

#### 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.)

( $1 \times 5 = 5$ )

Q. No.	Question	Level of Taxonomy Taxonomy Understand CO1 Understand CO1	
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	
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.)  $(5\times3=15)$ 

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Q. No.	Question Lev		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	Understand	CO1		
	Economy.				
13	Mention various types of Services and differentiate	Understand	CO1		
	between product and services.				

#### 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: 11/2 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	DefineCommunication	(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)

## $\frac{\text{Section} - B}{\text{(This section contains 3 questions, you are required to attempt any 2 questions each carrying 2.5}}$ $\frac{\text{Marks}}{\text{(Answer in 100-150 words)}}$

Q.NO	QUESTION	Course	
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
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?	(001)
12	What are the advantages and disadvantages of Oral Communication?	(001)
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. Time Allowed: 2<sup>1/2</sup> Hours

#### COMPANY LAW

Subject code: C010301Ti 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	
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 (PC). 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: 11/2 Hours

Maximum Marks: 25

(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 Remember	
1	What do you mean by shortworking?	CO1		
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 Lesse Premium	CO1	Remember	

(2.5x2 = 5)Section - B (This section contains 3 questions, you are required to attempt any 2 questions each carrying 2.5marks) (Answer in 100-150 words)

QUESTION  Differentiate between Royalty and Rent.						Course outcome	Taxonomy
						CO1	Understand
ton. The minir	num rent wa nd ₹ 25,000 need out of e	per year to	t 15,000 in hereafter. A yalty of new last follows:	first year, Any year s at three yea	20,000 for hortworking rs only. The		
Year Production	2017-18 750	1,000	2019-20 1,700	2020-21 3,000	3,200		
Prepare the Analytical Table.  Discuss the items that do not appear in the Branch Account.			CO2	Remember			
	Bengal Mining ton. The mining second year a could be recom- production dur Year Production	Bengal Mining Company ton. The minimum rent wa second year and ₹ 25,000 could be recouped out of e production during the five Year 2017-18 Production 750 Prepare the Analytical Tab	Differentiate between Royalty and Re Bengal Mining Company took a min- ton. The minimum rent was fixed at a second year and ₹ 25,000 per year toould be recouped out of excess of ro production during the five years was a Year 2017-18 2018-19 Production 750 1,000  Prepare the Analytical Table.	Differentiate between Royalty and Rent.  Bengal Mining Company took a mine on lease at ton. The minimum rent was fixed at ₹ 15,000 in second year and ₹ 25,000 per year thereafter. A could be recouped out of excess of royalty of new production during the five years was as follows:  Year 2017-18 2018-19 2019-20  Production 750 1,000 1,700  Prepare the Analytical Table.	Differentiate between Royalty and Rent.  Bengal Mining Company took a mine on lease at a royalty ton. The minimum rent was fixed at ₹ 15,000 in first year, second year and ₹ 25,000 per year thereafter. Any year should be recouped out of excess of royalty of next three year production during the five years was as follows:  Year 2017-18 2018-19 2019-20 2020-21  Production 750 1,000 1,700 3,000  Prepare the Analytical Table.	Differentiate between Royalty and Rent.  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:  Year 2017-18 2018-19 2019-20 2020-21 2021-22 Production 750 1,000 1,700 3,000 3,200  Preparer the Analytical Table.	Differentiate between Royalty and Rent.  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:  Year 2017-18 2018-19 2019-20 2020-21 2021-22 Production 750 1,000 1,700 3,000 3,200  Preparer the Analytical Table.

 $\frac{Section - C}{(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5 marks)} (Answer in 200-300 words)$ 

Q.NO.	QUESTION	Course outcome	Taxonom
9	What do you mean by Royalty? Discuss its different types.	CO1	Remembe
10	A trading firm has a retail branch, which is supplied goods from Head Office and which keeps it sown 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 st March, 2022:  **(*000*)* Six months credit sales 2,485 Cash Sales 1,460 Returns inward 30 Cash received from debtors 2,387 Debtors 1st Oct, 2021 1,345 Stock 1st Oct, 2021 840  **(*000*)* Stock 31 st March, 2022 1,280 Goods received from Head Office 2,276 Bad debtors at the branch 65 Wages and sundry expenses 415 Rent, rates and taxes 402	CO2	Apply
11	What is meant by branch accounts? Explain the different types of branches.	CO2	Remember
12	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:    Year   2017-18   2018-19   2019-20   2020-21   2021-22   Production   2,000   4,000   5,000   7,000   10,000     Prepare Royalty A/c, Shortworking A/c, Minimum Rent A/c and Landlord A/c in the books of X Co. Ltd.	CO1	Apply
13	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:  **Topening balances:*  Stock (at invoice price) 11,000 Debtors 1,700 Petty cash 100 Goods supplied to branch (at invoice price) 20,000 Expenses made by H.O.: Rent 600 Wages 200  Event a braid branch at Bhilai Nagar. Goods are sent by the Head Office:  **Remittances made to H.O.: Cash sales 2,650 Cash collected from debtors 21,000 Goods returned by branch (at invoice price) 400 Balance at the end: Stock (at invoice price) 13,000 Debtors 2,000 Petty cash 25	CO2	Apply

#### **Department of Pharmacy**

B. Pharm. 1st Year, 1st 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

	Section-A		[5X2=10 Marks]
Q1.	Attempt ALL questions.	CO	KL
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
е	Outline the example of positive feedback mechanism.	CO2	UNERSTANDING
	Section-B		[1X10=10 Marks]
	Outline the structure of cell and its functions.		
Q2.	OR	CO1	UNERSTANDING
	Classify tissues and their functions.		
	Section-C		[2X5=10 Marks]
Q3.	Attempt ALL questions.		
a.	Illustrate the passive transport mechanism across cell membrane.  OR  Summarize the Mitosis process in cell division.	CO3	UNERSTANDING
b.	Explain the various body systems of human body.  OR  Summarize scope of anatomy and Physiology of human body.	CO2	UNERSTANDING

#### **MEERUT INSTITUTE OF TECHNOLOGY**

#### **Department of Pharmacy**

B. Pharm. 1st Year, 1st 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

	Section-A		[5X2=10 Marks]
Q1.	Attempt ALL questions.	CO	KL
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
е	Outline the example of positive feedback mechanism.	CO2	UNERSTANDING
	Section-B		[1X10=10 Marks]
Q2.	Outline the structure of cell and its functions.  OR  Classify tissues and their functions.	CO1	UNERSTANDING
	Section-C		[2X5=10 Marks]
Q3.	Attempt ALL questions.		
a.	Illustrate the passive transport mechanism across cell membrane.  OR  Summarize the Mitosis process in cell division.	CO3	UNERSTANDING
b.	OR Summarize scope of anatomy and Physiology of human body.	CO2	UNERSTANDING

#### 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

NU	<b>NOTE:</b> Attempt <i>ALL</i> sections. If require any missing data; then choose suitably				
	Section-A		[5X2=10 Marks]		
Not	e: Attempt <i>ALL</i> questions.	CO	KL		
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		
	Section-B	[	1X10=10 Marks]		
1.	Outline important functions served by chloride, sodium and calcium ions.  OR  Give method of preparation, properties, assay, uses and storage condition of Sodium Chloride.	CO2	Understanding		
	Section-C		[2X5=10 Marks]		
Not	e: Attempt <i>ALL</i> questions.	CO	KL		
1.	Explain various method of adjusting isotonicity  OR  Explain various method for measurement of isotonicity	CO4	Apply		
2.	Explain in detail about bronsted - lowry acid base theory.  OR  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

110	<b>NOTE:</b> Attempt <i>ALL</i> sections. If require any missing data; then choose suitably				
	Section-A		[5X2=10 Marks]		
Not	te: Attempt <i>ALL</i> questions.	CO	KL		
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		
	Section-B	[	1X10=10 Marks]		
1.	Outline important functions served by chloride, sodium and calcium ions.  OR  Give method of preparation, properties, assay, uses and storage condition of Sodium Chloride.	CO2	Understanding		
	Section-C		[2X5=10 Marks]		
Not	te: Attempt <i>ALL</i> questions.	CO	KL		
1.	Explain various method of adjusting isotonicity  OR  Explain various method for measurement of isotonicity	CO4	Apply		
2.	Explain in detail about bronsted - lowry acid base theory.  OR  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

NC	OTE: Attempt ALL sections. If require any missing data; then	choose	e suitably
	Section-A	[10	X2=20 Marks]
No	te: 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
No	te: Attempt ALL questions.	CO	X10=20 Marks] KL
<b>No</b> :	te: Attempt <u>ALL</u> questions.  Demonstrate the procedure with their application, advantage & disadvantage of TEM.  OR  Explain the morphology and classification of bacteria with	CO1	KL Understanding
2.	arrangement.  Determine the method for microbial standardization of Vitamin B12 or Streptomycin.  OR  Explain the methods of sterilization and determine the role autoclave in sterilization.	CO5	Evaluating
	Section-C	[	5X7=35 Marks]
No	<b>te:</b> Attempt any <u>Two</u> of the following	CO	KL
1.	Choose the suitable preservatives to preserve the pharmaceutical products.  Select the applications of cell culture in pharmaceutical	CO2	Applying
2.	industry.		

3.	Identify the factors affecting microbial spoilage of pharmaceutical spoilage.		
No	te: Attempt any <u>Two</u> of the following		
4.	Examine the factors influencing disinfection	CO3	
5.	Classify disinfectant with their mode of action.		Analyzing
6.	Explain Rideal-Walker coefficient test.		
No	te: Attempt any <i>One</i> of the following		
7.	Measure the various air flow patterns in laminar flow cabinet.		
8.	Explain the design of aseptic area. Choose special precautions are to be kept before designing to reduce the risk of contamination.	CO4	Evaluating

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#### **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

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

Sub. Code: BP201T

## 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

NO	TE: Attempt all sections. If require any missing data; then	choose	suitably
	Section-A		$5 \times 2 = 10$
Note	e: Attempt all questions.	CO	KL
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
	Section-B		1 × 10 = 10
Note	e: Attempt any one question.		
1.	Explain the term of Endocrine System.		
2.	classify the Nervous System.	1	Understanding
	Section-C		$2\times 5=10$
Note	e: Attempt any one question.		
1.	Summerize the function of pineal gland.	1	understanding
2.	Demonstrate the properties of nerve fiber.		
Note	e: Attempt any one question.		
3.	Interpret the term hormones.	3	understanding
4.	Explain the term of Pituitary gland.		

Sub. Code: **BP201T** 

## 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

	Section-A		$5\times2=10$
Not	e: Attempt all questions.	CO	KL
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
	Section-B		1 × 10 = 10
Not	e: Attempt any one question.		
1.	Explain the term of Endocrine System.		Understanding
2.	classify the Nervous System.	1	
	Section-C		$2\times 5=10$
Not	e: Attempt any one question.		
1.	Summerize the function of pineal gland.	1	understanding
2.	Demonstrate the properties of nerve fiber.		
Not	e: Attempt any one question.		
3.	Interpret the term hormones.	3	understanding
4.	Explain the term of Pituitary gland.		

Sub. Code: BP202T

## 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

NO	<b>TE:</b> Attempt all sections. If require any missing data; then	choose	suitably
	Section-A		$5 \times 2 = 10$
Note	: Attempt all questions.	CO	KL
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
	Section-B		$1\times10=10$
Note	: Attempt any one question.		
1.	Classify organic compounds.		
2.	Explain E1 and E2 elimination reactions.	1	Understanding
	Section-C		$2\times 5=10$
Note	: Attempt any one question.		
1.	Illustrate the Mechanism of E1 reaction.	2	Understanding
2.	Explain Halogenation of alkanes.		Onderstanding
Note	: Attempt any one question.		
3.	Model the SP <sup>2</sup> hybridization in alkenes.	4	Applying
4.	Model the structural isomerism in organic compounds.		Applying

Sub. Code: BP202T

## 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

<b>NOTE:</b> Attempt all sections. If require any missing data; then choose suitably				
	Section-A		$5 \times 2 = 10$	
Note:	Attempt all questions.	CO	KL	
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	
	Section-B		$1\times10=10$	
Note:	Attempt any one question.			
1.	Classify organic compounds.			
2.	Explain E1 and E2 elimination reactions.	1	Understanding	
	Section-C		$2\times 5=10$	
Note:	Attempt any one question.			
1.	Illustrate the Mechanism of E1 reaction.	2	Understanding	
2.	Explain Halogenation of alkanes.		C	
Note:	Attempt any one question.			
3.	Model the SP <sup>2</sup> hybridization in alkenes.	4	Applying	
4.	Model the structural isomerism in organic compounds.		rippijiig	

#### **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

	Section-A		[5X2=10 Marks]
Q1.	Attempt ALL questions.	CO	KL
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
е	Demonstrate the structure and uses of Saccharin.	CO1	Understanding
	Section-B	[	1X10=10 Marks]
Q2.	Compare effect of substituent on orientation of monosubstituted benzene compounds towards electrophilic substitution reaction.  OR  Compare effect of substituent on reactivity of monosubstituted benzene compounds towards electrophilic substitution reaction.	CO5	Analyzing
	Section-C		[2X5=10 Marks]
Q3.	Attempt ALL questions.		
a.	Utilize Huckel's theory for aromatic character with suitable examples.  OR  Develop the acidic character of Phenol.	CO3	Applying
b.	Explain Friedal craft acylation reaction with its limitations.  OR  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)

Max. Marks: 30

NOTE: Attempt ALL sections.

Time: 90 Minutes

If require any missing data; then choose suitably				
	Section-A		[5X2=10 Marks]	
Q1.	Attempt ALL questions.	CO	KL	
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	
е	Demonstrate the structure and uses of Saccharin.	CO1	Understanding	
	Section-B	[	1X10=10 Marks]	
Q2.	Compare effect of substituent on orientation of monosubstituted benzene compounds towards electrophilic substitution reaction.  OR  Compare effect of substituent on reactivity of monosubstituted benzene compounds towards electrophilic substitution reaction.	CO5	Analyzing	
	Section-C		[2X5=10 Marks]	
Q3.	Attempt ALL questions.			
a.	Utilize Huckel's theory for aromatic character with suitable examples.  OR  Develop the acidic character of Phenol.	CO3	Applying	
b.	Explain Friedal craft acylation reaction with its limitations.  OR  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 PHAMACEUTICS I [BP302T]

Time: 3 Hours Max. Marks: 75

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

Section-A	[1	0X2=20 Marks
te: Attempt ALL questions in brief.	CO	KL
Explain HLB scale with suitable chart.	CO1	Understanding
Examine the method to determine the complexation.	CO5	Analyzing
Explain relative humidity with respect to pharmaceuticals.	CO2	Understanding
Illustrate the terms solvation and association.	CO1	Understanding
Identify Solubilization.	CO4	Applying
Outline the term Vapor pressure.	CO1	Understanding
Summarize the term binary solution with proper example.	CO2	Understanding
Illustrate surface tension and surface free energy.	CO1	Understanding
Analyze the Sorensen pH scale.	CO5	Analyzing
Illustrate the term real solution.	CO1	Understanding
Section-B	[2	2X10=20 Marks
te: Attempt <u>ALL</u> questions.	CO	KL
Explain Rault's law and its derivation with proper example.  OR	CO1	Understanding
Build Distribution Law with its applications and limitations.  OR	CO3	Understanding
	te: Attempt ALL questions in brief.  Explain HLB scale with suitable chart.  Examine the method to determine the complexation.  Explain relative humidity with respect to pharmaceuticals.  Illustrate the terms solvation and association.  Identify Solubilization.  Outline the term Vapor pressure.  Summarize the term binary solution with proper example.  Illustrate surface tension and surface free energy.  Analyze the Sorensen pH scale.  Illustrate the term real solution.  Section-B  te: Attempt ALL questions.  Explain Rault's law and its derivation with proper example.	te: Attempt ALL questions in brief.  Explain HLB scale with suitable chart.  Examine the method to determine the complexation.  Explain relative humidity with respect to pharmaceuticals.  CO2  Illustrate the terms solvation and association.  CO4  Outline the term Vapor pressure.  CO1  Summarize the term binary solution with proper example.  CO2  Illustrate surface tension and surface free energy.  CO1  Analyze the Sorensen pH scale.  CO5  Illustrate the term real solution.  CO1  Section-B  Explain Rault's law and its derivation with proper example.  OR  CO1  CO1  CO2  CO3  CO3  CO4  CO5  CO5  CO6  CO6  CO7  CO7  CO7  CO7  CO7  CO7

	Section-C	[:	5X7=35 Marks]		
No	<b>te:</b> Attempt any <u>Two</u> of the following	CO	KL		
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.				
No	<b>Note:</b> Attempt any <u>Two</u> 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.				
No	te: Attempt any <u>One</u> 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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#### **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

	Section-A		[5X2=10 Marks]
Q1.	Attempt ALL questions.	CO	KL
a.	Enlist three examples of β- 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
е	Illustrate Hemodynamics	CO1	Understanding
	Section-B	[	1X10=10 Marks]
Q2.	Inspect the mechanism of action of drugs used in the treatment of anti-arrythmia.  OR  Inspect the mechanism of action of drugs used in the treatment of anti-hypertension.	CO5	Analyze
	Section-C		[2X5=10 Marks]
Q3.	Attempt ALL questions.		
a.	Classify Antihyperlipidemic drugs.  OR  Classify Antianginal drugs.	СОЗ	Understanding
b.	Outline the risk factors, causes, sign and symptoms of congestive heart failure.  OR  Summarize hypertension and its risk factors, causes, sign and symptoms	СОЗ	Understanding

#### **MEERUT INSTITUTE OF TECHNOLOGY**

#### **Department of Pharmacy**

B. Pharm. 3rd Year, 5th 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

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

N(	<b>NOTE:</b> Attempt <i>ALL</i> sections. If require any missing data; then choose suitably				
	Section-A [10X2=20 Marks]				
No	te: 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	[2	X10=20 Marks]		
No	te: Attempt <u>ALL</u> questions.	CO	KL		
1.	Classify antiviral agents with suitable examples and give their structures.  OR  Classify antifungal agents with suitable examples and give their structures.	4	Analyzing		
2.	Explain the SAR on Tetracycline  OR  Explain the degradation and SAR of penicillin.	5	Evaluating		

	Section-C	[	5X7=35 Marks]
No	te: Attempt any <u>Two</u> of the following	CO	KL
1.	Classify anti Protozoal Agents with suitable examples and give their structures.	4	
2.	Classify Urinary tract anti-infective agents with suitable examples and give their structures.		Analyzing
3.	Classify Sulphonamides and Sulfones with suitable examples and give their structures.		
No	te: Attempt any <u>Two</u> of the following		
4.	Explain the Physicochemical parameters used in quantitative structure activity relationship (QSAR)		Evaluating
5.	Explain Concept and applications of combinatorial chemistry	5	
6.	Explain different types of prodrugs and formation of prodrug.		
No	te: Attempt any <u>One</u> 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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Sub. Code: BP602T

#### DEPARTMENT OF PHARMACY MEERUT INSTITUTE OF TECHNOLOGY **B. Pharm VI Sem**

#### **Second Sessional Examination 2022-23**

#### **Pharmacology**

Times 00 Minutes Total Maulas 20

Tım	e: 90 Minutes	Tot	tal Marks: 30
NO	<b>TE:</b> Attempt all sections. If require any missing data; then cl	noose s	suitably
	Section-A		$5 \times 2 = 10$
Note	: Attempt all questions.	CO	KL
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
	Section-B		$1 \times 10 = 10$
Note	: Attempt any one question.		
1.	Explain the term of general principle of chemotherapy.explain sulfonamides.		Understanding
2.	Summarize any one Antibiotics drug.	1	
	Section-C		$2 \times 5 = 10$
Note	: Attempt any <i>one</i> question.		
1.	Identify the term Chemotherapy?	3	Applying
2.	Identify the term Antiulcer agents.	3	Applying
Note	: Attempt any one question.		
3.	Explain the Chloramphenicol.		
4.	Summarize the term carminatives and digestants.	2	Understanding

Sub. Code: BP602T

## 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

	Section-A		$5 \times 2 = 10$
Note	: Attempt all questions.	CO	KI.
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
	Section-B		$1 \times 10 = 10$
Note	: Attempt any one question.		
1.	Explain the term of general principle of chemotherapy.explain sulfonamides.		
2.	Summarize any one Antibiotics drug.	1	Understanding
	Section-C		$2\times 5=10$
Note	: Attempt any one question.		
1.	Identify the term Chemotherapy?	3	Applying
2.	Identify the term Antiulcer agents.	, 3	rippijing
Note	: Attempt any one question.		
3.	Explain the Chloramphenicol.	2	Understanding
4.	Summarize the term carminatives and digestants.	2	on do sumoning

Sub. Code: BP603T

#### 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

<b>NOTE:</b> Attempt all sections. If require any missing data; then choose suitably			
	Section-A		$5 \times 2 = 10$
Note	: Attempt all questions.	CO	KL
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
	Section-B		$1 \times 10 = 10$
Note	: Attempt any one question.		
1.	Explain the preparation and evaluation parameters of herbal tablets.		
2.	Explain the preparation and evaluation parameters of herbal syrups.	1	Understanding
	Section-C		$2\times 5=10$
Note	: Attempt any one question.		
1.	Make use of nutraceuticals in Diabetes.		
2.	Utilize various examples for herbs- drugs interactions.	4	Applying
Note	: Attempt any one question.		
3.	Classify herbal excipients used in cosmetics preparation.		
4.	Analyze the health benefits and role of nutraceuticals in CVS diseases.	5	Analyzing

Sub. Code: BP603T

## 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

NO'	<b>TE:</b> Attempt all sections. If require any missing data; then cl	hoose	suitably
	Section-A		$5 \times 2 = 10$
Note	e: Attempt all questions.	CO	KL
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
	Section-B		$1 \times 10 = 10$
Note	e: Attempt any <i>one</i> question.		
Nou	e. Attempt any one question.		
1.	Explain the preparation and evaluation parameters of herbal tablets.		
2.	Explain the preparation and evaluation parameters of herbal syrups.	1	Evaluation
	Section-C		$2 \times 5 = 10$
Note	e: Attempt any <i>one</i> question.		
1.	Make use of nutraceuticals in Diabetes.		
2.	Utilize various examples for herbs- drugs interactions.	4	Applying
Note	e: Attempt any one question.		
3.	Classify herbal excipients used in cosmetics preparation.		
4.	Analyze the health benefits and role of nutraceuticals in CVS diseases.	5	Analyzing

#### **Department of Pharmacy**

B. Pharm. 4th Year, 7th 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

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

#### **MEERUT INSTITUTE OF TECHNOLOGY**

**Department of Pharmacy** 

B. Pharm. 4th Year, 7th Sem

Second Sessional Examination (2022-2023)

**Novel Drug Delivery Systems (NDDS) (BP704T)** 

Max. Marks: 30

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

**Time: 90 Minutes** 

If require any missing data; then choose suitably

	If require any missing data; then choose suitably		
	Section-A		[5X2=10 Marks]
Q1.	Attempt ALL questions.	CO	KL
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
	Section-B		[1X10=10 Marks]
Q2.	Explain various formulation approaches in the development of a transdermal drug delivery system (TDDS).  OR  Explain the implantable drug delivery system with special emphasis on osmotic pump (OROS system).	CO-5	EVALUATING
	Section-C		[2X5=10 Marks]
Q3.	Attempt ALL questions.		
a.	Compare microparticles, microspheres, and microcapsules.  OR  Compare floating, high-density, and inflatable type of gastro-retentive drug delivery system	CO-3	ANALYZING
b.	Identify various intraocular barriers, with the help of a neat and well-labeled diagram.  OR  Explain the working principle and construction of metered dose inhaler with the help of a neat and well-labeled diagram.	CO-2	UNDERSTANDING

#### **Department of Pharmacy**

B. Pharm. 4th Year, 8th 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

	Section-A		[5X2=10 Marks]
Q1.	Attempt ALL questions.	CO	KL
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
	Section-B		[1X10=10 Marks]
Q2.	Evaluate the correlation using Karl Pearson method  Tablet weight (mg) 250 400 550 800 950  Tablet strength (Kg) 1.9 2.5 3.2 4.0 5  OR  Classify the central tendency, with suitable examples.	CO-4	EVALUATING
	Section-C		[2X5=10 Marks]
Q3.	Attempt ALL 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.  OR  Heights of 10 students are in cm 164,175, 159, 168, 178, 168, 163, 164, 168, 171. Identify the mode.	CO-5	APPLYING
l l	108, 103, 104, 108, 1/1. Identity the mode.		

#### MEERUT INSTITUTE OF TECHNOLOGY

#### **Department of Pharmacy**

B. Pharm. 4th Year, 8th Sem

First Sessional Examination (2022-2023)

#### **Biostatistics and Research Methodology (BP801T)**

Max. Marks: 30

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

**Time: 90 Minutes** 

	If require any missir	ıg data;	then c	hoose s	uitably			
	Section-A							[5X2=10 Marks]
Q1.	Attempt <i>ALL</i> questions.						CO	KL
a.	Outline the term 'biost	atistics'	· ·				CO-1	UNDERSTANDING
b.	Identify the four main	compor	nents o	f statist	ics.		CO-2	APPLYING
c.	Explain the term statist	ics.					CO-1	APPLYING
d.	Illustrate the frequency	distrib	ution.				CO-1	UNDERSTANDING
e.	Summarize the term 'c	entral to	endenc	y'.			CO-2	APPLYING
	Sec	tion-B	<u> </u>					[1X10=10 Marks]
Q2.	Tablet weight (mg) Tablet strength (Kg) Classify the central ten	250 1.9 OR	400 2.5	550 3.2	800	950 5	CO-4	EVALUATING
		tion-C						[2X5=10 Marks]
Q3.	Attempt ALL quest	ions.						
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.  OR  Heights of 10 students are in cm 164,175, 159, 168, 178, 168, 163, 164, 168, 171. Identify the mode.					CO-5	APPLYING	
b.	Analyze the utilization in biostatistics.  Analyze the role of proexperiment	of vari	ous me	asures		ersion	CO-3	ANALYZING

#### **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

	Section-A		[5X2=10 Marks]
Q1.	Attempt ALL questions.	CO	KL
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
	Section-B		[1X10=10 Marks]
Q2.	Identify specific diagnostic test and prevention for Influenza.  OR  Classify the types of disease Prevention.	CO-4	UNDERSTANDING
	Section-C		[2X5=10 Marks]
Q3.	Attempt ALL questions.		
a.	Explain in detail about objective, functioning, and outcomes of National Mental Health Programme.  OR  Interpret the TB Co-Morbidities.	CO-5	UNDERSTANDING
b.	Explain in detail objectives, functioning, and outcomes of Universal Immunization Programme.  OR  Identify the role of social pharmacist in public health.	CO-3	UNDERSTANDING

#### **MEERUT INSTITUTE OF TECHNOLOGY**

**Department of Pharmacy** 

B. Pharm. 4th Year, 8th Sem

Second Sessional Examination (2022-2023)

Social and Preventive Pharmacy (BP802T)

Max. Marks: 30

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

Time: 90 Minutes

If require any missing data; then choose suitably

	If require any missing data; then choose suitably		[5V2-10 Monkel
	Section-A	ı	[5X2=10 Marks]
Q1.	Attempt <i>ALL</i> questions.	CO	KL
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
	Section-B		[1X10=10 Marks]
Q2.	Identify specific diagnostic test and prevention for Influenza.  OR  Classify the types of disease Prevention.	CO-4	UNDERSTANDING
	Section-C		[2X5=10 Marks]
Q3.	Attempt ALL questions.		
a.	Explain in detail about objective, functioning, and outcomes of National Mental Health Programme.  OR  Interpret the TB Co-Morbidities.	CO-5	UNDERSTANDING
b.	Explain in detail objectives, functioning, and outcomes of Universal Immunization Programme.  OR  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).

ttempt Al	Section A  L 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

## <u>Section B</u> 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 <sup>3</sup> . 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 <sup>3</sup> .	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		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 m2 and the specific volume at inlet is 0.187 m3/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 ta 30 °C before entering the expansion cylinder. Expansion and compression follow the pv <sup>1.35</sup> = 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 $u=3.56 \text{ pv} + 84$ , where u is given in KJ/Kg, P is in KPa and v is in m <sup>3</sup> /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 <sup>3</sup> to a final pressure 100 KPa in a process in which pressure and volume are related by PV <sup>1.2</sup> =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°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
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° 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 <sup>0</sup> 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]

Q.No	Question	CO
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]

Q.No	Question	CO
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]

Q. No	Question	CO
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

empt ALI	L Questions, each question carry ONE Mark.	[1*8=8
Q.No	Question	CO
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		4
Q No.8	State the assumptions of Bernoulli's Equation and also write its equation.	1

#### Section B

npt ALL	Questions each question carry THREE Marks.	[3*4=12]
Q.No	Question	CO
Q No.1	With the help of neat sketch explain the working of francis turbine?	4
	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= (y³/3)+ 2x-x²y, v= xy²-2y-x³/3,  Determine I) the velocity and acceleration point (1,3)  ii) if the flow physically possible?	2
Q No.4		2

	Questions each question carry FIVE Marks. [5*2=10]	
Q. No	Question	CC
	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 rmp 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)

_	.1 Attempt ALL parts.		Z= ZU)
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/m2 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/m3. 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
1	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.2 Attempt Any time Questions		(3X10-30)	
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/cm² and 9.81 N/cm² 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/m².	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	Remember	5
	and overall efficiency of a centrifugal pump?		

### 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= (y³/3)+ 2x-x²y, v= xy²-2y-x³/3,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 I 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/m2 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/m2, 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)

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	A Pelton turbine running at 720 rmp 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	Understand and Remember	4
b.	With the help of neat sketch explain the working of francis turbine?	Remember	4

# Q.7 Attempt any ONE parts.

# (1X10=10)

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	Define specific speed of a centrifugal pump. Derive an expression for the same	Understand and Remember	5
b.	A single acting reciprocating pump, running at 50 rpm, delivers 0.01 m3/s of water. The diameter of the piston is 200 mm and stroke length 400 mm. Determine:	Understand and Remember	5
	i) The theoretical discharge of the pump		
	ii) Co-efficient of discharge	BEET WIL	
	iii) Slip and the percentage slip of the pump.		
	iii) Slip and the percentage slip of the pump.		



# 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]

No	Questions	CO
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.	COI
5.	Define ALE, TRAP, HOLD, HLDA.	COI

# Section B

# Attempt All Questions each question carry FOUR Marks. .

[4\*3=12]

No	Questions	CO
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	CO2
	microprocessor.	
4.		CO3
"		

# Section C

# AttemptAll Questions each question carry FOUR Marks.

[4\*2=8]

No	Questions	CO
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]

Q.No	Question	CO
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]

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

Q.No	Question	
Q No.1	What is an exception? How is exception handled in JAVA. Differentiate between Throw and Throws.	
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



# 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	
	QUESTIONS	со
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
		ı

Section-B

At	tempt any four questions each question carry three marks	(4x3=12)
H	QUESTIONS	CO
1.	"Entrepreneurs are made not born" 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		
Ш	QUESTIONS	
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.	
3.	Describe about the Role of various national and state agencies which render assistance to small scale industries.	



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### 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.

 $(10 \times 2 = 20)$ 

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)
е.	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
ł.	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

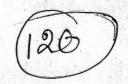
### Section C

Q.3.Attempt all Questions

(5 X 10= 50)

Q.	Question	СО
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





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

Subject & Code: - Computer Organization and Architecture (KCS-302) arks: 30 Time:01:30 Hrs Max. Marks: 30

No	te: Attempt all Sections.	
	Section A	with and
Atte	mpt ALL Questions, each question carry two Mark.	[2*5=10]
Q.No	<u>Question</u>	CO
1,	What is the difference between RAM and ROM?	COI
2. 3.	Differentiate between write back and write through method.  Explain with neat and clean diagram the basic functional units of a computer	COI COI
4.	Explain The Role of IR (Instruction Register) and AC (Accumulator Register) in computer System.	COI
5.	Design a Full Adder by using 2 Half Adder.  Section B	COI
Atte	mpt All Questions each question carry THREE Marks.	[3*4=12]
<u>Q.No</u> 1.	Question  Design a 4-Bit Carry-Look ahead adder and explain its operation with an example.	<u>CO</u>
2.	Explain the Booth's multiplication algorithm in detail. Give an example for multiplication using Booth's algorithm.	CO1 CO1
3.	지역 기계는 어린 경영 대한 경영 이번 경영 아무리를 가장하는 것 같습니다. 그는 점점 요즘 그렇게 되었다는 경우를 하는 것이 이렇게 하는 것이 이렇게 하는 것이 되었다면 그렇지 않는데 되었다면 그렇지 않는데 그렇지 않는데 그렇지 않는데 그렇게 되었다면 그렇지 않는데 그렇게 되었다면 그렇지 않는데 그렇게 되었다면 그렇게	
	<ul><li>a. Formulate all pertinent information required to construct the cache memory.</li><li>b. What is the size of cache memory.</li></ul>	
4.	Answer the following questions:	CO1
	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.	
Atte	Section C  mpt All Questions each question carry FOUR Marks.  [4*2=8]	1
		•
<u>O.No</u> 1.	Ouestion  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	
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?	Frey State

- 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?



# 292, MEERUT INSTITUTE OF TECHNOLOGY, MEERUT II<sup>nd</sup>- Sessional Examination, Session 2021-22 V Semester CSE Subject & Code: - Database Management System (KCS- 501)

Max. Marks: 30	Time: 01:30 Hrs
Note: Attempt all Sections.	
Section A	
Attempt ALL Questions, each question carry ONE Mark.	<u>[1*8=8]</u>
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]
<ol> <li>Consider the relation schema R(A,B,C,D,E, G) with following F dependencies.</li> <li>{AB→C, C→A, BC→D, ACD→D, D→EG, BE→C, CG→BD, C Compute the closure of (B,D)<sup>+</sup> and (C,A)<sup>+</sup>.</li> </ol>	
10. Give tow sets F1and F2 of FDs for a relation (A, B, C, D, E) F1: A→B, AB→C, D→AC, D→E F2: A→BC, D→AE Are F1 and F2 equivalent?	(CO-4)
<ul> <li>11. Explain partial dependency, full dependency and transitive dep</li> <li>12. Consider a relation R(A, B, C, D, E) with the following dependency</li> <li>F: {AB→C, CD→E, DE→B}, Find the candidate key.</li> </ul>	, ,
Section C	
Section C	[E*Ó_40]
attempt all Questions each question carry FIVE Marks.	<u>[5*2=10]</u>
13. Consider a relation R={A,BC,D,E,F,G,H,I,J} and set of functional de F={AB->C,A->DE, B -> F,F -> GH,D -> IJ }. a) Find out keys of R?	pendencies of FD (CO-4)
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

Note: - Attempt all sections.

Time: 01:30 Hrs

SECTION-A	
empt ALL questions each carry ONE marks	(1 x 8=08)
Why was Nilokheri Experiment called as "Mazdoor Manzil"?	CO2
Gurgaon Experiment aimed at addressing what issues of rural Development?	CO2
How can you say that "Gram Sabha is the basic unit of Panchayat Rasystem"? Justify.	aj CO3
What are self-help group?	CO3
Describe the structure of Panchayat raj institution.	C03
What do you mean by Zila parishad?	CO3
Explain the function of Panchyat samiti?	CO3
What is Nilokheri experiment	CO2
	Why was Nilokheri Experiment called as "Mazdoor Manzil"?  Gurgaon Experiment aimed at addressing what issues of rural Development?  How can you say that "Gram Sabha is the basic unit of Panchayat Rasystem"? Justify.  What are self-help group?  Describe the structure of Panchayat raj institution.  What do you mean by Zila parishad?  Explain the function of Panchyat samiti?

	SECTION-B	
Att	empt ALL guestions each carry THREE marks. (3x 4=1	2)
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 an questions in oriei.	.0
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)+n2 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:

 $10 \times 3 = 30$ 

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.  B 5 20 11 C 15 E	CO3
e)	Explain any one minimum cost spanning tree algorithm with example.	CO2

# SECTION - C

3.	Attempt any one part of the following:	$10 \times 1 = 10$
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=<1,2,5,7,8,10,15,20,25>	СОЗ
4.	Attempt any one part of the following:	$10 \times 1 = 10$
1)	Explain insertion in Red-Black tree. Show steps for inserting 1,2,3,4,5,6,7,8 &9 into empty tree.	RB CO3



b)	Describe in detail the Strassen's Matrix Multiplication algorithm based on divide & conquer strategies with suitable example.	
5.	Attempt any one part of the following:	1 = 10
a)	Write algorithm for union of two binomial heaps. What is complexity?	COI
b)	Consider 5 items along their respective weights and values  I= <i1,i2,i3,i4,i5>  W=&lt;5,10,20,30,40,&gt;  V=&lt;30,20,100,90,160&gt;  The capacity of Knapsack w=60. Find the solution to the fractional knapsack problem.</i1,i2,i3,i4,i5>	CO1, CO4
6.		1 = 10
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.	
7.	Attempt any one part of the following:	x 1 = 10
a)	Find the optimal parenthesization of a matrix chain product whose sequence of dimensions is <6,10,5,3,12>.	
b)	Discuss convex hull problem. Write the algorithm for Graham's scan algorithm for finding the convex hull with a suitable example.	CO1, CO2



# **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

 $\frac{\text{Section} - \text{B}}{\text{(This section contains 3 questions, you are required to attempt any 2 questions each carrying 7.5 marks)}}$  (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

# $\frac{\text{Section} - \text{C}}{\text{(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5}}{marks)}$ (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

### **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

 $\frac{\text{Section} - B}{\text{(This section contains 3 questions, you are required to attempt any 2 questions each carrying 7.5 marks)}}$ (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:	(CO-2)	Understand
	Income from Salaries – 500000		
	Income from other sources – 100000		
	Income from capital gains – 10000		
	LIC policy premium - 20000		

# $\frac{\text{Section} - \text{C}}{\text{(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5}} \\ marks)\\ \text{(Answer in 200-300 words)}$

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

# **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

 $\frac{\text{Section} - B}{\text{(This section contains 3 questions, you are required to attempt any 2 questions each carrying 7.5 marks)}}$ (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

# $\frac{\text{Section} - \text{C}}{\text{(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5}} \\ \text{marks)} \\ \text{(Answer in 200-300 words)}$

Q.NO	QUESTION	Level of Taxonomy	COURSE
9	Differentiate between primary and Secondary market in detail.	(CO-5)	Understand
<u> 1</u> 0	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

# First Sessional Examination 2022-2023

Name of the course: BBA

Subject code: 604

Name of the subject: INDUSTRIAL & ECONOMIC LAW

Time Allowed: 11/2 Hours

Maximum Marks: 25

# Section -A

(1x5=5)

(2.5x2=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 (2.5) (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

# 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

 $\underline{Section - A} \tag{1x5=5}$ 

Maximum Marks: 25

(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
5	Describe the technique of defining a research problem.	CO-1	Understandin

# First Sessional Examination 2022-23

Name of the course: BBA 3 SEM

Subject code: BBA- 303

Name of the subject: INDIAN ECONOMY

Time Allowed: 11/2 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

# $\underline{\text{Section}} - \underline{A} (1x5 = 5)$

(This section contains 5 questions, each carrying one mark. Answer should be brief)	
Define Servie Marketing.	CO1
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

# $\underline{\text{Section} - \text{B} (2.5\text{x}2 = 5)}$

# (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

# $\underline{Section - C (5X3 = 15)}$

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

11113	nis section contains 5 questions, you are required to different any 5 questions each earlying 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	

# **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

 $\frac{\text{Section} - \text{B}}{\text{(This section contains 3 questions, you are required to attempt any 2 questions each carrying 7.5 marks)}}$ (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

# $\frac{\text{Section} - \text{C}}{\text{(This section contains 5 questions, you are required to attempt any 3 questions each carrying 5}} \\ \text{(Answer in 200-300 words)}$

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	Ram started bus	iness with	Cash 200000, I	Purchased Goods on aid salary and wages	(CO-3)	Explain
12	Particulars  Land  Plant  Long term investments  Additional Information of the control of the co	31.03.20 1,05,000 280000 17500 ation is:	31.03.21 35000 350000 350000 ation as Rs. 280	00, Plant with a book was sold at a profit of	(CO-4)	Explain
13	inventory is Rs. 12	2000/ Find ae to calcu	current liabilities late GP Ratio,	test ratio of 3:1.lf its and NP Ratio, Operating	(CO-5)	Explain

# SAMPLE COURSE OUTCOMES EVALUATED ANSWER SHEETS SESSION 2022-23

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# ANSWER BOOKLET

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MEERUT INSTITUTE OF TECHNOLOGY, MEERUT INSTITUTE OF Department TECHNOLOGY Pharmacy 8 pages **ANSWER BOOKLET** Meerut Fill all entries carefully. **INSTRUCTIONS FOR STUDENT** Follow the instructions given on question paper carefully. Write on both the sides of the answer sheet. Session 20..22. - 20....23. Record the attendance carefully. Do not tear off any page from the answer book. TO BE FILLED BY STUDENT Examination (tick) Sessional / PUT Day 25/02/23 **Date** Shift B. Tech./B. Voc./B.Pharm./D.Pharm. 15+ Course(✓) Student's Name AKASH KR. GUPTA **Roll Number** Father's Name VINOD KR. GUPTA PHARMACY Branch (if any) **Subject Code** 0 6 R M Semester/Section Semester Subject Name Ramedial Math. **Room Number** E-108 Signature of Signature of Acquipty Candidate Invigilator FOR THE USE OF EXAMINER Section-A Section-B Section-C **Total** COs 1 2 3 5 8 10 6 7 9 1 2 3 4 2 3 5 **Obtained** Max 2 CO1 7 2 10 CO<sub>2</sub> 2 9 **CO3** 2 **CO4 CO5** Total Marks (In Words) :.... **Total Marks** Signature of the examiner: REMARK(s) Evaluated Answer Sheet is seen. Signature of Examinee:

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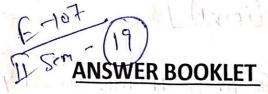
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MEERUT INSTITUTE OF TECHNOLOGY, MEERUT Department  $M_{\text{EERUT}}$ Pharmacy Institute of 8 pages **ANSWER BOOKLET** TECHNOLOGY INSTRUCTIONS FOR STUDENT Fill all entries carefully. Follow the instructions given on question paper carefully. Session 20.22. – 20...23. Write on both the sides of the answer sheet. Record the attendance carefully. Do not tear off any page from the answer book. TO BE FILLED BY STUDENT 23/06/23 Date Sessional / PUT **Examination (tick)** B. Tech./B. Voc./B.Pharm./D.Pharm. Course( ) 15f Shift **Roll Number** AKASH KR. GUPTA **Student's Name** Branch (if any) VINOD KR. GUPTA Father's Name Semester/Section BP20 **Subject Code** E-106 Biochemists **Room Number Subject Name** Signature of Signature of Invigilator **Candidate** FOR THE USE OF EXAMINER **Total Section-C** Section-B Section-A COs **Obtained** Max 10 3 2 5 6 CO1 CO<sub>2</sub> al 0 **CO3 CO4 CO5 Total Marks** Total Marks (In Words) :.... Signature of the examiner: REMARK(s) **Evaluated Answer Sheet is seen.** Signature of Examinee:

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MEERUT INSTITUTE OF TECHNOLOGY, MEERUT  $\mathbf{M}_{\mathtt{EERUT}}$ Department INSTITUTE OF **Pharmacy** TECHNOLOGY ANSWER BOOKLET 8 pages **INSTRUCTIONS FOR STUDENT**  Fill all entries carefully. Follow the instructions given on question paper carefully. Session 20.22... - 20.0.3. Write on both the sides of the answer sheet. Record the attendance carefully. Do not tear off any page from the answer book. TO BE FILLED BY STUDENT Sessional / PUT Examination (tick) Date 08/7/2023 15+ B. Tech./B. Voc./B.Pharm./D.Pharm. Shift Course( ) **Roll Number** Student's Name Priya singl Branch (if any) Father's Name B. Phasum **Subject Code** Semester/Section 200 **Subject Name Room Number** Signature of Signature of Candidate Invigilator \ FOR THE USE OF EXAMINER Section-C Total Section-A Section-B COs 10 2 3 4 5 1 3 5 **Obtained** Max 3 4 5 6 7 8 2 CO1 **CO2** 0 2 **CO3** ୯୬ **CO4** 10 2 **CO5** 12 Total Marks (In Words): **Total Marks** REMARK(s) Signature of the examiner: **Evaluated Answer Sheet is seen.** 

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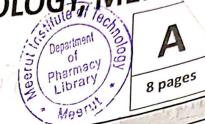
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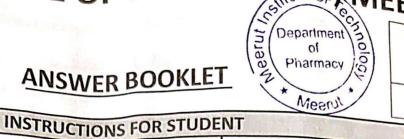


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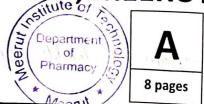
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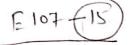
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