence: $T(n)=16T(n/4)+n^2$ by using Master method.	CO2
d)	Describe the properties of Red-Black tree.	CO1
e)	Differentiate between Dynamic programming and Greedy approach.	CO2
f)	Explain binomial heap with properties.	CO2
g)	Define travelling salesman problem in detail.	CO1
h)	Differentiate between Backtracking and Branch & Bound approach.	CO2
i)	What is the running time of heap sort on an array A of length n that is already sorted in increasing order?	CO1
j)	Explain the naïve string matching algorithm.	CO1

**SECTION – B**

2. Attempt any three of the following:

10 x 3 = 30

a)	Illustrate the function of Heapsort on the following array: $A=\{25,57,48,37,12,92,86,33\}$ .	CO3
b)	How B-tree differs with other tree structures. Insert the following information F,S,Q,K,C,L,H,T,V,W,M,R,N into an empty B-tree with minimum degree 2.	CO3
c)	Explain and write partitioning algorithm for Quick Sort.	CO2
d)	Use single source shortest path algorithm for find the optimal solution for given graph.	CO3

```

graph LR
    A((A)) -- 10 --> B((B))
    A((A)) -- 3 --> C((C))
    B((B)) -- 5 --> D((D))
    C((C)) -- 20 --> D((D))
    C((C)) -- 15 --> E((E))
    D((D)) -- 11 --> E((E))
    
```

e)	Explain any one minimum cost spanning tree algorithm with example.	CO2
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**SECTION – C**

3.	Attempt any one part of the following:	10 x 1 = 10
a)	Explain the Floyd Warshall algorithm with example. Which design strategy the algorithm uses?	CO2
b)	Write an algorithm for Sum Subset problem using backtracking approach. Find all possible solution for the following instances using same if $m=30$ , $S=\langle 1,2,5,7,8,10,15,20,25 \rangle$	CO3
4.	Attempt any one part of the following:	10 x 1 = 10
a)	Explain insertion in Red-Black tree. Show steps for inserting 1,2,3,4,5,6,7,8 &9 into empty RB tree.	CO3

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b)	Describe in detail the Strassen's Matrix Multiplication algorithm based on divide & conquer strategies with suitable example.	CO2, CO3
5.	<b>Attempt any one part of the following:</b>	<b>10 x 1 = 10</b>
a)	Write algorithm for union of two binomial heaps. What is complexity?	CO1
b)	Consider 5 items along their respective weights and values $I = \langle I_1, I_2, I_3, I_4, I_5 \rangle$ $W = \langle 5, 10, 20, 30, 40 \rangle$ $V = \langle 30, 20, 100, 90, 160 \rangle$ The capacity of Knapsack $w = 60$ . Find the solution to the fractional knapsack problem.	CO1, CO4
6.	<b>Attempt any one part of the following:</b>	<b>10 x 1 = 10</b>
a)	Discuss KMP string matching algorithm and also find the prefix function for the following pattern: ababbabaa	CO1, CO3
b)	Suppose the undirected graph $G=(V,E)$ has non-negative edge weights and these are multiplied by 2. Can the minimum spanning tree change? Can shortest paths change? Justify with proper example.	CO1, CO3
7.	<b>Attempt any one part of the following:</b>	<b>10 x 1 = 10</b>
a)	Find the optimal parenthesization of a matrix chain product whose sequence of dimensions is $\langle 6, 10, 5, 3, 12 \rangle$ .	CO3
b)	Discuss convex hull problem. Write the algorithm for Graham's scan algorithm for finding the convex hull with a suitable example.	CO1, CO2

A

**Meerut Institute of Technology (PC), Meerut**

**PUT Examination 2022-23**

Name of the course: BBA 3 SEM

Subject code: BBA-305

Name of the subject: Management Information System

MAX. MARKS: - 75

Time Allowed: 3 hours

**Section – A**

**(5x3 = 15)**

*(Attempt all 5 questions. Each question carries 3 marks. Short answer is required not exceeding 75 words.)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
1	Write short note on 'MIS'?	(CO-5)	Understand
2	Explain role of computers in MIS.	(CO-3)	Remember
3	What is DBMS?	(CO-1)	Remember
4	Write Short note on 'Information'	(CO-2)	Remember
5	Write short note of transaction process system.	(CO-2)	Understand

**Section – B**

**(7.5x2 = 15)**

*(This section contains 3 questions, you are required to attempt any 2 questions each carrying 7.5 marks)  
(Answer in 150-200 words)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
6	Differentiate between strategic and corporate planning.	(CO-3)	Understand
7	Explain knowledge based expert system in detail.	(CO-1)	Understand
8	What is decision support system? Explain in detail.	(CO-2)	Understand

**Section – C**

**(5X3 = 15)**

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5 marks)  
(Answer in 200-300 words)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
9	Explain main objectives of MIS in detail.	(CO-5)	Understand
10	Explain the factors for success and failure of MIS.	(CO-5)	Understand
11	Discuss the development and implementation of MIS.	(CO-3)	Understand
12	Explain the methods of data and information collection.	(CO-4)	Understand
13	What is system analysis? How MIS is useful in system analysis?	(CO-5)	Understand

**Meerut Institute of Technology (PC), Meerut**

**PUT Examination 2022-23**

Name of the course: BBA 3 SEM

Subject code: BBA-306

Name of the subject: Income Tax Law & Practice

MAX. MARKS: - 75

Time Allowed: 3 hours

**Section – A**

(5x3 = 15)

*(Attempt all 5 questions. Each question carries 3 marks. Short answer is required not exceeding 75 words.)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
1	Write short note on 'Previous Year'?	(CO-5)	Understand
2	Differentiate between Exemptions and Deductions under Income tax Act 1961.	(CO-3)	Remember
3	Define 'Agricultural income' as per Income Tax Act 1961.	(CO-1)	Remember
4	Write Short note on 'Casual Income'	(CO-2)	Remember
5	Write any three incomes exempted from Tax.	(CO-2)	Understand

**Section – B**

(7.5x2 = 15)

*(This section contains 3 questions, you are required to attempt any 2 questions each carrying 7.5 marks)  
(Answer in 150-200 words)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
6	Explain set off and carry forward of losses in detail.	(CO-3)	Understand
7	Define Capital Asset. Differentiate between sec 54 and sec 54F of Income Tax Act 1961.	(CO-1)	Understand
8	Calculate income tax for the current year from the following data:  Income from Salaries – 500000 Income from other sources – 100000 Income from capital gains – 10000 LIC policy premium - 20000	(CO-2)	Understand

**Section – C**

(5X3 = 15)

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5 marks)*

(Answer in 200-300 words)

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
9	Explain how the tax liability is determined with reference to residence of an assessee.	(CO-5)	Understand
10	Differentiate between Tax Management and Tax Avoidance.	(CO-5)	Understand



**Meerut Institute of Technology (PC), Meerut**

**PUT Examination 2022-23**

Name of the course: BBA 5 SEM

Subject code: BBA F2 (506)

Name of the subject: Financial Institutions & Investment Management

MAX. MARKS: - 75

Time Allowed: 3 hours

**Section – A**

**(5x3 = 15)**

*(Attempt all 5 questions. Each question carries 3 marks. Short answer is required not exceeding 75 words.)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
1	Define Money market.	(CO-5)	Understand
2	What is Stock exchange?	(CO-3)	Remember
3	Explain IDBI in Short.	(CO-1)	Remember
4	Differentiate between GIC & LIC.	(CO-2)	Remember
5	Explain CAPM in brief.	(CO-2)	Understand

**Section – B**

**(7.5x2 = 15)**

*(This section contains 3 questions, you are required to attempt any 2 questions each carrying 7.5 marks)  
(Answer in 150-200 words)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
6	Explain the objectives of SEBI.	(CO-3)	Understand
7	Explain the working of NABARD.	(CO-1)	Understand
8	Explain Consumer Credit & Plastic Money.	(CO-2)	Understand

**Section – C**

**(5X3 = 15)**

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5 marks)  
(Answer in 200-300 words)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
9	Differentiate between primary and Secondary market in detail.	(CO-5)	Understand
10	Explain Portfolio analysis and its selection in detail.	(CO-5)	Explain
11	Explain the ICICI. What are its activities? Explain	(CO-3)	Understand
12	Differentiate between leasing and hire purchase in detail.	(CO-4)	Understand
13	Explain the growth and evolution of mutual funds.	(CO-5)	Explain

**Meerut Institute of Technology (PC), Meerut**

**First Sessional Examination 2022-2023**

Name of the course: BBA

Subject code: 604

Name of the subject: INDUSTRIAL & ECONOMIC LAW

Time Allowed: 1<sup>1/2</sup>Hours

Maximum Marks: 25

**Section –A**

(1x5=5)

*(This section contains 5 questions, each carrying one mark. Answer should be brief)*  
(Answer in 25-50words)

Q.N O	QUESTION	Courseo utcome	Taxonomy
1	Define Industrial Law.	CO-1	Understand
2	What is Factory Act 1948?	CO-2	Understand
3	What is Workmen Compensation Act?	CO-2	Remember
4	What is 'Safety' in Factories act?	CO-2	Understand
5	What do you mean by 'Penalties'?	CO-2	Understand

**Section –B**

(2.5x2=5)

*(This section contains 3 questions, you are required to attempt any 2 questions each carrying 2.5marks)*  
(Answerin 100-150words)

Q.N O	QUESTION	Courseo utcome	Taxonomy
1	What are the objectives of Factory Act in short?	CO-1	Learning
2	Explain various problems of workers?	CO-2	Knowledge
3	Explain the significance of Compensation Act?	CO-2	Understand

**Section –C**

(5X3=15)

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5marks)*  
(Answerin 200-300words)

Q.N O	QUESTION	Courseo utcome	Taxonomy
1	Explain duties of factory manager.	CO-1	Learning
2	Distinguish between Factory act and Workmen compensation Act.	CO-2	Explain
3	Explain objectives of Workmen Compensation Act?	CO-2	Learning
4	Explain the recovery of compensation?	CO-1	Explain
5	Describe the detailed objectives of factory Act?	CO-1	Explain

**Meerut Institute of Technology (PC), Meerut**

**First Sessional Examination 2022-2023**

Name of the course: BBA

Subject code: 405

Name of the subject: RESEARCH METHODOLOGY

Time Allowed: 1<sup>1/2</sup>Hours

Maximum Marks: 25

**Section –A**

**(1x5=5)**

*(This section contains 5 questions, each carrying one mark. Answer should be brief)  
(Answer in 25-50words)*

Q.N O	QUESTION	Courseo utcome	Taxonomy
1	Define research.	CO-1	Understanding
2	What is research design?	CO-2	Understanding
3	What is primary data?	CO-2	Understanding
4	What is secondary data?	CO-2	Understanding
5	What is questionnaire?	CO-2	Understanding

**Section –B**

**(2.5x2=5)**

*(This section contains 3 questions, you are required to attempt any 2 questions each carrying  
2.5marks)  
(Answerin 100-150words)*

Q.N O	QUESTION	Courseo utcome	Taxonomy
1	What are the objectives of research?	CO-1	Learning
2	Explain various problems encountered by researchers.	CO-2	Knowledge
3	Explain the significance of research design.	CO-2	Understanding

**Section –C**

**(5X3=15)**

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5marks)  
(Answerin 200-300words)*

Q.N O	QUESTION	Courseo utcome	Taxonomy
1	Explain different types of research.	CO-1	Learning
2	Distinguish between research methods & research methodology.	CO-2	Understandin g
3	Explain different scales of measurement in research.	CO-2	Learning
4	Explain the research process.	CO-1	Understandin g
5	Describe the technique of defining a research problem.	CO-1	Understandin g

**Meerut Institute of Technology (PC), Meerut**

**First Sessional Examination 2022-23**

Name of the course: BBA 3 SEM

Subject code: BBA- 303

Name of the subject: INDIAN ECONOMY

Time Allowed: 1<sup>1/2</sup> Hours

Maximum Marks: 25

**Section – A**

(1x5 = 5)

*(This section contains 5 questions, each carrying one mark. Answer should be brief)  
(Answer in 25-50 words)*

Q.NO	QUESTION	Level of Taxonomy	Taxonomy
1	Define economics.	(CO 1)	Understand
2	What are the various types of economic indicators? _____	(CO 1)	Remember
3	Write a short note on consumer price index.	(CO 1)	Remember
4	What are the factors affecting economic development?	(CO 1)	Understand
5	What is human resource of India?	(CO 2)	Remember

**Section – B**

(2.5x2 = 5)

*(This section contains 3 questions, you are required to attempt any 2 questions each carrying 2.5 marks)  
(Answer in 100-150 words)*

Q.NO	QUESTION	Level of Taxonomy	Taxonomy
1	What are the types of economics?	(CO 1)	Understand
2	Write a short note on economic system?	(CO 1)	Understand
3	What is the importance of human resources?	(CO 2)	Understand

**Section – C**

(5X3 = 15)

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5 marks)  
(Answer in 200-300 words)*

Q.NO	QUESTION	Level of Taxonomy	Taxonomy
1	Explain the role of human resource in economic development.	(CO 2)	Explain
2	What are the various stages of demographic transition?	(CO 2)	Explain
3	Explain the various factors which effects population explosion?	(CO 2)	Explain
4	Describe the various 5 year plans launched by government of India for population policy of India?	(CO 2)	Explain
5	What are the basic characteristics of Indian economy?	(CO 1)	Explain

Meerut Institute of Technology (PC), Meerut  
First Sessional Examination 2022-23

Name of the course: BBA

Subject: Service Marketing

Subject code: 506

Time Allowed: 1.5 Hours

Maximum Marks: 25

**Section – A (1x5 = 5)**

*(This section contains 5 questions, each carrying one mark. Answer should be brief)*

1. Define Service Marketing.	CO1
2. Name 7 P's of Marketing.	CO1
3. Define market segmentation.	CO1
4. Name few services provided by health care Industry.	CO1
5. What is digital marketing?	CO1

**Section – B (2.5x2 = 5)**

*(This section contains 3 questions, you are required to attempt any 2 questions each carrying 2.5 marks)*

6. What are the characteristics of Service marketing?	CO2
7. What do you understand by targeting & positioning?	CO2
8. Write a note on paradigms in service marketing.	CO2

**Section – C (5X3 = 15)**

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5 marks)*

9. Explain the Service marketing Mix.	CO2
10. Distinguish between Product and Service Marketing.	CO2
11. Write a note on classification of service.	CO2
12. Write a note on present environment for services.	CO1
13. What are the difficulties and challenges in service marketing?	CO2

**Meerut Institute of Technology (PC), Meerut**

**PUT Examination 2022-23**

Name of the course: BBA 1 SEM

Subject code: BBA-104

Name of the subject: Accounting & Financial Analysis

MAX. MARKS: - 75

Time Allowed: 2 hour30 min

**Section – A**

**(5x3 = 15)**

*(Attempt all 5 questions. Each question carries 3 marks. Short answer is required not exceeding 75 words.)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
1	Explain Intangible Assets in brief.	(CO-5)	Understand
2	Explain Statement of changes in working capital in short.	(CO-3)	Remember
3	Define Double Entry System briefly.	(CO-1)	Remember
4	Explain Trial Balance in Short.	(CO-2)	Remember
5	Define Accounting Equation in brief.	(CO-2)	Understand

**Section – B**

**(7.5x2 = 15)**

*(This section contains 3 questions, you are required to attempt any 2 questions each carrying 7.5 marks)  
(Answer in 150-200 words)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
6	Explain the objectives and limitations of Ratio Analysis.	(CO-3)	Understand
7	Explain the Process of Accounting.	(CO-1)	Understand
8	Calculate COGS from following Data: Opening stock 20000, Indirect Wages 10000, Purchases 40000, Closing Stock 23000.	(CO-2)	Understand

**Section – C**

**(5X3 = 15)**

*(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5 marks)  
(Answer in 200-300 words)*

Q.NO	QUESTION	Level of Taxonomy	COURSE OUTCOME
9	Explain any five Accounting Concepts.	(CO-5)	Explain
10	Differentiate between Cash Flow and Fund Flow Statement.	(CO-5)	Explain

11	<p>Journalize following transactions and prepare ledger of the same.</p> <p>Ram started business with Cash 200000, Purchased Goods on credit 2000, Sold goods on cash 10000, Paid salary and wages 4000.</p>	(CO-3)	Explain												
12	<p>Calculate amount of cash flows on 31.03.21 from investing activities from following information:</p> <table border="1" data-bbox="252 533 839 824"> <thead> <tr> <th>Particulars</th> <th>31.03.20</th> <th>31.03.21</th> </tr> </thead> <tbody> <tr> <td>Land</td> <td>1,05,000</td> <td>35000</td> </tr> <tr> <td>Plant</td> <td>280000</td> <td>350000</td> </tr> <tr> <td>Long term investments</td> <td>17500</td> <td>35000</td> </tr> </tbody> </table> <p>Additional Information is:</p> <p>Plant is charged with depreciation as Rs. 28000, Plant with a book value of 35000 was sold for Rs. 42000, Land was sold at a profit of Rs. 17500.</p>	Particulars	31.03.20	31.03.21	Land	1,05,000	35000	Plant	280000	350000	Long term investments	17500	35000	(CO-4)	Explain
Particulars	31.03.20	31.03.21													
Land	1,05,000	35000													
Plant	280000	350000													
Long term investments	17500	35000													
13	<p>X Ltd has a current ratio of 4.5:1 and acid test ratio of 3:1.If its inventory is Rs. 12000/-. Find current liabilities and</p> <p>Write the formulae to calculate GP Ratio, NP Ratio, Operating Ratio and Operating Profit Ratio.</p>	(CO-5)	Explain												

**SAMPLE  
COURSE OUTCOMES  
EVALUATED ANSWER  
SHEETS  
SESSION 2022-23**



# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

MEERUT  
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A

8 pages

## ANSWER BOOKLET

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
- Follow the instructions given on question paper carefully.
- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22... - 20...23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	19/June/23	Day	Monday
Shift		Course	BCA		
Student's Name	Payal Rathi	Roll Number	221110106189		
Father's Name	Sumit Kumar	Branch (if any)			
Subject Code	B C A 2 0 2	Semester/Section	II Sem.	Sec-C.	
Subject Name	C- Programming	Room Number	213		
Signature of Candidate	Payal Rathi	Signature of Invigilator			

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2	3		3	2														10		20	
CO2			3																	10	13	
CO3																			12		12	
CO4																						
CO5																						

Total Marks (In Words) : ..... forty five ..... Total Marks 45

REMARK(s)

Signature of the examiner:

Evaluated Answer Sheet is seen.  
Signature of Examinee:

23/6/23

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Session 20..... – 20.....

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	21/6/23	Day	Wednesday
Shift		Course	BCA		
Student's Name	Gshika Agrawal	Roll Number	211110106061		
Father's Name	Ravi Agrawal	Branch (if any)			
Subject Code	BCA404	Semester/Section	4th	B	
Subject Name	O.T	Room Number	204		
Signature of Candidate	<i>Gshika</i>	Signature of Invigilator	<i>Shival</i>		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	3		3	3	3	-	-	-	-	-											12	
CO2		3																			03	
CO3												5	7			10	5	5			32	
CO4																						
CO5																						

Total Marks (In Words) : Forty Seven

Total Marks

47/75

REMARK(s)

Signature of the examiner:

*Shival*

Evaluated Answer Sheet is seen.  
Signature of Examinee:

*Gshika*

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Session 20<sup>22</sup>..... - 20<sup>23</sup>.....

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional <input checked="" type="checkbox"/> PUT	Date	22/08/23	Day	THURSDAY
Shift	MORNING	Course	BCA		
Student's Name	ADITYA SINGH	Roll Number	221110106024		
Father's Name	SHAILESH SINGH	Branch (if any)			
Subject Code	B C D -	Semester/Section	II	A	
Subject Name	FAM	Room Number	202		
Signature of Candidate	<u>Aditya Singh</u>	Signature of Invigilator	<u>[Signature]</u>		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	3	2											5			8		11			29	
CO2				2															7		9	
CO3												6									6	
CO4																						
CO5																						

Total Marks (In Words) : Forty four Total Marks 44  
75 [Signature]

REMARK(s)

Signature of the examiner:

Evaluated Answer Sheet is seen.  
Signature of Examinee:

[Signature]

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Session 20..22.. - 20....23

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT <input checked="" type="checkbox"/>	Date	25/02/23	Day	
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	AKASH KR. GUPTA	Roll Number			
Father's Name	VINOD KR. GUPTA	Branch (if any)	PHARMACY		
Subject Code	B P 1 0 6 R MT	Semester/Section	Semester		
Subject Name	Remedial Math.	Room Number	E-108		
Signature of Candidate	<i>A Gupta</i>	Signature of Invigilator	<i>Jagdish</i> 25/2/23		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2	2														7	7				18	
CO2			2	2							10										14	
CO3					2	0												7			9	
CO4							0	2													2	
CO5									2	2	10										14	

Total Marks (In Words) : Fifty seven Total Marks 57

REMARK(s)	Signature of the examiner:	<i>[Signature]</i>
	Evaluated Answer Sheet is seen. Signature of Examinee:	<i>[Signature]</i>

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- Do not tear off any page from the answer book.

Session 20...<sup>22</sup> - 20...<sup>23</sup>.....

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	22/2/23	Day	Wednesday
Shift	Morning	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Taniya	Roll Number			
Father's Name	Mr. Mukesh	Branch (if any)			
Subject Code	B   P   1   0   3   T	Semester/Section	First	2022-2023	
Subject Name	Pharmaceutics	Room Number	E208		
Signature of Candidate	Taniya	Signature of Invigilator			

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total		
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max	
CO1	4					0					4											8	
CO2				2						1												3	
CO3		0			0		0								9				7	6		16	
CO4								2											7	6		13	
CO5			2						2												7	11	

Total Marks (In Words) : .....

Total Marks

58

REMARK(s)

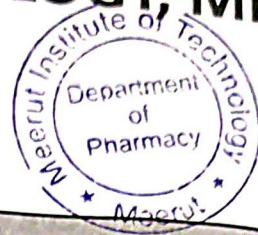
Signature of the examiner:

Evaluated Answer Sheet is seen.  
Signature of Examinee:

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Session 20...22... - 20...23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	10/3/2023	Day	
Shift	First	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	VIVEK KUMAR GUPTA	Roll Number			
Father's Name	SURESH KUMAR GUPTA	Branch (if any)	B. Pharm		
Subject Code	B P 1 0 2 T	Semester/Section	First		
Subject Name	Pharmaceutical Analysis	Room Number	E-108		
Signature of Candidate	Vivek Kumar Gupta	Signature of Invigilator	[Signature]		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1					0				1	0											01	
CO2	1		-																2	-	03	
CO3							2	1			-										03	
CO4				1	-											-		4	5	-	10	
CO5		1											3	-	-						04	

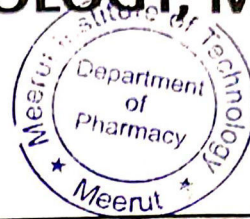
Total Marks (In Words) : ..... Total Marks 21

REMARK(S)	Signature of the examiner:	[Signature]
	Evaluated Answer Sheet is seen. Signature of Examinee:	[Signature]

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Session 20..... – 20.....

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	Day
Shift	1	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.
Student's Name	Anyami kumari	Roll Number	
Father's Name	Bhudev yadav	Branch (if any)	Pharm
Subject Code	B P 1 0 2 T	Semester/Section	1st year
Subject Name	Pharmaceutical Analysis	Room Number	
Signature of Candidate	Anyami kumari	Signature of Invigilator	Sajid

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1						2			-	-											02	
CO2	-		-																6	-	06	
CO3							2	-			5										07	
CO4				-	1							6				6	-	5			18	
CO5		2											4	6	-						12	

Total Marks (In Words) :.....

Total Marks

45

REMARK(s)

Signature of the examiner:

A. K. Sharma

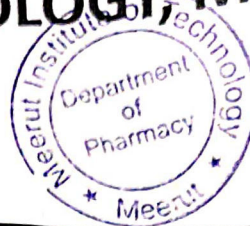
Evaluated Answer Sheet is seen.  
Signature of Examinee:

Anyami

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**A**  
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Session 20... - 20...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	23/6/23	Day	Friday
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Abhinav Aditya	Roll Number	2202920800001		
Father's Name	Shashi Bhushan Sr.	Branch (if any)	Pharmacy		
Subject Code	B P 2 0 3 7	Semester/Section	2nd		
Subject Name	Biochemistry	Room Number	E-106		
Signature of Candidate	<i>AS</i>	Signature of Invigilator	<i>Gupta</i>		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2	2																			4	4
CO2	2																				6.5	7
CO3											10										10	10
CO4	2				2																4	4
CO5																					4.5	5

Total Marks (In Words) : ..... Total Marks **29/30**

REMARK(s)	Signature of the examiner:	<i>AS</i>
	Evaluated Answer Sheet is seen. Signature of Examinee:	<i>Abhinav</i>



# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

**M**EEERUT  
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## ANSWER BOOKLET



**A**  
8 pages

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Session 20...22... - 20...23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	23/06/23	Day	
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	AKASH KR. GUPTA	Roll Number	2202920500004		
Father's Name	VINOD KR. GUPTA	Branch (if any)	Pharmacy		
Subject Code	B P 2 0 3 T	Semester/Section	II		
Subject Name	Biochemistry	Room Number	E-106		
Signature of Candidate	Ak Gupta	Signature of Invigilator	Gupta		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1			2	1																	3	4
CO2	2															3.5					5.5	7
CO3											1.5										10	10
CO4		2			2																4	4
CO5																3.5					3.5	5

Total Marks (In Words) : ..... Total Marks **26/30**

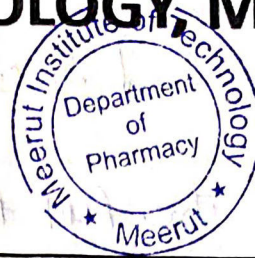
REMARK(s)	Signature of the examiner:	
	Evaluated Answer Sheet is seen. Signature of Examinee:	Ak Gupta

# MEERUT INSTITUTE OF TECHNOLOGY MEERUT

MEERUT  
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E-107  
II Sem - 19

## ANSWER BOOKLET



**A**  
8 pages

### INSTRUCTIONS FOR STUDENT

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Session 20.2.2023 - 20.2.2023

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	20-06-2023	Day	Saturday.
Shift	2nd	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Pankaj Gupta	Roll Number	2202920500033		
Father's Name	Daya Shankar Gupta	Branch (if any)	B. Pharm		
Subject Code	B P 20 5 7	Semester/Section	II	BC	
Subject Name	computer application	Room Number	E-107		
Signature of Candidate	Pankaj Gupta	Signature of Invigilator			

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2	2		1	0																5	08
CO2			2								7					4					13	17
CO3																	1				1	05
CO4																						
CO5																						

Total Marks (In Words) : .....

Total Marks

REMARK(s)

Signature of the examiner:

Evaluated Answer Sheet is seen.  
Signature of Examinee:

Pankaj Gupta

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

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## ANSWER BOOKLET



**A+B+C+D**  
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Session 20...22... - 20...23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	08/07/23	Day	Saturday
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	AYUSH RAJ	Roll Number	2802920500015		
Father's Name	MANISH KUMAR	Branch (if any)	B.Pharm.		
Subject Code	BP20GT	Semester/Section	2nd		
Subject Name	E.V.S	Room Number	E-106		
Signature of Candidate	Ayush	Signature of Invigilator			

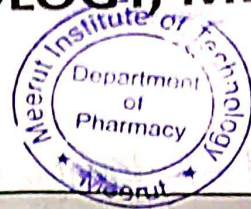
### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
C01	2	2																		4	00	17
C02			2	2	2						10										00	00
C03					2	2	2	2										04	05		09	10
C04																					12	12
C05										2	10											
Total Marks (In Words) :.....															Total Marks					53		
REMARK(s)															Signature of the examiner:							
															Evaluated Answer Sheet is seen.							
															Signature of Examinee:							

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- Do not tear off any page from the answer book.

Session 20...22... - 20...22...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / <input checked="" type="checkbox"/> PUT	Date	08/7/2023	Day	Saturday
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Priya Singh	Roll Number	2202920500036		
Father's Name	Ratish Kumar Singh	Branch (if any)	B.Pharm		
Subject Code	B P 206T	Semester/Section	2nd		
Subject Name	EVS	Room Number	C-107		
Signature of Candidate	<i>Priya Singh</i>	Signature of Invigilator	<i>[Signature]</i>		

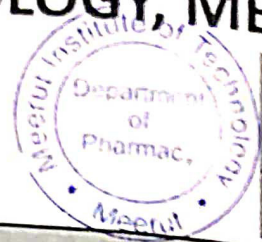
### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2	2																		08	12	14
CO2			2	2	2						10										16	16
CO3						2	2	2	2												08	08
CO4																		05	05		10	10
CO5										2	10										12	12
Total Marks (In Words) : (5) .....															Total Marks					58		
REMARK(s)															Signature of the examiner:					<i>[Signature]</i>		
															Evaluated Answer Sheet is seen.					<i>[Signature]</i>		
															Signature of Examinee:					<i>[Signature]</i>		

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

MEERUT  
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## ANSWER BOOKLET



**A**  
8 pages

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
- Follow the instructions given on question paper carefully.
- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22 - 20...23

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT <input checked="" type="checkbox"/>	Date	07/07/23	Day											
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.												
Student's Name	AKASH KR. GUPTA	Roll Number	2	2	0	2	9	2	0	5	0	0	0	0	4
Father's Name	VINOD KR. GUPTA	Branch (if any)	Pharmacy												
Subject Code	B   P   2   0   1   P	Semester/Section	II												
Subject Name	HAP - II		Room Number	E-106											
Signature of Candidate	A Gupta		Signature of Invigilator	[Signature]											

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2		2		1			2	1	2	9	9						7	5		40	46
CO2		2					2													5	9	11
CO3				1		2									6	5					14	18
CO4																						
CO5																						

Total Marks (In Words) : ..... Total Marks **63**

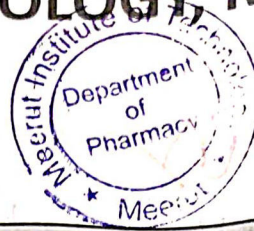
REMARK(S)	Signature of the examiner:	[Signature]
	Evaluated Answer Sheet is seen. Signature of Examinee:	[Signature]

Handwritten notes at the bottom of the page.

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## ANSWER BOOKLET



**A**  
8 pages

### INSTRUCTIONS FOR STUDENT

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Session 20..22 - 20.23..

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	15/05/23	Day	Monday
Shift	2nd	Course (✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Vijay Prasad	Roll Number	2110390500056		
Father's Name	Rajendra Prasad	Branch (if any)	Pharmacy		
Subject Code	B P 4 0 2 T	Semester/Section	4th		
Subject Name	Med. Chem - I	Room Number	E-108		
Signature of Candidate	Vijay	Signature of Invigilator	Haseem		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	0	5									0	3				0	3				11	
CO2	0	2																			02	
CO3	0	1														0	4				05	
CO4																					00	
CO5																					00	

Total Marks (In Words) : ..... Eighteen ..... Total Marks 18

REMARK(s)

Signature of the examiner:

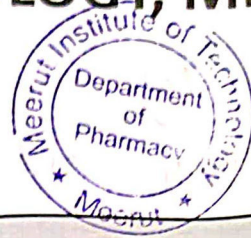
Evaluated Answer Sheet is seen.  
Signature of Examinee:

*(Signature)*  
*(Signature)*  
Vijay

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## ANSWER BOOKLET



**A**

8 pages

### INSTRUCTIONS FOR STUDENT

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- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22 - 20...23.

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	15/5/23	Day	Monday
Shift	2nd	Course(✓)	B. Tech./B. Voc./B. Pharm./D. Pharm.		
Student's Name	Karan Kumar	Roll Number	211034050002		
Father's Name	DILIP Kumar	Branch (if any)	Pharmacy		
Subject Code	BD-402T	Semester/Section	4th		
Subject Name	Medicinal Chemistry-1	Room Number	E-106		
Signature of Candidate	<i>Karan Kumar</i>	Signature of Invigilator	<i>Anil</i>		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	0	6									0	7				0	4				17	
CO2	0	1																			01	
CO3	0	2														0	4				06	
CO4																					00	
CO5																					00	

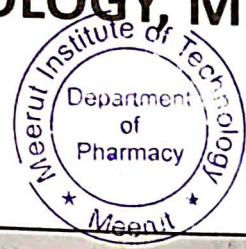
Total Marks (In Words) : Twenty four Total Marks 24

REMARK(s)	Signature of the examiner:	<i>Anil</i>
	Evaluated Answer Sheet is seen. Signature of Examinee:	<i>Karan Kumar</i>

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

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E106 - 17



**A**  
8 pages

## ANSWER BOOKLET

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
- Follow the instructions given on question paper carefully.
- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22... - 20...23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	15/05/23	Day	Monday
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Chandan ks Gupta	Roll Number	2110340500013		
Father's Name	Mr. Jitnath Gupta	Branch (if any)	Pharmacy		
Subject Code	B P 4 0 1 7	Semester/Section	IV		
Subject Name	Pharm. org. chem - III	Room Number	E-106		
Signature of Candidate	Chandan ks Gupta	Signature of Invigilator	[Signature]		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	1	1									6					3	1				17	19
CO2																					12	-
CO3																						-
CO4		2	1	1							6					3	1				7	11
CO5																					8	-

Total Marks (In Words) : ..... Total Marks **18/30**  
 = 20

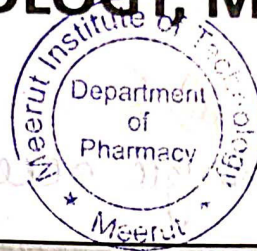
REMARK(s)	Signature of the examiner:	[Signature]
	Evaluated Answer Sheet is seen. Signature of Examinee:	Chandan ks Gupta



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## ANSWER BOOKLET



**A**  
8 pages

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
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- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 2022... - 2023...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	22/06/23	Day	Thursday
Shift	2nd	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Raakib Islam Mondal	Roll Number	211034050008		
Father's Name	Rafiqul Islam Mondal	Branch (if any)	B. Pharma		
Subject Code	B P 4 0 2 T	Semester/Section	IV		
Subject Name	Medicinal Chemistry	Room Number	E-107		
Signature of Candidate	<i>[Signature]</i>	Signature of Invigilator	<i>[Signature]</i> 22/6/23		

### FOR THE USE OF EXAMINER

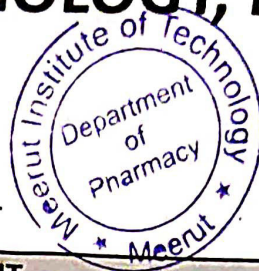
COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	3	5									0	7									10.5	
CO2	0	2																			02	
CO3	3																				03	
CO4																0	4				04	
CO5																0	4				04	

Total Marks (In Words) : Twenty four Total Marks 24

REMARK(s)	Signature of the examiner:	<i>[Signature]</i>
	Evaluated Answer Sheet is seen. Signature of Examinee:	<i>[Signature]</i>

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

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**A**  
8 pages

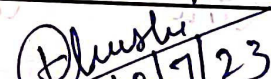
## ANSWER BOOKLET

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
- Follow the instructions given on question paper carefully.
- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22... - 20...23...

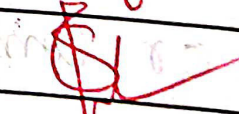
### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	18/7/23	Day	Tuesday
Shift	I	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Aaditya	Roll Number	2110340500001		
Father's Name	Mr. Servender	Branch (if any)	Pharmacy		
Subject Code	BP404T	Semester/Section	IV		
Subject Name	Pharmacology	Room Number	E-106		
Signature of Candidate		Signature of Invigilator	 18/7/23		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total		
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max	
CO1	1															5	4						
CO2		0		2							5											10	
CO3							2	2												6	4	18	
CO4			2		2	2									10							4	
CO5									2												6	24	
																						2	

Total Marks (In Words) : fifty eight Total Marks : 58

REMARK(s)	Signature of the examiner:	
	Evaluated Answer Sheet is seen. Signature of Examinee:	<u>Aaditya</u>

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## ANSWER BOOKLET



**A**

8 pages

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
- Follow the instructions given on question paper carefully.
- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22... - 20...23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	18/07/23	Day	Tuesday
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Rakib Islam Mondal	Roll Number	21110340500036		
Father's Name	Rakibul Islam Mondal	Branch (if any)	B. Pharma		
Subject Code	BP404T	Semester/Section	IV		
Subject Name	pharmacology	Room Number	E-107		
Signature of Candidate	<i>[Signature]</i>	Signature of Invigilator	<i>[Signature]</i> 18/07/23		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2															5	5					12
CO2		2		2							8								5	4		21
CO3							2	2														4
CO4		2			2	2				2	10										55	28
CO5									2													2

Total Marks (In Words) : Sixty seven

Total Marks

67

REMARK(s)

Signature of the examiner:

*[Signature]*

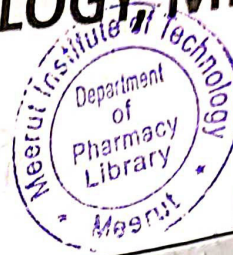
Evaluated Answer Sheet is seen.  
Signature of Examinee:

*[Signature]*

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

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**T**ECHNOLOGY

## ANSWER BOOKLET



**A**  
8 pages

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
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- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22...-20...23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date - 3- June-2023	Day - Saturday
Shift	1st	Course (✓)	B. Tech./B. Voc./B. Pharm./D. Pharm.
Student's Name	Pragati Kushwaha	Roll Number	2010390500029
Father's Name	Mr. Rakesh Kushwaha	Branch (if any)	Pharmacy
Subject Code	BP 605T	Semester/Section	Vth
Subject Name	Pharm. Biotechnology	Room Number	E-401
Signature of Candidate	Pragati	Signature of Invigilator	Gupta

### FOR THE USE OF EXAMINER

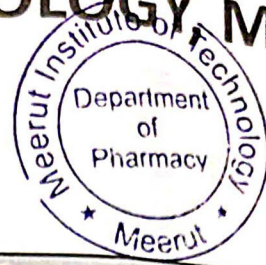
COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2	2								9											13	14
CO2																					6	6
CO3			2	2	2										5						5	5
CO4																		5			5	5
CO5																						
Total Marks															29/30							

Total Marks (In Words) : Twenty nine

REMARK(s):  
Signature of the examiner: [Signature]  
Evaluated Answer Sheet is seen.  
Signature of Examinee: Pragati

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**A**  
8 pages

## ANSWER BOOKLET

### INSTRUCTIONS FOR STUDENT

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- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22..... - 20...23.....

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	15/5/23	Day	Monday									
Shift	morning / I <sup>st</sup>	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.											
Student's Name	Harshit Jha	Roll Number	2	0	1	0	3	4	0	5	0	0	0	11
Father's Name	Shrawan Jha	Branch (if any)	B. Pharma											
Subject Code	B P 6 0 1 T	Semester/Section	6 <sup>th</sup>											
Subject Name	Medicinal chemistry - III	Room Number	E-106											
Signature of Candidate	Harshit	Signature of Invigilator												

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1			2	2																	04	
CO2	1.5	2		2														4.5			10.8	
CO3																						
CO4																3					03	
CO5											6										06	

Total Marks (In Words) : ..... Twenty one .....

Total Marks

21  
Ct. Harshit

REMARK(s)

Signature of the examiner:

Ct. Harshit

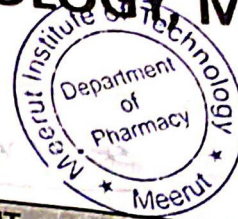
Evaluated Answer Sheet is seen.  
Signature of Examinee:

Harshit

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## ANSWER BOOKLET



**A**  
8 pages

### INSTRUCTIONS FOR STUDENT

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- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20<sup>22</sup> - 20<sup>23</sup>

### TO BE FILLED BY STUDENT

Examination (tick)	<input checked="" type="checkbox"/> Sessional / PUT	Date	17/may/23	Day	wednesday										
Shift	III <sup>rd</sup>	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.												
Student's Name	Ilyash Saifi	Roll Number	2	0	1	0	3	4	0	5	0	0	0	1	4
Father's Name	Alauddin Saifi	Branch (if any)	B Pharma												
Subject Code	B P 6 0 6 T	Semester/Section	6 <sup>th</sup>												
Subject Name	ph-quality assurance	Room Number	E-106												
Signature of Candidate	Ilyash Saifi	Signature of Invigilator													

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	02																				02	02
CO2		01																05			06	07
CO3			02												10						12	12
CO4				02														05			07	07
CO5					02																02	02

Total Marks (In Words) : Twenty Nine Total Marks : 29

REMARK(s) <u>Good</u>	Signature of the examiner:	
	Evaluated Answer Sheet is seen. Signature of Examinee:	Ilyash Saifi

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

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A+B

## ANSWER BOOKLET



**A**  
8 pages

### INSTRUCTIONS FOR STUDENT

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- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20.22... - 20.23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	17/05/2023	Day	Wednesday
Shift	II <sup>nd</sup>	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Nishant Tyagi	Roll Number	201034050023		
Father's Name	Lalit Tyagi	Branch (if any)	Pharmacy		
Subject Code	B P 6 0 6 T	Semester/Section	VI <sup>th</sup>		
Subject Name	Quality Assurance	Room Number	E-107		
Signature of Candidate	Nishant Tyagi	Signature of Invigilator	Anil		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	02																				02	02
CO2		02															04				06	07
CO3			01												08						09	12
CO4				02															04		06	07
CO5					01																01	02

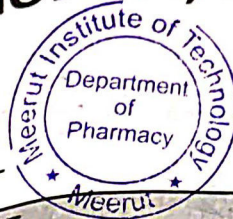
Total Marks (In Words) : Twenty Four Total Marks 24

REMARK(s)	Signature of the examiner:	
<u>Good.</u>	Evaluated Answer Sheet is seen. Signature of Examinee:	<u>Nishant Tyagi</u>

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

**M**EEERUT  
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**T**ECHNOLOGY

## ANSWER BOOKLET



**A**  
8 pages

INSTRUCTIONS FOR STUDENT	
<ul style="list-style-type: none"> <li>● Fill all entries carefully.</li> <li>● Follow the instructions given on question paper carefully.</li> <li>● Write on both the sides of the answer sheet.</li> <li>● Record the attendance carefully.</li> <li>● Do not tear off any page from the answer book.</li> </ul>	Session 20...2...2 - 20...2...3.

TO BE FILLED BY STUDENT			
Examination (tick)	Sessional / PUT	Date- 19/Jan	Day Thursday
Shift	Ist	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.
Student's Name	Pragati Kushwaha	Roll Number	201034050002
Father's Name	Mr. Parkesh Kushwaha	Branch (if any)	Pharmacy
Subject Code	B P 5 0 4 T	Semester/Section	vth
Subject Name	Pharmacognosy-II	Room Number	E-408
Signature of Candidate	Pragati	Signature of Invigilator	

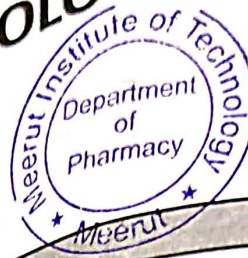
COs	FOR THE USE OF EXAMINER															Total						
	Section-A					Section-B					Section-C					Obtained	Max					
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5		
CO1	2		2		2	2				2									6	6	10	10
CO2							2														14	16
CO3											8	8								6	22	27
CO4				2					2							5	6				15	18
CO5	2								2												09	04
Total Marks (In Words) : ..... <u>Sixty Five</u> .....															Total Marks					65		

REMARK(s)	Signature of the examiner:	
	Evaluated Answer Sheet is seen. Signature of Examinee:	Pragati



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**A**  
8 pages

## ANSWER BOOKLET

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
- Follow the instructions given on question paper carefully.
- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20.23... - 20.23....

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	19/01/23	Day	Thursday
Shift	1 <sup>st</sup>	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Sneha Sharma	Roll Number	2010340500032		
Father's Name	Mr. Suresh Sharma	Branch (if any)	B. Pharm		
Subject Code	B P S O Y T	Semester/Section	V <sup>th</sup> Sem		
Subject Name	Pharmacology - II	Room Number	E-408		
Signature of Candidate		Signature of Invigilator			

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2	2	2	2	2				2												10	10
CO2					2													5	5		12	16
CO3											2	2								5	27	27
CO4		2							2							2	2				16	18
CO5	2																				0.4	0.4

Total Marks (In Words) : ~~Sixty four~~ ~~fourty three~~

Total Marks

~~71~~ ~~71~~

REMARK(s)

Severely ill

Signature of the examiner:

Evaluated Answer Sheet is seen.  
Signature of Examinee:

Sneha

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

**M**EEERUT  
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**T**ECHNOLOGY

## ANSWER BOOKLET



**A**  
8 pages

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
- Follow the instructions given on question paper carefully.
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- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22 - 20...23..

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	20/2/23	Day	Monday.
Shift	1 <sup>st</sup>	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Jatin chaudhary	Roll Number			
Father's Name	Mr. Rakesh Kumar	Branch (if any)	D' Pharmacy.		
Subject Code	E R 2 0 1 1 T	Semester/Section	1 <sup>st</sup> Year.		
Subject Name	Pharmaceutics	Room Number	E-106		
Signature of Candidate	Jatin.	Signature of Invigilator	Jugendra 20/2/23		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	1		1	1	1	0		1	0												05	07
CO2		1													4					4	09	11
CO3							1			1										4	06	07
CO4														2	2						09	06
CO5											3	2	2								07	09

Total Marks (In Words) : Thirty One Total Marks 31

REMARK(s)	Signature of the examiner:	<u>Hanant</u>
	Evaluated Answer Sheet is seen. Signature of Examinee:	<u>Jatin</u>

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- Record the attendance carefully.
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Session 20...2...2 - 20...23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	20/2/23	Day	Monday
Shift		Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Vishal Malik	Roll Number			
Father's Name	Mr. Ombeer Singh	Branch (if any)			
Subject Code	ER2011T	Semester/Section			
Subject Name	Pharmaceutics	Room Number	E-401		
Signature of Candidate	<i>V. Malik</i>	Signature of Invigilator	<i>Sagar</i>		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	1		1	1	1			1	1												07	07
CO2	1															4	4				09	11
CO3									0								4				05	07
CO4													2	2							04	06
CO5											2	2	3								07	09

Total Marks (In Words) : Thirty Two Total Marks 32

REMARK(s)	Signature of the examiner:	<i>Halawa</i>
	Evaluated Answer Sheet is seen. Signature of Examinee:	<i>V. Malik</i>

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Session 20.22 - 20.23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	20-02-023	Day	
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Vikash Kumar	Roll Number			
Father's Name	Ramnath sharma	Branch (if any)			
Subject Code	ER2011T	Semester/Section			
Subject Name	Pharmaceutics	Room Number	E-401		
Signature of Candidate	Vikash Kumar	Signature of Invigilator	Sagar		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	1		1	1	0	0	1	1													05	07
CO2		0														4	4				08	11
CO3							1			0										4	05	07
CO4															2						02	06
CO5											2	2	2								06	09

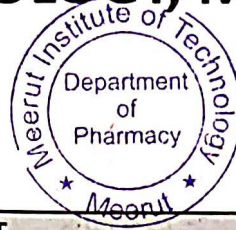
Total Marks (In Words) : Twenty Six Total Marks 26

REMARK(s)	Signature of the examiner:	<u>Haranath</u>
	Evaluated Answer Sheet is seen. Signature of Examinee:	<u>Vikash Kumar</u>

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- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22 - 20...23

### TO BE FILLED BY STUDENT

Examination (tick)	<input checked="" type="checkbox"/> Sessional / PUT	Date	21/2/23	Day	Thursday
Shift	I First	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Kunjan Sharma	Roll Number			
Father's Name	Ram Prakash Sharma	Branch (if any)	D. Pharm I		
Subject Code		Semester/Section	Sessional		
Subject Name	Chemistry	Room Number	106		
Signature of Candidate	Kunjan	Signature of Invigilator	[Signature] 21/2/23		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	0	3																			03	
CO2	0	7									0	3				0	5				09	
CO3	0	7														0	7				08	
CO4																					00	
CO5											1	4									14	

Total Marks (In Words) : Thirty four Total Marks : 34

REMARK(s)	Signature of the examiner:	[Signature]
	Evaluated Answer Sheet is seen. Signature of Examinee:	Kunjan Sharma

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- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...23... - 20...24...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	21/2/23	Day	Tuesday
Shift	I <sup>st</sup>	Course (✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	MUHAMMAD SHAHAR	Roll Number			
Father's Name	MUHAMMAD SHOKIN	Branch (if any)	Pharmacy		
Subject Code	ER2072T	Semester/Section	3 <sup>rd</sup> Sessional		
Subject Name	Chemistry	Room Number	E-107		
Signature of Candidate	Shahar	Signature of Invigilator	Amal 21/02/23		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	0	3																			03	
CO2	0	2																			06	
CO3	0	1														0	4				09	
CO4																			8		00	
CO5																0	9				09	

Total Marks (In Words) : Twenty seven

Total Marks

27

REMARK(s)

Signature of the examiner: *(Signature)*

Evaluated Answer Sheet is seen. Signature of Examinee: *Sahar*

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- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...22- 2023....

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	21/02/22	Day	Tuesday
Shift		Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	PRIYANSHU RUHELA	Roll Number			
Father's Name	MR. ANJI RUHELA	Branch (if any)			
Subject Code		Semester/Section	D.Pharm. Ist		
Subject Name	Practical chemistry	Room Number			
Signature of Candidate		Signature of Invigilator			

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	0	3																			03	
CO2	0	2									0	3				0	4				09	
CO3	0	1														0	7				08	
CO4																					00	
CO5											0	9									09	
Total Marks (In Words) :..... <i>Twenty Nine</i> .....															Total Marks					29		
REMARK(S)															Signature of the examiner:							
															Evaluated Answer Sheet is seen.					Signature of Examinee:		

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**A**

8 pages

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- Follow the instructions given on question paper carefully.
- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...23... - 20...23...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	22-02-23	Day	Wednesday
Shift	1st	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	ANKOR	Roll Number			
Father's Name	Mr. HARIOM	Branch (if any)	PHARMACY		
Subject Code	ER 20-23 T	Semester/Section	II YEARS	'A'	
Subject Name	Bio-chemistry	Room Number	E-106		
Signature of Candidate	Ankur	Signature of Invigilator			

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	1	1	1	1			1				3	3	3			4	4				20	22
CO2				1	1			1													03	03
CO3		1	1					1						3	2						08	09
CO4									0									3			03	06
CO5																						

Total Marks (In Words) : thirty five Total Marks **35** / 40

REMARK(s)	Signature of the examiner:	
<u>Good</u>	Evaluated Answer Sheet is seen.	
	Signature of Examinee:	



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E 107-15  
ANSWER BOOKLET



**A**  
8 pages

### INSTRUCTIONS FOR STUDENT

- Fill all entries carefully.
- Follow the instructions given on question paper carefully.
- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20...2... - 20...2...3.

### TO BE FILLED BY STUDENT

Examination (tick)	<input checked="" type="checkbox"/> Sessional / PUT	Date	22/02/2023	Day	Wednesday
Shift		Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Manveer	Roll Number	22224100028		
Father's Name	Lalman	Branch (if any)	Pharmacy		
Subject Code		Semester/Section	II <sup>nd</sup> year	A	
Subject Name	Biochemistry	Room Number	E-107		
Signature of Candidate	Manveer	Signature of Invigilator			

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	1						1				3	3				5	5				18	22
CO2					1	1			1												03	03
CO3		1	1					1						3	3						09	09
CO4									1										2		03	06
CO5																						

Total Marks (In Words) : Thirty three Total Marks **33 / 40**

REMARK(s)	Signature of the examiner:	
	Evaluated Answer Sheet is seen. Signature of Examinee:	Manveer

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## ANSWER BOOKLET



**A**  
8 pages

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- Follow the instructions given on question paper carefully.
- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 2023.. - 2024...

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	25/02/23	Day	Saturday
Shift	Morning	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Rane	Roll Number			
Father's Name	Mr. Sunil	Branch (if any)	Pharmacy		
Subject Code	ER2026T	Semester/Section	D. Pharm	IInd year	
Subject Name	Pharmacy Law	Room Number	E-107		
Signature of Candidate	Rane	Signature of Invigilator	A. K. Singh		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total Obtained	Max
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5		
CO1				1	1	1					3	3	3								3	3
CO2	1						1									4	4				10	12
CO3							1	1					3	3							7	7
CO4			1																	3	5	7
CO5	1									1												
Total Marks (In Words) : <u>Thirty Six</u>												Total Marks					36/40					
REMARK(s)												Signature of the examiner:					A					
Keep it up.												Evaluated Answer Sheet is seen:					Rane					
												Signature of Examinee:										

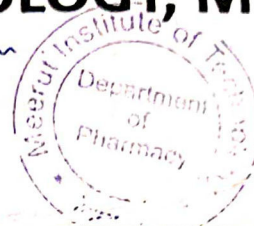
PBT - 12/06/23

# MEERUT INSTITUTE OF TECHNOLOGY, MEERUT

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37

E-401 D.Ph. II Year



**A**  
8 pages

## ANSWER BOOKLET

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- Write on both the sides of the answer sheet.
- Record the attendance carefully.
- Do not tear off any page from the answer book.

Session 20.21..... - 20.22.....

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	12/6/23	Day	Monday
Shift	Morning	Course (✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Shouib Saifi	Roll Number	32		
Father's Name	Moinuddin Saifi	Branch (if any)	Pharmacy		
Subject Code	E R 2 0 2 4 T	Semester/Section	II year		
Subject Name	Pharmaceutical	Room Number	E - 401		
Signature of Candidate	Shouib Saifi	Signature of Invigilator	[Signature]		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1				18							7								8		28	
CO2											6					7.5					12.5	
CO3											4.5					10					14.5	
CO4											6					5.5					11.5	
CO5																						

Total Marks (In Words) : ..... Total Marks **66.5**

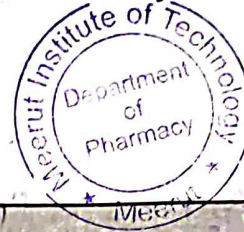
REMARK(s)	Signature of the examiner:	[Signature]
	Evaluated Answer Sheet is seen. Signature of Examinee:	Shouib

Excellent

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- Do not tear off any page from the answer book.

Session 20.22 - 20.23..

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / PUT	Date	12/6/23	Day	Tuesday
Shift	-	Course(✓)	B. Tech./B. Voc./B.Pharm./D.Pharm.		
Student's Name	Pankaj Kumar Shrivastava	Roll Number	318		
Father's Name	Sachin Shrivastava	Branch (if any)	Department of pharmacy		
Subject Code	ET2024T	Semester/Section	T		
Subject Name	Pharmaceuticals	Room Number	E-401		
Signature of Candidate	<i>Pankaj</i>	Signature of Invigilator	<i>[Signature]</i>		

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1				1.5							1.5					1.5					20.5	
CO2											1.5					1.5					14	
CO3											1.5					1.5					14	
CO4											1.5	1.5									7.5	
CO5																						

Total Marks (In Words) : .....

Total Marks

56

REMARK(S)

Signature of the examiner:

*[Signature]*

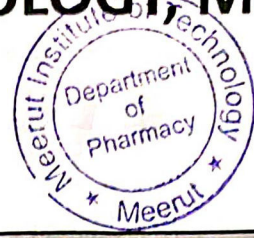
Evaluated Answer Sheet is seen.  
Signature of Examinee:

*Pankaj*

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**A**

8 pages

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- Do not tear off any page from the answer book.

Session 20.22. - 20.23..

### TO BE FILLED BY STUDENT

Examination (tick)	Sessional / <input checked="" type="checkbox"/> PUT	Date	14/06/23	Day	Wednesday
Shift	I ST	Course(✓)	B. Tech./B. Voc./B.Pharm./ <input checked="" type="checkbox"/> D.Pharm.		
Student's Name	ABHISHEK KUMAR	Roll Number	0004		
Father's Name	RAM VINAY RAM	Branch (if any)	Pharmacy		
Subject Code	ER 2026 T	Semester/Section	end year		
Subject Name	Pharmacy Law & F	Room Number	E-401		
Signature of Candidate	Abhishek Kumar	Signature of Invigilator			

### FOR THE USE OF EXAMINER

COs	Section-A										Section-B					Section-C					Total	
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	1	2	3	4	5	Obtained	Max
CO1	2				2		2						00								06	12
CO2		2					2				23				30						19	26
CO3			2						2												04	04
CO4	0				0			0											32		14	22
CO5																		32			14	16

Total Marks (In Words) : ..... Fifty Seven ..... Total Marks 57/80

REMARK(s)	Signature of the examiner:	
2 - 2023/24	Evaluated Answer Sheet is seen. Signature of Examinee:	