

Information Technology

No. of Pages: 01

Roll No:

Max. Marks: 70M

Time: 3 Hrs

No. of Questions: 10

Pass Min.: 28M

Answer ALL the following questions

UNIT - I

1. A) Draw the block diagram of the computer and explain all the components of the computer. (10M)
(OR)
B) Where does the computer store and process the data? Explain different types of Computer Memory. (10M)
2. A) List out different input and output devices. (4M)
(OR)
B) Explain the characteristics of computers. (4M)

UNIT - II

3. A) Explain the steps involved in the booting process of a computer. (10M)
(OR)
B) Compare and contrast the features and capabilities of the Windows operating system with those of DOS operating systems. Explain in details about features of Windows operating system (10M)
4. A) What is an operating system? What are its functions? (4M)
(OR)
B) What are the limitations of MS DOS? (4M)

UNIT - III

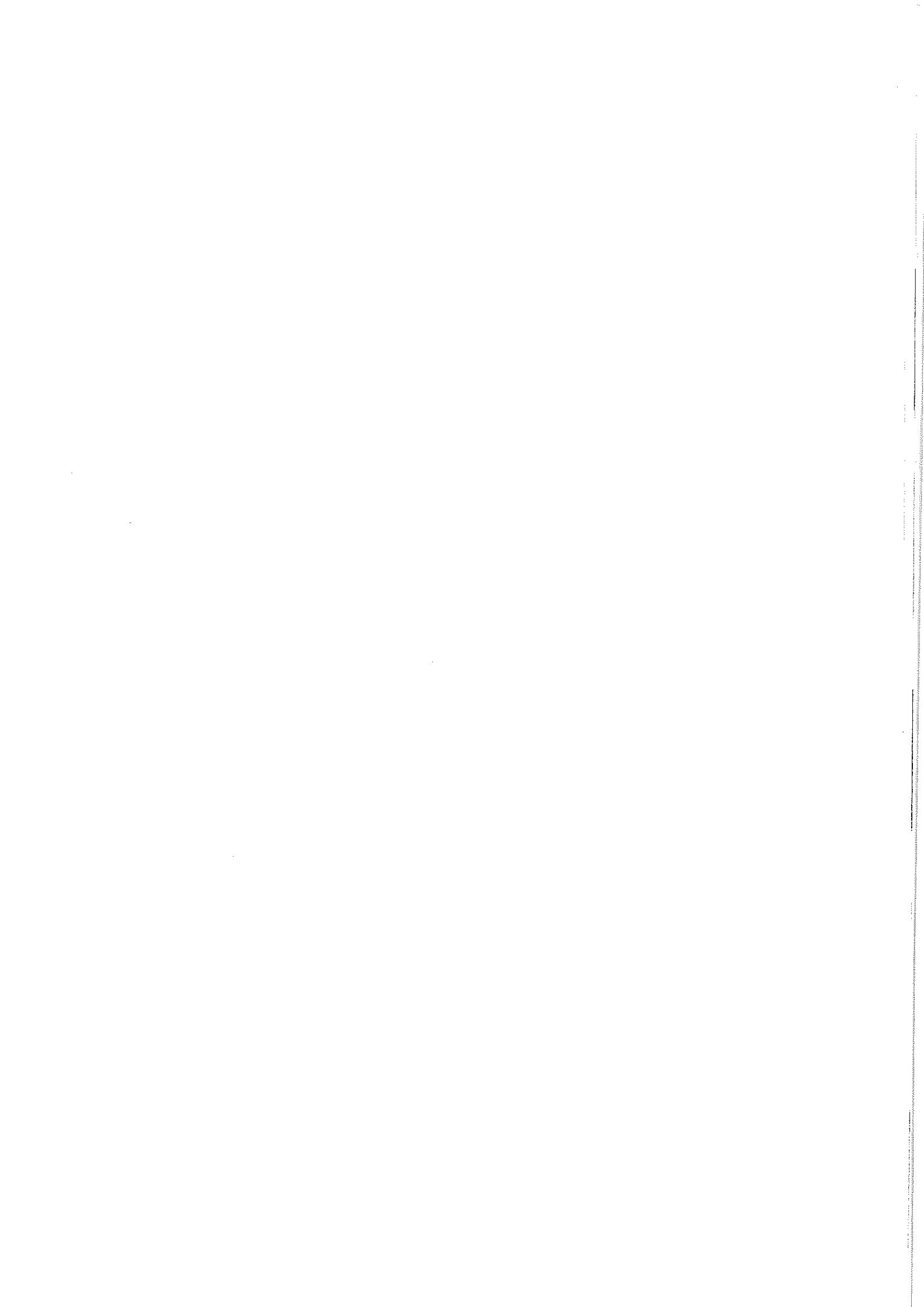
5. A) Compare and contrast the features and capabilities of different programming languages and determine which is best suited for a given task. (10M)
(OR)
B) What is Software? Explain the Types of Software and their applications? (10M)
6. A) Demonstrate CAD (4M)
(OR)
B) Articulate about HTML (4M)

UNIT - IV

7. A) What is Network? Explain the Types of Networks? (10M)
(OR)
B) Categorize Transmission media? (10M)
8. A) Explain about applications of the Internet. (4M)
(OR)
B) Articulate about Modems (4M)

UNIT - V

9. A) Explain the stages of KDD process (10M)
(OR)
B) . Explain the following in OLAP (10M)
a) Roll up operation b) Drill Down operation c) Slice operation d) Dice operation
e) Pivot operation
10. A) Articulate about Star Schema (4M)
(OR)
B) Articulate about Snowflakes schema (4M)



AG & SG Siddhartha Degree College of Arts & Science (AUTONOMOUS)

VUYYURU - 521 165.

No. of Pages : 01

Question Paper

No. of Questions : 12

Course Code (s) : 21

SEM - IV

DD/MM/YY :

0 3 0 2 2 0 2 4

Subject : COMMERCE

Paper Code : CAUD - 405 G

Min Marks : 28

Title of the Paper : Auditing

Time : 3:00 Hrs.

Regd. No :

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Max Marks : 70

SECTION - A

Answer any **TWO** of the following questions.

2x5=10M

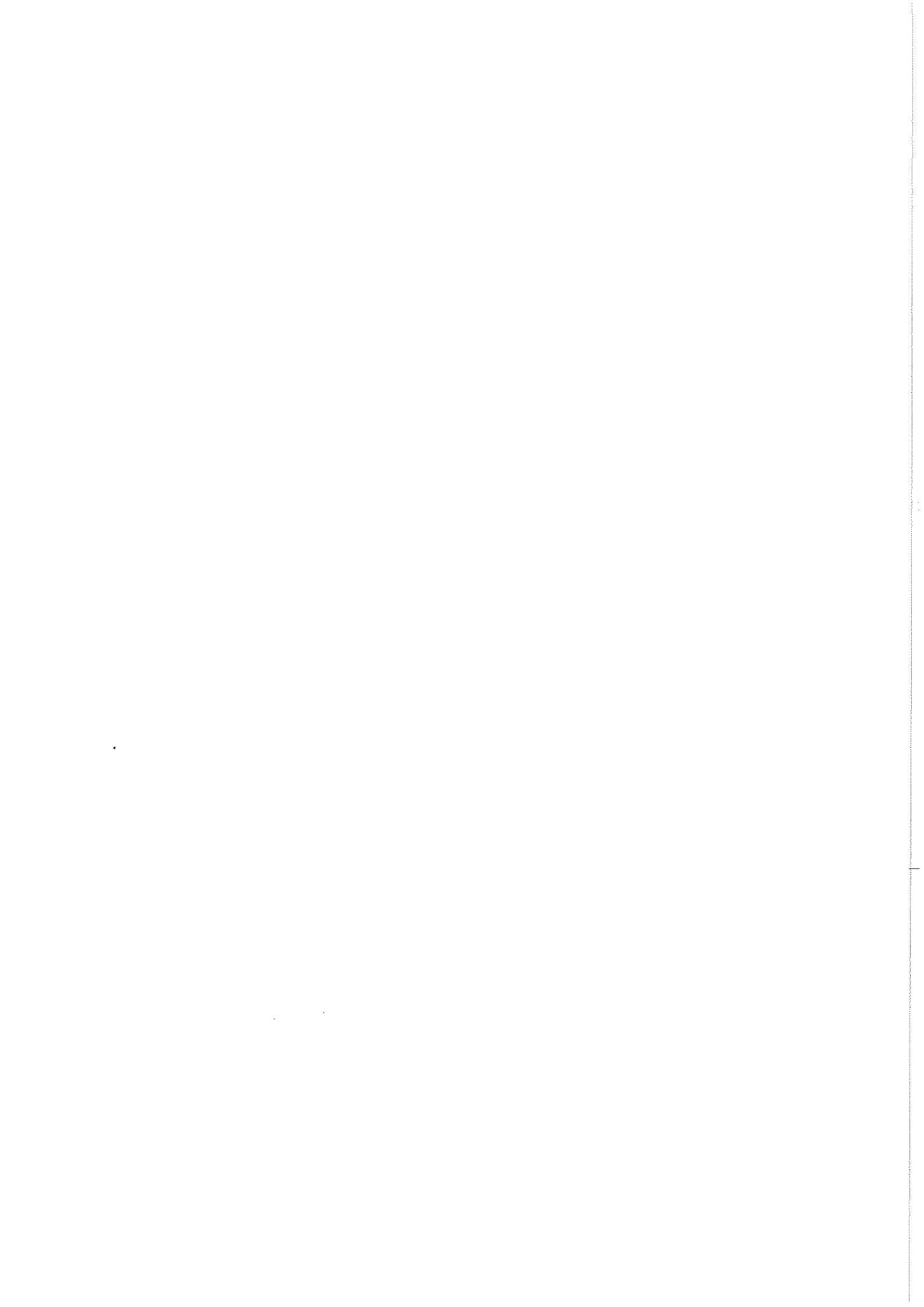
1. అకౌంటింగ్‌కు మరియు ఆడిటింగ్‌కు మధ్య గల తేడాలేంటి?
2. అవిచ్చిన్న ఆడిట్ అనగానేమి?
3. శోధన అనగానేమి?
4. ఆడిటర్ యొక్క అర్హతలను గురించి వివరించుము.

SECTION - B

Answer any **FOUR** of the following questions.

4x15=60M

5. ఆడిటింగ్‌ను నిర్వచించి, ఆడిటింగ్ యొక్క ఉద్దేశాలను మరియు ప్రయోజనాలను వివరించుము.
6. సంస్థ నిర్మాణం ఆధారంగా వర్గీకరించబడిన వివిధ రకాల ఆడిట్‌లు ఏమిటి?
7. ఆడిట్ కార్యక్రమం యొక్క ప్రయోజనాలు, అప్రయోజనాలను రాయండి.
8. ఓచింగ్ అనగానేమి? ఓచింగ్ యొక్క ప్రాముఖ్యతను మరియు ఉద్దేశాలను వివరించుము.
9. ఆడిటర్ యొక్క హక్కులు, అధికారాలను వ్రాయండి.
10. నిరంతర ఆడిట్ అనగానేమి? ప్రయోజనాలను మరియు అప్రయోజనాలను రాయండి.
11. శోధనకు మరియు ఆడిట్‌కు మధ్య గల తేడాలను వివరించుము.
12. వివిధ రకాల ఆడిట్ నివేదికలను వ్రాయుము.



No. of Pages : 02

Question Paper

No. of Questions : 16

Course Code (s) : 31, 41, 53

SEM - IV

DD/MM/YY :

0 3 0 2 2 0 2 4

Subject : CHEMISTRY

Paper Code : CHE - 401

Min Marks : 28

Title of the Paper : Inorganic, Organic and Physical Chemistry

Time : 3:00 Hrs.

Regd. No :

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Max Marks : 70

SECTION - A

Answer any **FOUR** of the following. Each question carries **FIVE** marks.

4x5=20M

1. Explain Heptacity.

హెప్టాసిటీని వివరించండి.

2. Define anomers and epimers?

ఎనోమర్ మరియు ఎపిమర్ లను నిర్వచించుము.

3. Discuss Diels-Alder reaction in Furan.

ఫ్యూరాన్ యొక్క డీల్స్-ఆల్డర్ చర్యను చర్చించుము.

4. Define isoelectric point and zwitter ion.

జిస్ట్టర్ అయాన్ మరియు సమ విద్యుత్ స్థానములను నిర్వచించుము.

5. Discuss the structure of pyridine.

పిరిడిన్ నిర్మాణమును చర్చించుము.

6. Discuss the reaction of nitro compounds with HONO.

HONO తో నైట్రో సమ్మేళనాల చర్యలను చర్చించుము.

7. Write a note on Grothus Draper's Law.

గ్రోథస్ డ్రాపర్ నియమముపై వ్యాసము వ్రాయుము.

8. Derive $C_p - C_v = R$.

$C_p - C_v = R$ ను ఉత్పాదించుము.

SECTION - B

Answer any **FIVE** of the following. Each question carries **TEN** marks.

5x10=50M

9. Discuss the general methods of preparation of mono and bi nuclear carbonyls of 3rd series.
3rd శ్రేణి యొక్క మోనో మరియు బైనూక్లియర్ కార్బోనైల్ల సాధారణ తయారు చేయు పద్ధతులను చర్చించండి.
10. Discuss the conformation and cyclic structure of glucose.
గ్లూకోజ్ యొక్క అనురూపకత మరియు వలయ నిర్మాణాన్ని చర్చించండి.
11. Explain halogenation, nitration and sulphonation of pyrrole and thiophene.
థయోఫీన్ మరియు పిర్రోల్ యొక్క హాలోజనీకరణము, నైట్రేషన్ మరియు సల్ఫోనీకరణములను వివరించండి.
12. Discuss the following methods for the preparation of amino acids.
a) Strecker's Synthesis b) Gabriel Phthalimide Synthesis.
ఎమైనో ఆమ్లాల ఈ క్రింది తయారు చేయు పద్ధతులను చర్చించండి.
a) స్ట్రెక్కర్ సంశ్లేషణ b) గాబ్రియెల్ థాలిమైడ్ సంశ్లేషణ
13. Describe the following reactions in Nitro alkanes.
a) Nef reaction b) Mannich reaction
నైట్రో ఆల్కేన్ల ఈ క్రింది చర్యలను తెల్పుము.
a) నెఫ్ చర్య b) మానిచ్ చర్య
14. Write the preparation and synthetic applications of diazonium salts.
డైజోనియం లవణాల తయారీ మరియు సంశ్లేషిత అనువర్తనాలను వ్రాయుము.
15. Define quantum yield? Explain the mechanism for photochemical combination of hydrogen-chlorine.
క్వాంటం దక్షతను నిర్వచించుము. హైడ్రోజన్-క్లోరిన్ల యొక్క కాంతి రసాయన చర్యల చర్యా విధానమును వివరించుము.
16. Derive an expression to calculate the efficiency of Carnot cycle.
కార్నో చక్రము యొక్క దక్షతను లెక్కించుటకు సమీకరణమును ఉత్పాదించుము.

BANKING AND FINANCIAL SERVICES

No. of Pages: 01

Roll No:

Max. Marks: 75M

Time: 3 Hrs

No. of Questions: 13

Pass Min.: 30M

Section A

Answer any FIVE of the following:

5 x 5 = 25M

1. Explain the functions of banking.
2. List out the advantages of credit card.
3. What is common services centre?
4. Explain about chit funds.
5. What is a Finance Service Company?
6. Describe Non-Performing Assets.
7. Explain the principles of lending by banks.
8. Write about Micro Finance.

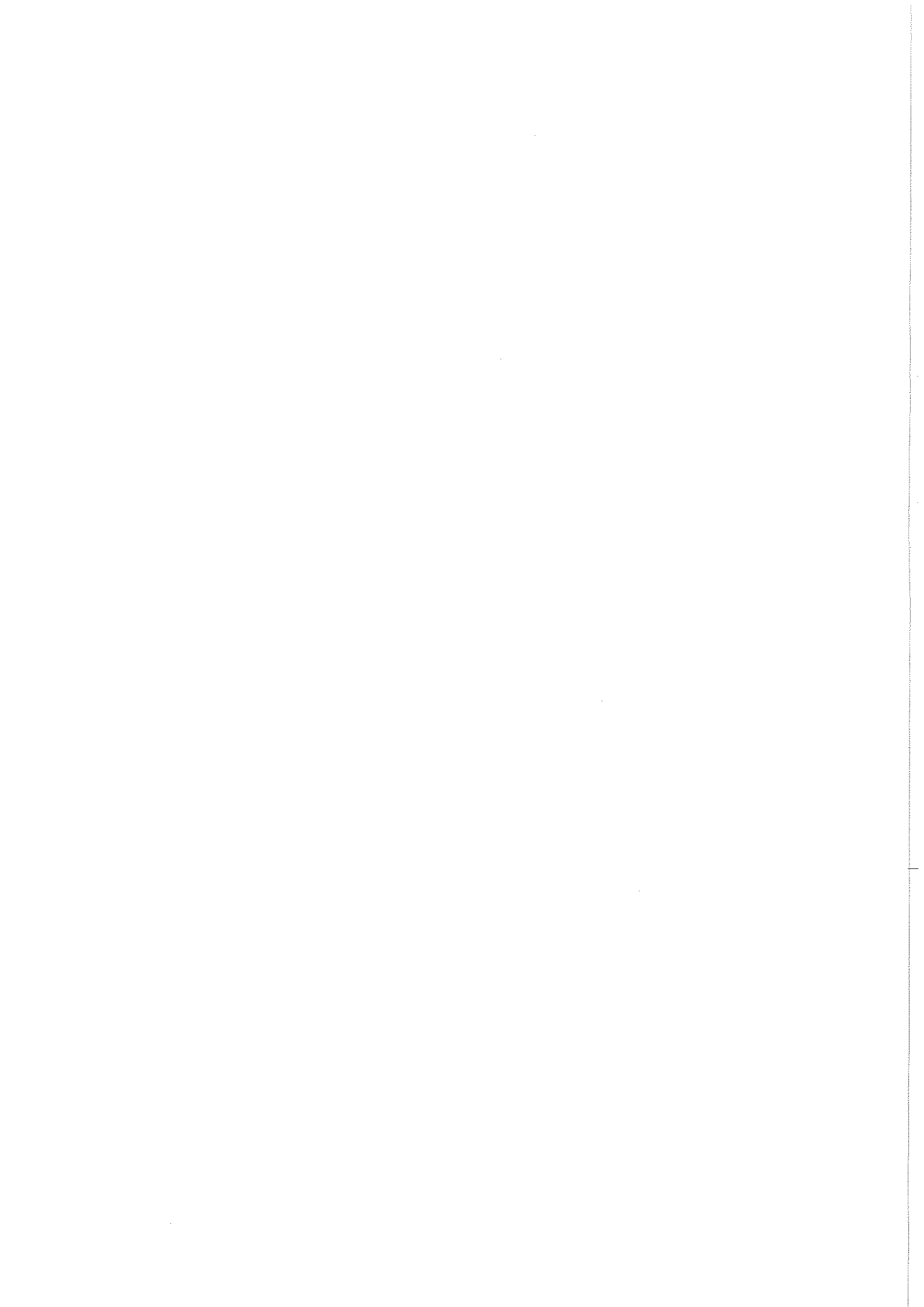
Section B

Answer the following:

5 x 10 = 50M

9. a) Discuss the development of banking sector in India after Independence.
or
b) Explain the role of RBI in Indian Banking.
10. a) Examine the various methods of discharging a negotiable instrument.
or
b) Write a short note on:
i) ATM ii) Core Banking Solutions.
11. a) What are the primary responsibilities of banking correspondent?
or
b) Describe the procedure of collection and recovery loan in banking.
12. a) Elucidate the functions and types of NBFIs.
or
b) Explain the problems and challenges of NBFIs in India.
13. a) Describe the different types of loans by Finance Service Company.
or
b) Explain about procedure and requirements in FSC's loan sanction.

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SERVICE MARKETING

No. of Pages: 01

Roll No:

Max. Marks: 75M

Time: 3 Hrs

No. of Questions: 13

Pass Min.: 30M

Section A

Answer any FIVE of the following:

5 x 5 = 25M

1. Nature of services.
2. Need for service marketing.
3. Customer delight.
4. Conflict handling in services.
5. Retention strategies.
6. Hard and soft standards.
7. Customer defined service standards.
8. Service mapping.

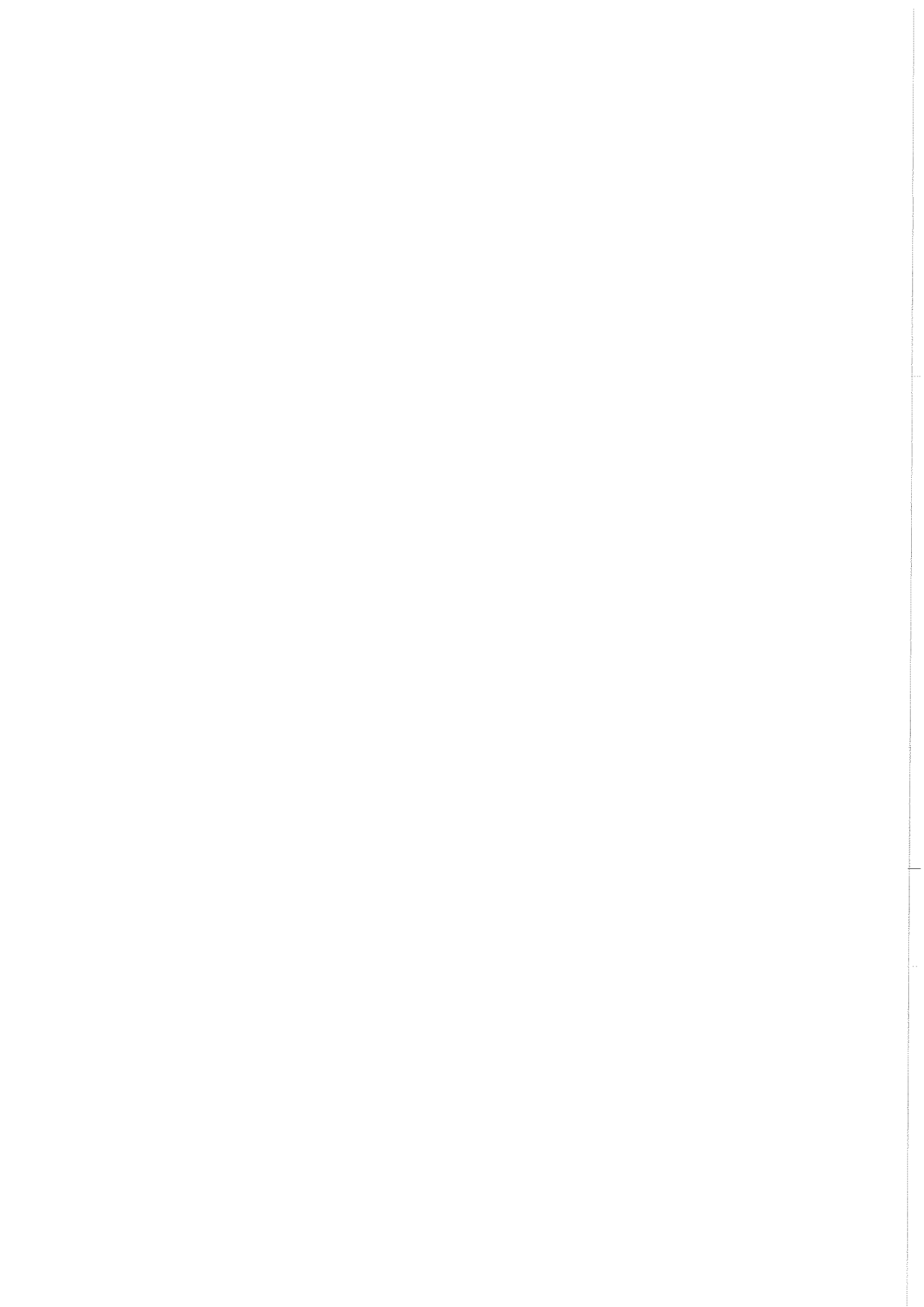
Section B

Answer the following:

5 x 10 = 50M

9. a) What are the reasons for the growth of service sector?
or
b) Explain the scope and features of services.
10. a) What are the factors influencing customer expectation of services?
or
b) Explain the role of customer in service delivery.
11. a) What is customer relationship marketing? Explain the importance of customers and customer's role in service delivery.
or
b) Explain the basis and need for segmentation of services.
12. a) Explain the strategies to match capacity and demand.
or
b) Discuss the application of waiting line queuing theories to understand pattern demand.
13. a) Explain the need and importance of new services.
or
b) Explain the stages in development of new services.

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SEE JAN 2024

CHESET02 / 05-02-2024

Analytical Methods in Chemistry - II

No. of Pages: 01

Roll No:

Max. Marks: 75M

Time: 3 Hrs

No. of Questions: 13

Pass Min.: 30M

Section A

Answer any FIVE of the following:

5 x 5 = 25M

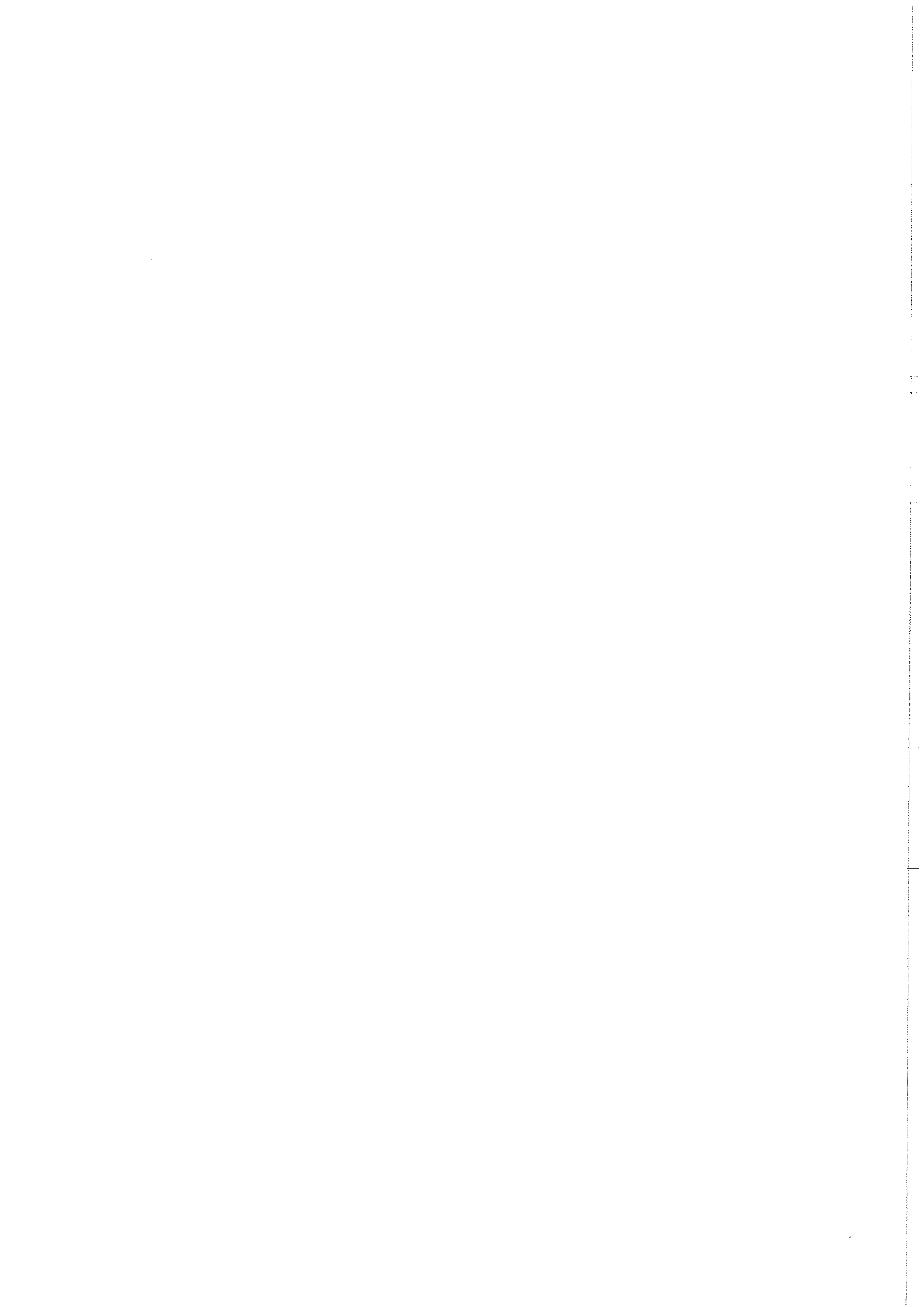
1. Explain the classification of chromatographic techniques.
2. Discuss about the process of development of TLC plates.
3. Explain radial paper chromatography.
4. Briefly explain the factors affecting the column efficiency.
5. Discuss the separation of methylene blue and fluorene by column chromatography.
6. Explain the different types of detectors used in gas chromatography.
7. Explain the term R_f value and what are the factors effect on R_f value.
8. Discuss about normal and reversed phases in HPLC.

Section B

Answer the following:

5 x 10 = 50M

9. a) Explain the principle and write down the applications of chromatographic techniques in various fields.
or
b) Define mobile phase and stationary phase. Explain the term nature of adsorbents and elements.
10. a) Explain the principle and experimental procedure of thin – layer chromatography.
or
b) Explain the principle and procedure of paper chromatography, give its applications.
11. a) Illustrate the experimental procedure and development of the chromatograms of column chromatography.
or
b) Write the principle and applications of column of column chromatography.
12. a) Explain the principle and different types of GC techniques.
or
b) Explain the instrumentation of gas chromatography. How do you separate amino acids and estrogens by gas chromatography.
13. a) Explain the basic principle and instrumentation of HPLC.
or
b) Discuss the different types of detectors used in HPLC. Mention any four applications.



No. of Pages: 01

Roll No:

Max. Marks: 75M

Time: 3 Hrs

No. of Questions: 13

Pass Min.: 30M

Section A

Answer any FIVE of the following:

5 x 5 = 25M

1. Write about the variables and constants used in PHP.
2. Define function. Write about the returning the values from user defined functions.
3. What is an array? Explain creating an array with example.
4. Explain date and time functions in PHP.
5. How forms are created? Explain with an example.
6. Explain setting a cookie with PHP.
7. Write about image – creation process.
8. Explain the planning and creating data base tables.

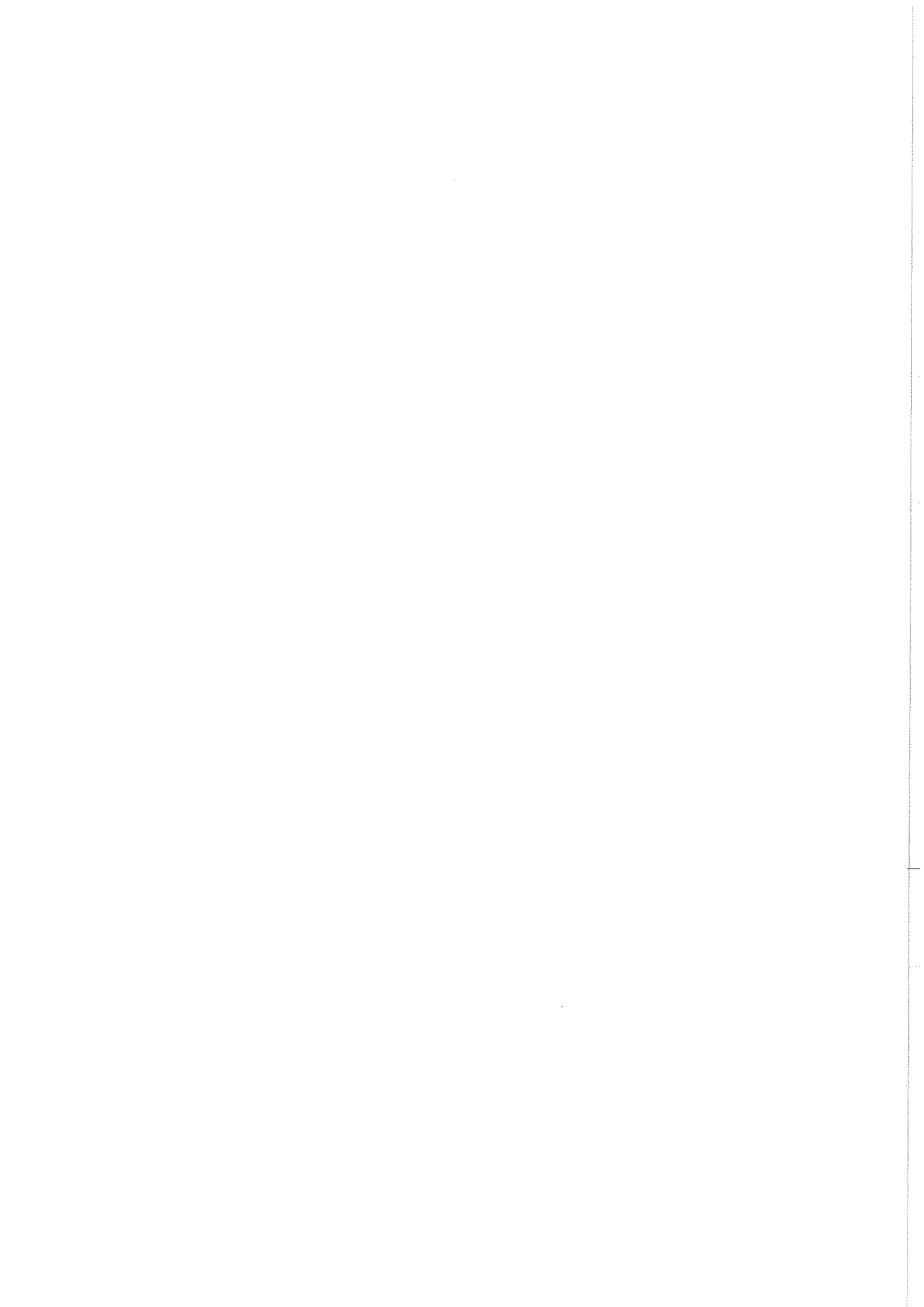
Section B

Answer the following:

5 x 10 = 50M

9. a) Write about the operators and expressions in PHP.
or
b) Explain flow control functions used in PHP with examples.
10. a) How the objects created in PHP? Write briefly about object inheritance.
or
b) Explain strings concept in detail.
11. a) Explain the process of combining HTML and PHP code on a single page.
or
b) What is a session? Explain working with session variables.
12. a) Explain file operations in PHP.
or
b) Explain drawing a new image and modifying the existing images.
13. a) Explain working with MYSQL Data with examples.
or
b) Create a student table using MYSQL.

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VUYYURU - 521 165.

No. of Pages : 01

Question Paper

No. of Questions : 14

Course Code (s) : 51, 53

SEM - III

DD/MM/YY :

0	5	0	2	2	0	2	4
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Subject : COMPUTER SCIENCE

Paper Code : CSC - 301

Min Marks : 28

Title of the Paper : Data Base Management Systems

Time : 3:00 Hrs.

Regd. No :

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Max Marks : 70

SECTION – A

Answer any **FOUR** questions. Each question carries **FIVE** marks.

4x5=20M

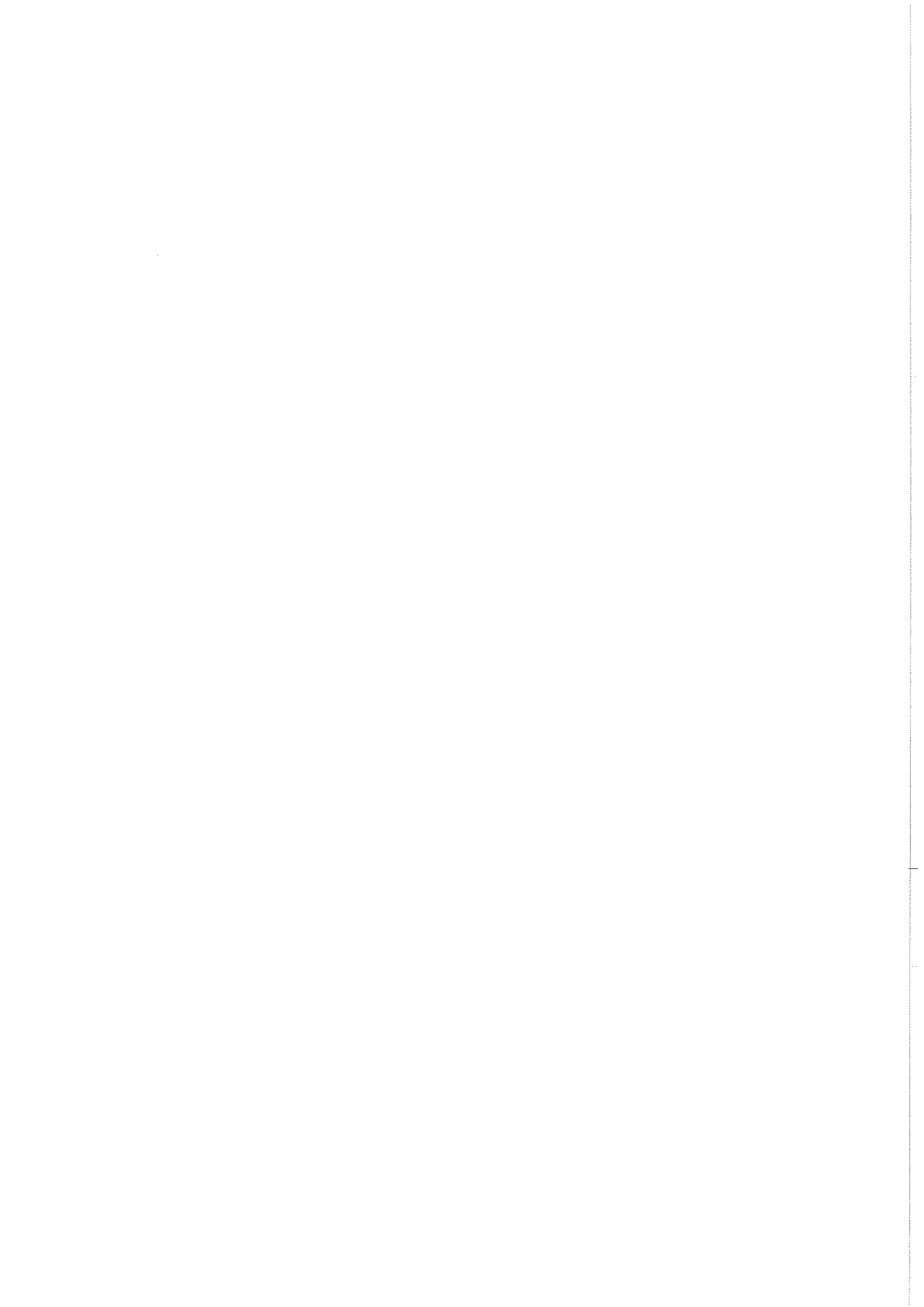
1. Explain the objectives of Data base System.
2. Explain the difference between Data and Information.
3. Explain building blocks of an entity relationship diagram.
4. Define Key? What are the various types of keys?
5. Explain briefly the set Operations in SQL.
6. Explain the basic Structure of PL/SQL.

SECTION – B

Answer any **FIVE** questions. Each question carries **TEN** marks.

5x10=50M

7. Briefly explain the Data models.
8. What is file- based system? Explain drawbacks of file- based system.
9. Define Attribute? Explain the different types of Attribute.
10. Explain the difference between specialization and generalization.
11. Explain E.F CODD's Rules.
12. Explain the concept of Normal Forms.
13. Explain DDL commands and DML commands with examples.
14. Explain the control structure in PL/SQL.



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VUYYURU - 521 165.

No. of Pages : 01

Question Paper

No. of Questions : 14

Course Code (s) : 53

SEM - IV

DD/MM/YY :

0	5	0	2	2	0	2	4
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Subject : COMPUTER SCIENCE

Paper Code : CSC - 401

Min Marks : 28

Title of the Paper : Object Oriented Programming Through Java

Time : 3:00 Hrs.

Regd. No :

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Max Marks : 70

SECTION – A

Answer any **FOUR** questions. Each question carries **FIVE** marks.

4x5=20M

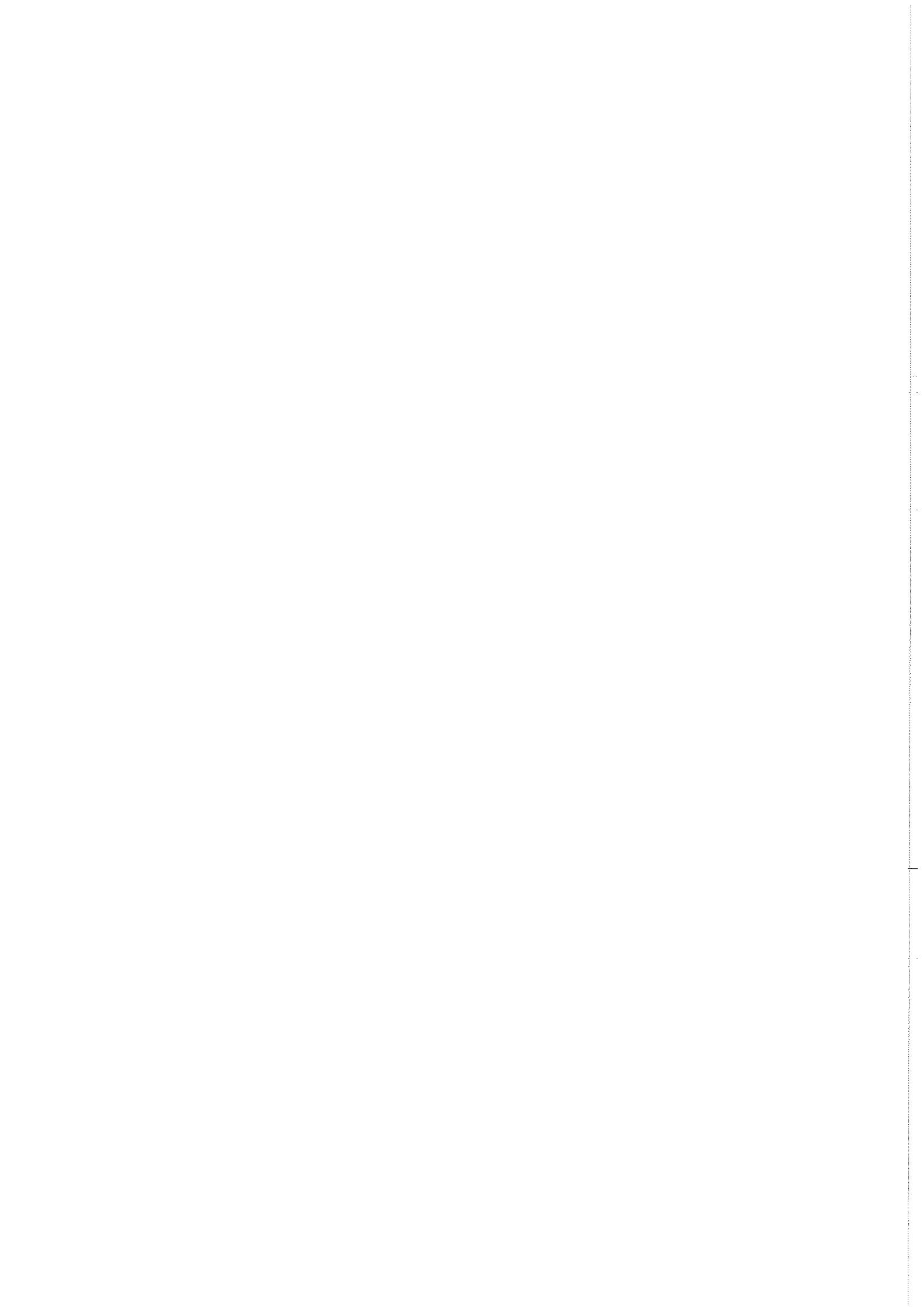
1. Explain few points about naming conventions in java with an examples.
2. Write about priority of Arithmetic Operators.
3. Write about Immutability of Strings.
4. Define Type Casting? Explain difference between the Abstract method and Interfaces.
5. Explain creating a file, Reading a file with suitable examples.
6. Write the stages of JDBC program.

SECTION – B

Answer any **FIVE** questions. Each question carries **TEN** marks.

5x10=50M

7. Explain about various types of looping statements in Java.
8. Define Strings ? And explain various string class methods available in Java.
9. What are the different forms of Inheritance supported by Java?
10. Explain polymorphism with variables and polymorphism using methods with an example program.
11. What is Exception handling and types of Exceptions in java?
12. Explain Thread lifecycle with an example program.
13. Explain about File Reader & File writer classes.
14. What is an Applet? Explain uses of Applet tags and Applet parameters with a simple program.



SEE JAN'24

CHET11A/05-02-2024

INORGANIC AND PHYSICAL CHEMISTRY

No. of Pages: 1

Roll No:

Max. Marks: 75M

Time: 3Hrs

Pass Min: 30M

No. of Questions: 13

PART- A

Answer any FIVE of the following questions.

5x5 = 25 M.

1. Explain the preparation & structures of Phosphonitrilic compounds.
2. List the comparison between lanthanides and actinides.
3. Write the electronic configuration of d- block elements.
4. Define space lattice and unit cell.
5. Write any five differences between liquid crystals, solids and gases.
6. Explain Joule- Thomson effect.
7. Write a note on solubility product.
8. Describe azeotropic mixtures.

PART- B

Answer ALL the questions.

5x10 = 50 M.

- 9 (a). Define silicones. Explain Classification, Preparations & uses of Silicones.
(or)
(b). Describe the preparation, properties and structure of diborane.
10. (a). What is Lanthanide Contraction? Explain the Consequences of Lanthanide Contraction.
(or)
(b). Explain the following for d- block elements.
(i) Magnetic properties
(ii) Oxidation state
(iii) Catalytic properties
11. (a). Write an essay on Crystal defects.
(or)
(b). What is Bragg's Law. Explain the determination of structure of a crystal by powder method.
12. (a). Derive the Critical constants from Vanderwaal constants.
(or)
(b). Define liquid crystals. Explain the types of liquid crystals and its applications
13. (a). Explain Nernst distribution Law. Explain its applications.
(or)
(b). What are colligative properties. Write experimental methods for determination osmotic Pressure.

22 BATCH

22CHET11/05-02-2024

SEE JAN'24

INORGANIC AND PHYSICAL CHEMISTRY

No. of Pages: 2

Time: 3Hrs

No. of Questions: 10

Roll No:	
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Max. Marks: 70M

Pass Min: 28M

Answer all Questions.

1. (a) Describe the preparation, properties and structure of diborane. 10M
OR
(b). Explain preparations, classification and uses of silicones. 10M
2. (a) Describe one preparation method and structure of phosphonitrilic halides. 4M
OR
(b) Explain the preparation and structure of AX_3 inter halogen compounds. 4M
3. (a) Define lanthanide contraction. Explain the consequences of lanthanide contraction. 10M
OR
(b) Discuss the magnetic properties catalytic properties and complex formation of d-block elements. 10M
4. (a) Explain about conductors, semiconductors and insulators. 4M
OR
(b) List the comparison between lanthanides and actinides. 4M
5. (a) (i) Derive Bragg's equation.
(ii) Explain the determination of crystal structure by powder method. 10M
OR
(b) Explain the crystal defects. 10M
6. (a) Define lattice point and unit cell. 4M
OR
(b) Write a note on law of symmetry. 4M
7. (a) Derive the relationship between critical constants and vander waals equation. 10M
OR
(b) Define liquid crystals. Explain the types of liquid crystals and its applications. 10M

SEE JAN'24

22 BATCH
22CHET11/05-02-2024

INORGANIC AND PHYSICAL CHEMISTRY

8. (a) Describe Andrew's isothermal curves for CO_2 . 4M
OR
(b) List the differences between liquid crystals, solid and gases. 4M
9. (a) Explain Nernst distribution law. Explain its applications. 10M
OR
(b) Write experimental method for determination of molar mass of a non-volatile solute by using Osmotic pressure. 10M
10. (a) Explain common ion effect. 4M
OR
(b) Discuss azeotropic mixtures. 4M

SEE JAN'24

CLSCT01/06-02-2024

ENVIRONMENTAL STUDIES

No. of Pages: 1

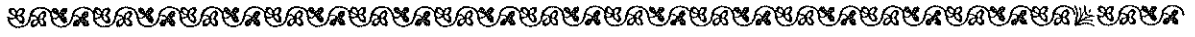
Time: 2Hrs

No. of Questions: 09

Roll No:	
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Max. Marks: 40M

Pass Min: 16M



SECTION – A

Answer any TWO of the following:

2 X 5 = 10M

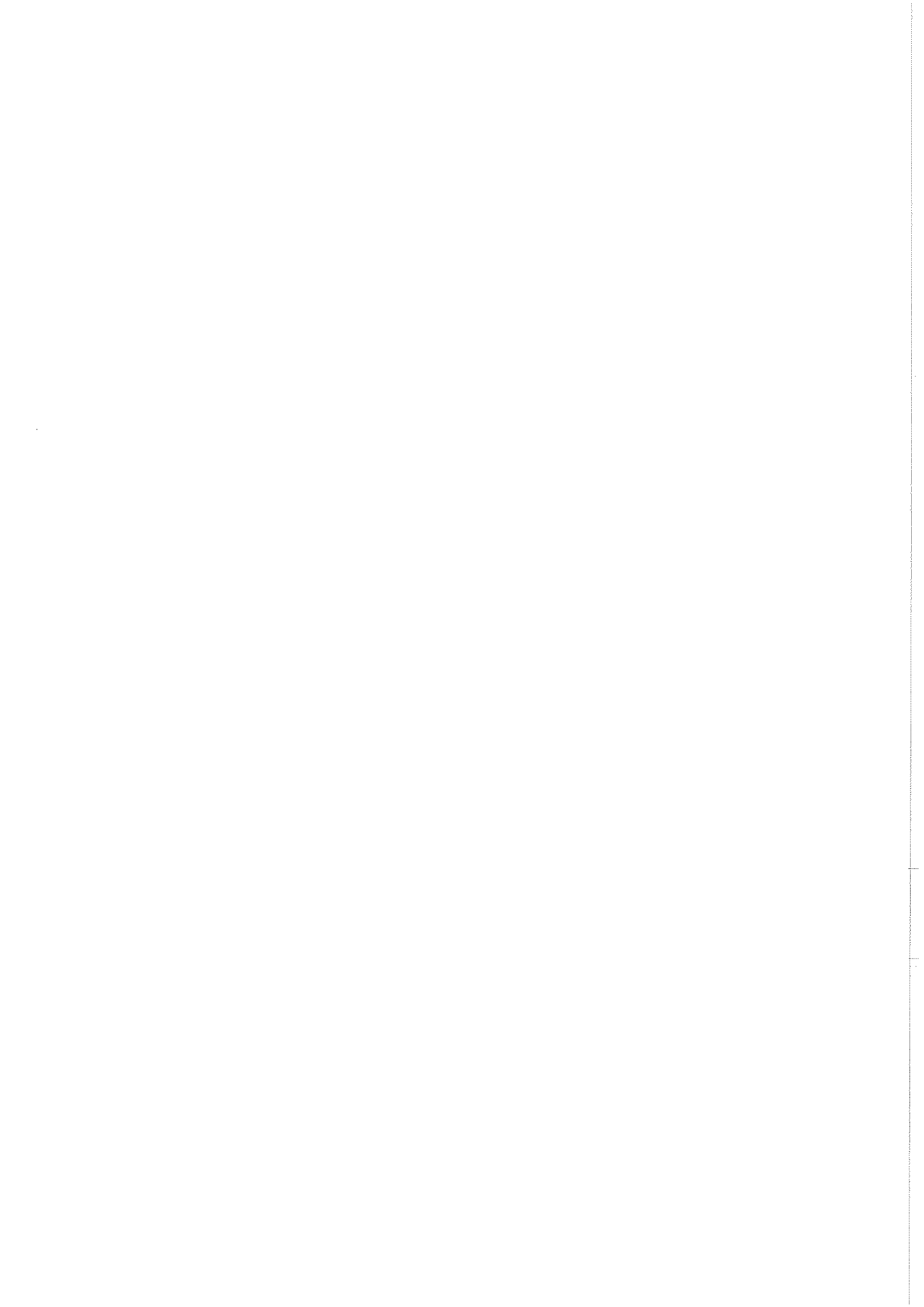
1. Describe the structure of a typical ecosystem.
2. Identify the causes and effects of air pollution.
3. Explain various In-Situ conservation strategies to conserve biodiversity.
4. What are the major threats to loss of biodiversity?

SECTION – B

Answer any THREE of the following:

3 X 10 = 30M

5. Explain briefly renewable energy resources.
6. Discuss global warming, acid rains and ozone depletion.
7. Describe environmental movements - Chipko and Salient valley.
8. Explain the causes, consequences and control measures of water pollution.
9. List out various alternate sources of energy.



SEE JAN'24

2022 Batch

22LSCT01/06-02-2024

ENVIRONMENTAL STUDIES

No. of Pages: 1

Roll No:

--

Max. Marks: 35M

Time: 2Hrs

Pass Min: 14M

No. of Questions: 09

~~~~~

**SECTION – A**

*Answer any THREE of the following:*

*3 X 5 = 15M*

1. Describe the importance of environmental education.
2. Explain the concept of global warming.
3. Discuss the impacts of population growth on the environment.
4. Enumerate the control measures for water pollution.
5. Discuss about Environment Protection Act.

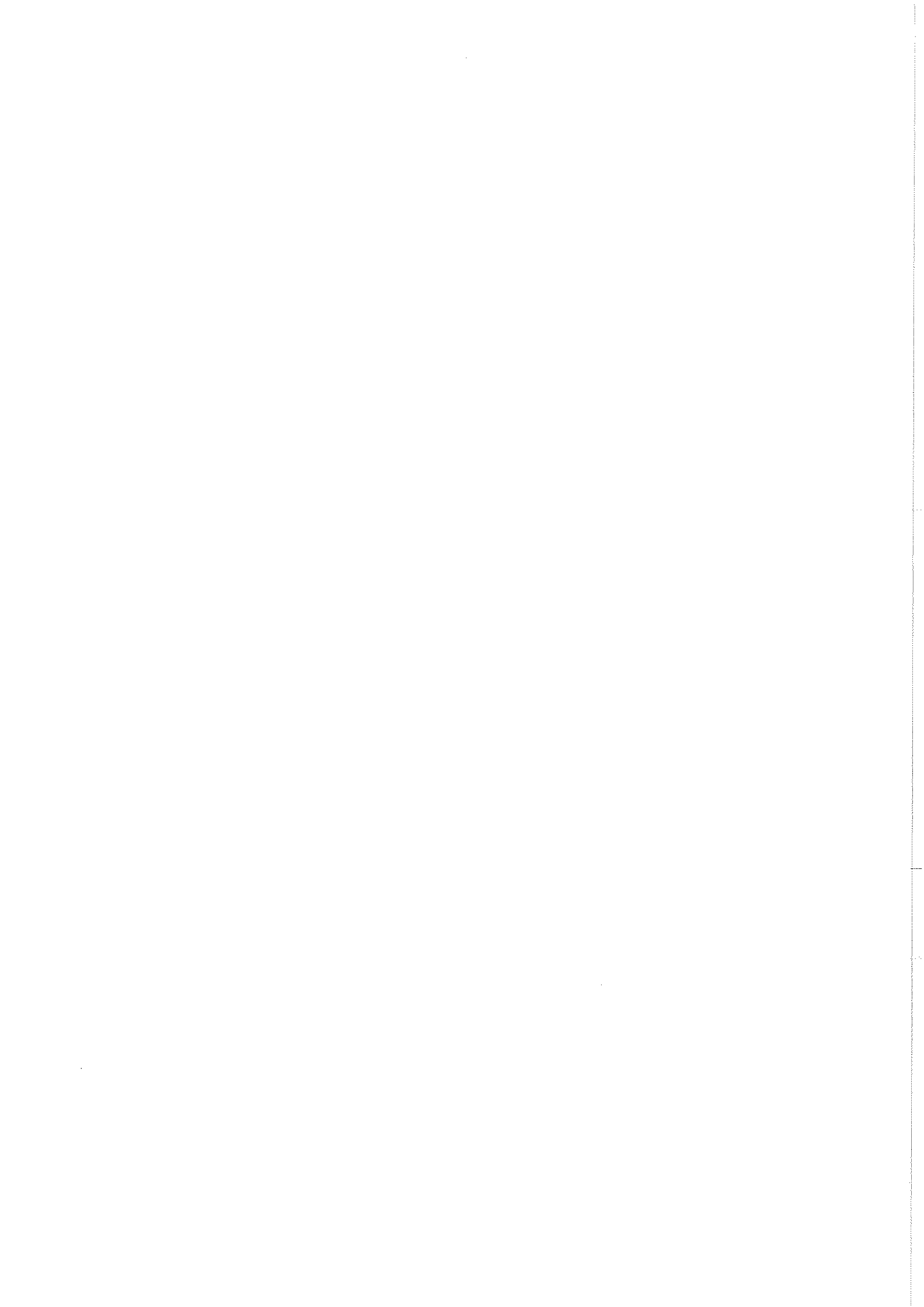
**SECTION – B**

*Answer any TWO of the following:*

*2 X 10 = 20M*

6. Describe the structure and functions of an ecosystem.
7. Define pollution. Discuss the causes, effects and control measures for air pollution.
8. What are non-renewable energy resources?  
Add a note on their utilization and influences.
9. Describe the historical significance and success of Bishnois of Rajasthan and Chipko Movements.

\*\*\*\*\*



SEE JAN'24

2023 Batch

23HIMDL101/06-02-2024

INDIAN HISTORY

No. of Pages: 1

|          |  |
|----------|--|
| Roll No: |  |
|----------|--|

Max. Marks: 35M

Time: 2Hrs

Pass Min: 14M

No. of Questions: 09



SECTION – A

Answer any **THREE** of the following:

3 X 5 = 15M

1. Evolution of history.
2. Harappan civilization.
3. Akbar religious policy.
4. Raja Ram Mohan Roy.
5. Non cooperation movement.

SECTION – B

Answer any **TWO** of the following:

2 X 10 = 20M

6. Explain Golden rule of Guptas.
7. Impact of Jainism and Buddhism on Indian society.
8. Examine the administrative and market reforms of Allauddin Khilji.
9. Causes and course of the 1857 Revolt.

\*\*\*\*\*



SEE JAN 2024

23CHMDL101 / 06-02-2024

Principles of Chemical Sciences

No. of Pages: 01

Roll No:

Max. Marks: 35M

Time: 2 Hrs

No. of Questions: 08

Pass Min.: 14M

\*\*\*\*\*

Section A

Answer any THREE of the following:

3 x 5 = 15M

1. Write a short note on Isotopes and Isobars with examples.
2. Write a note on Nuclear Fission.
3. Write a note on Octet rule.
4. Write the properties of Acids and Basel.
5. Write a note on  $P^H$ .

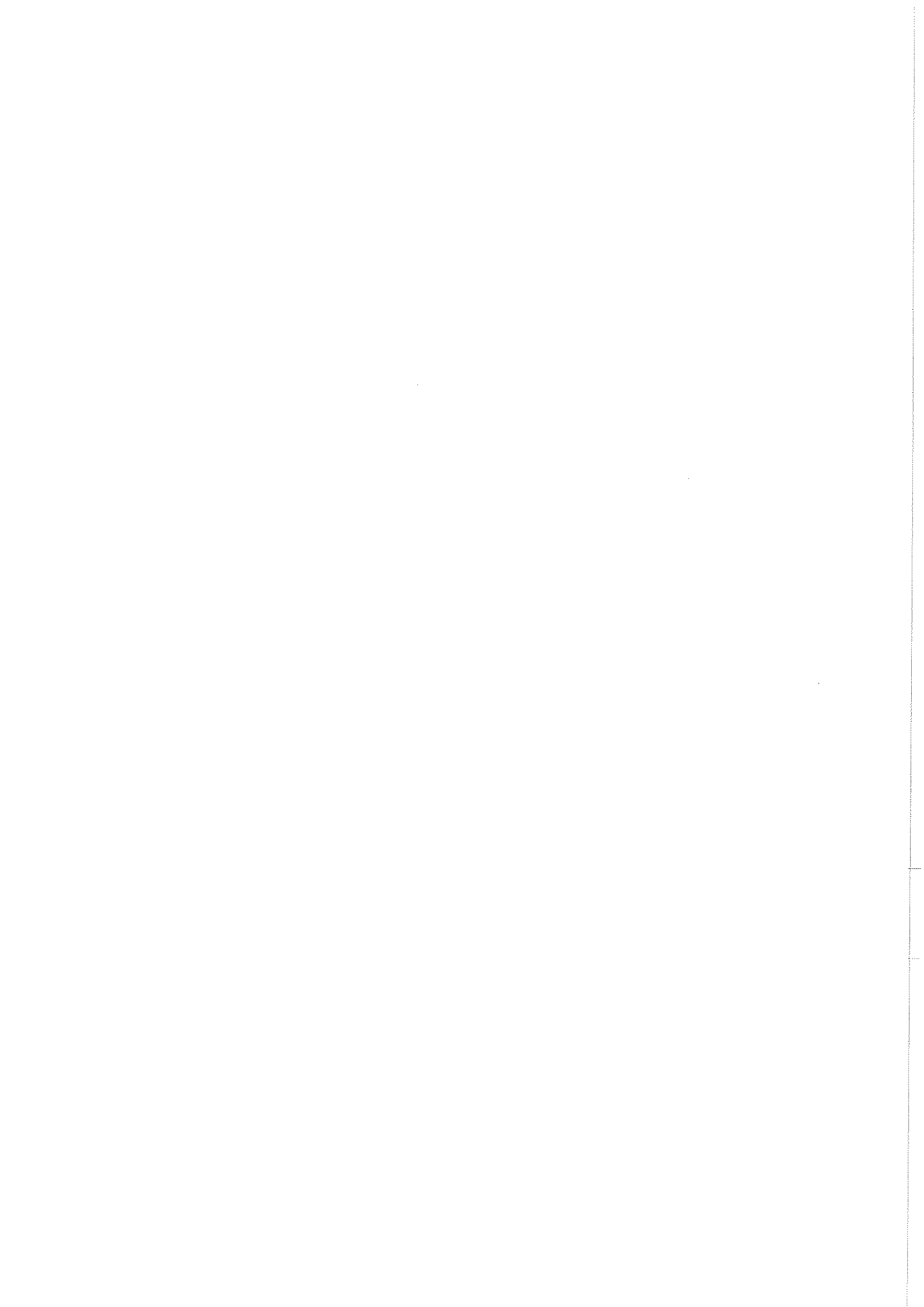
Section B

Answer any TWO of the following:

2 x 10 = 20M

6. Discuss about the Bohr's model of the atom and its limitation.
7. Explain salient features of long form of periodic table.
8. a) Define acids and bases and write their types. 5M  
b) Importance of chemistry in daily life. 5M

\* \* \*



## PRINCIPLES OF ACCOUNTING

Pages: 2

Time: 2Hrs

No. of Questions: 10

Roll No:

Max. Marks: 35M

Pass Min: 14M

## SECTION - A

Answer Any THREE Questions.

3 x 5 = 15M

1. Define Accounting and give its Importance.
2. Write about the concepts of Accounting.
3. Explain about the classification of Accounts and its rules.
4. Prepare Ramya Account from the following

| 2023                                   | Rs:    |
|----------------------------------------|--------|
| September 1 Goods Purchased from Ramya | 40,000 |
| 5 Cash paid to Ramya                   | 10,000 |
| 9 Goods returned to Ramya              | 2,000  |
| 15 Paid to Ramya by Cheque             | 7,800  |
| 20 Discount allowed by Ramya           | 5,000  |
| 24 Goods Purchased from Ramyasri       | 10,000 |
| 26 Furniture Purchased from Ramya      | 10,500 |
| 29 Goods Purchased from Ramya for Cash | 3,000  |

5. Write about different types of Cash Books
6. Prepare suitable Subsidiary Books from the following transactions

| 2023                                                           | Rs:    |
|----------------------------------------------------------------|--------|
| March 1 Goods Purchased from Ramana                            | 10,000 |
| 3 Goods sold to Radhika                                        | 14,500 |
| 4 Goods Purchased from Krishna                                 | 7,500  |
| 10 Goods sold to Radha                                         | 6,500  |
| 12 Goods sold to Ravi for Cash                                 | 4,800  |
| 16 Goods returned to Krishna                                   | 500    |
| 18 Goods returned by Radha                                     | 1,000  |
| 20 Goods Purchased from Rani with trade discount at 10% 10,000 |        |
| 25 Goods returned to Rani                                      | 500    |
| 28 Goods returned from Radhika                                 | 1,000  |

## SECTION - B

Answer any two of the following.  $2 \times 10 = 20M$

7. Explain different Branches of Accounting ?
8. How do you classify the subsidiary books and give the explanation?
9. Journalise the following transactions in the books of Sudhasri

| Date | Particulars                                               | Amount<br>Rs |
|------|-----------------------------------------------------------|--------------|
| June |                                                           |              |
| 1    | Started business with cash                                | 5,00,000     |
| 2    | Sales                                                     | 30,000       |
| 6    | Sold goods to Mahesh                                      | 35,000       |
| 8,   | Paid salary                                               | 2,000        |
| 11   | Sold goods to swathi for cash                             | 10,000       |
| 18   | Commission received                                       | 1,000        |
| 20   | Cash paid to pramod                                       | 6,000        |
| 25   | Goods withdrawn for domestic use                          | 5,000        |
| 28   | Interests received                                        | 500          |
| 29   | Cash paid to Raman Rs.4,900 after receiving a discount of | 100          |
| 30   | Commission paid                                           | 300          |
| 30   | Cash sales                                                | 1000         |

10. From the following balance taken from the ledger of Siddarth Kowshik you are require to prepare trail balance.

| Particulars         | Amount | Particulars        | Amount |
|---------------------|--------|--------------------|--------|
| Purchases           | 15,750 | Sales              | 21000  |
| Return inwards      | 600    | Carriage           | 50     |
| Freight outwards    | 65     | Salaries and taxes | 526    |
| Travelling expenses | 387    | Opening stock      | 12000  |
| Discount allowed    | 225    | Discount received  | 110    |
| Commission paid     | 108    | Bank account       | 6027   |
| Sundry debtors      | 6,800  | Trade creditors    | 5000   |
| Capital account     | 28,500 | Drawing account    | 4500   |
| Bills receivable    | 8,000  | Bills payable      | 2000   |
| Closing stock       | 15,800 |                    |        |

= X =



AG & SG Siddhartha Degree College of Arts & Science (AUTONOMOUS)  
VUYYURU - 521 165.

No. of Pages : 03

Question Paper

No. of Questions : 23

Course Code (s) : ..... 21, 31 .....

SEM - II

DD/MM/YY :

0 6 0 2 2 0 2 4

Subject : ..... ENGLISH .....

Paper Code : ..... ENG - 201 .....

Min Marks : 28

Title of the Paper : ..... English Praxis Course - II .....

Time : 3:00 Hrs.

Regd. No :

Max Marks : 70

SECTION – A

Answer any **THREE** of the following in about 50 words each.

3x4=12M

1. What are suggestion given by Subhash Chandra Bose while addressing to the students.
2. "Where are we to recruit our political workers and where are we to train them?" - Explain in Bose's speech.
3. Summarize the story "The Night Train at Doeli".
4. What are difference between "innocence and experience" in the view of K. Mansfield.
5. Sketch the character of Kezia.

Answer any **THREE** of the following in about 50 words each.

3x4=12M

6. Summarize the theme of the poem "Upagupta".
7. Why upagupta did not accept the invitation of the dancing girl?
8. What is main theme of the poem "Coromandel fishers".
9. What is main thought in Shelley's 'Ode to the west wind'.
10. 'Coromandel fishers' is a symbol of freedom - Explain.
11. What qualities of the west wind are glorified in shelley's "Ode to west wind"?

Answer any **THREE** of the following in about 50 words each.

3x4=12M

12. What is the Irony of the story the astrologer's day.
13. Sketch the character of astrologer.
14. What is the relevant Socio-historical background of girls by Mrinal pande?
15. Keep inview of the story girls comment on the social setup of Indian society.
16. The nursing profession an unsuitable career for Florence - Explain.
17. Write a note on the important contributions of Florence Nightingale.

**SECTION - B**

18. Fill in the blanks with the appropriate form of the words given in the brackets.

$4 \times \frac{1}{2} = 2M$

- a) Mr. Park's lessons are really \_\_\_\_\_, I hate his lessons (bore)
- b) My sisters are very \_\_\_\_\_ (ambition)
- c) I am so \_\_\_\_\_ that we are going to New York tomorrow (excite)
- d) Women wear these skirts \_\_\_\_\_ (tradition).

19. Choose the correct alternative which can be substituted for the below given sentence.  $4 \times \frac{1}{2} = 2M$

- a) An examination of a dead body is called as \_\_\_\_\_
  - i) Autopsy
  - ii) Morgue
- b) A person who eats too much is called as \_\_\_\_\_
  - i) Glutton
  - ii) Cannibas
- c) A physician who diagnoses and interprets the change by disease in tissues and body fluids.
  - i) Optometrist
  - ii) Pathologist
- d) A person who talks in sleep is called as \_\_\_\_\_
  - i) Somniloquist
  - ii) Somnambulist

20. Choose the best answer to fill the gap in each of the following sentences.

$4 \times \frac{1}{2} = 2M$

- a) The meeting took almost five hours so it was impossible to pay/ keep/have attention all the time.
- b) It took us all day to clean up the office after the burglary-the thieves made/took/had a terrible mess.
- c) I don't think we should make/hold/create a decision yet; we should wait.
- d) Only 31% of the students who had/ took/ wrote the final exam passed it.

21. Fill in the appropriate form of one of the phrasal verbs from the bracket below.

$4 \times 1 = 4M$

- a) I looked for my key every where but I couldn't \_\_\_\_\_ where I put them.
- b) Although he tried to eat less he \_\_\_\_\_ some weight during the holidays.
- c) Our plane \_\_\_\_\_ an hour late because of the fog.
- d) My son drove me crazy about buying a new bike, so finally I \_\_\_\_\_

( Figure out, give in, put on, take off )

(OR)

Use the following expressions in your own sentences.

- (a) A blessing in disguise                      (b) Once in a blue moon  
(c) Turn a blind eye                              (d) Weather the storm

22. Read the following paragraph and make notes: 4M

Currency notes of 500 and 1,000 denominations will not be legal tender beginning November 9, this is aimed at curbing the negative impact of fake currency, black money, corruption and terrorism on the nations economy. New notes of 500 and 2,000 will be released and circulated soon. ATM will not work on Nov 9 and at some places on Nov 10 as well 500 and 1000 notes can be deposited at post office and bank without any charge till Dec, 30. Bank will be close for the public business on Nov 9, to allow them to tackle the rush of people who might want to deposit their notes. Cashless fund transfers will remain unaffected. Your money is your. You will not loose anything, the government will ensure that.

**SECTION - C**

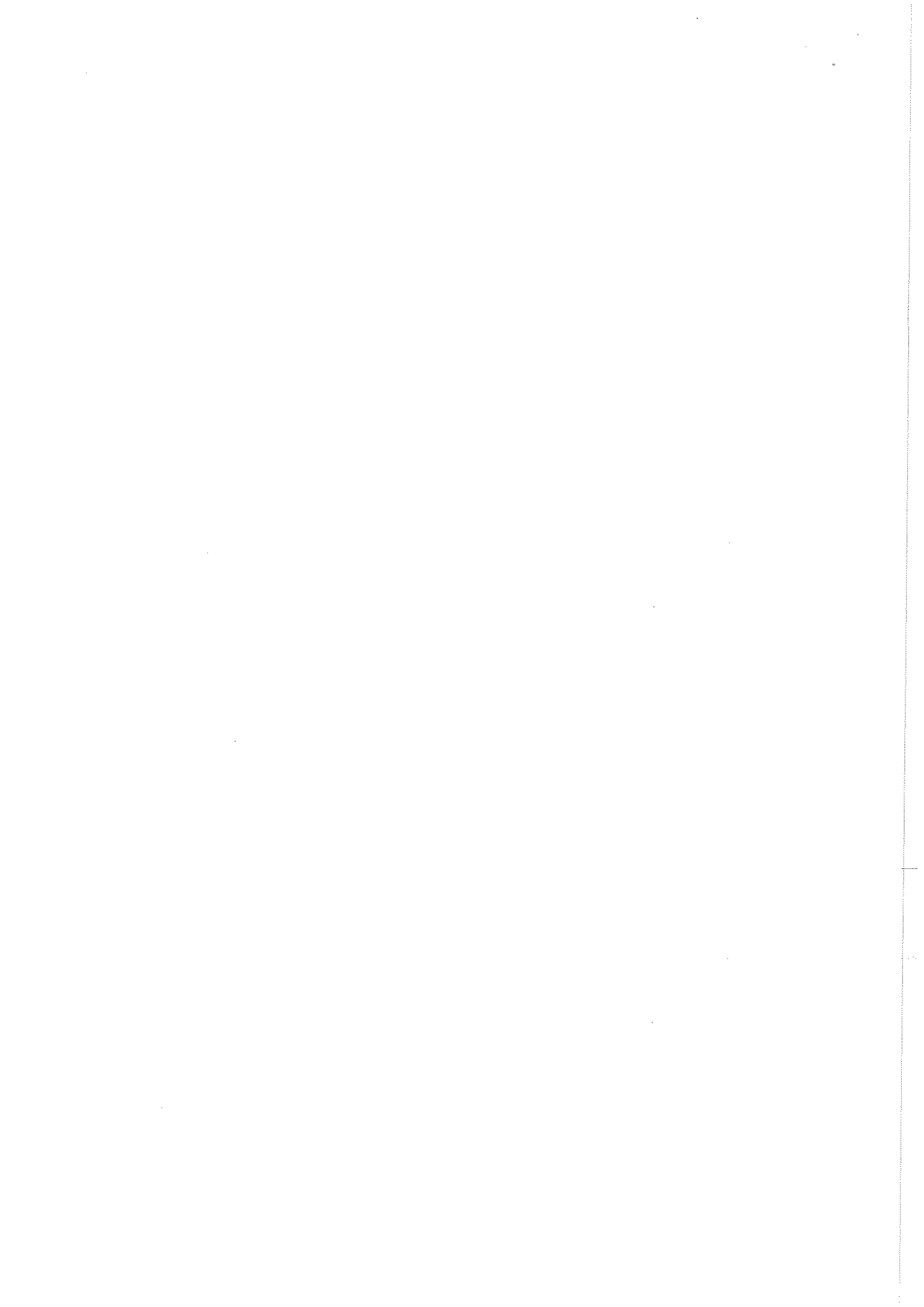
23. Answer **ALL** the questions.

1. Prepare an agenda and minutes informing the holding of Board of Directors meeting regarding a new project to be taken up. 4M
2. Expand your ideas on the topic 'A friend in need is a friend indeed'. 4M

(OR)

Write a paragraph on 'The impact of Cell phone/Media on youth in the present scenario'.

3. Prepare a curriculum vitae in response to the advertisement below. 4M  
Write a Resume for the post of receptionist, the candidate must be a graduate with fluence in English and knowledge of computers.
4. Write a letter to the Municipal Commissioner complaining about noise pollution in your area. 4M
5. Write an e-mail to the manager-manager@gmail.com (or) to the BIG.C@mobileshop to get details of I Pro 15 (like it's memory, power of lense, battery power) 4M



SEE JAN 2024

22LSCT11-AG&SG / 06-02-2024

Personality Enhancement & Leadership

No. of Pages: 01

Roll No:

Max. Marks: 35M

Time: 2 Hrs

No. of Questions: 09

Pass Min.: 14M

\*\*\*\*\*

Section A

Answer any THREE of the following:

3 x 5 = 15M

1. Differentiate briefly between the various approaches of personality.
2. Classify the projective techniques of personality assessment.
3. What is meant by self confidence?
4. Who is your favorite leader and why?
5. Self – efficacy.

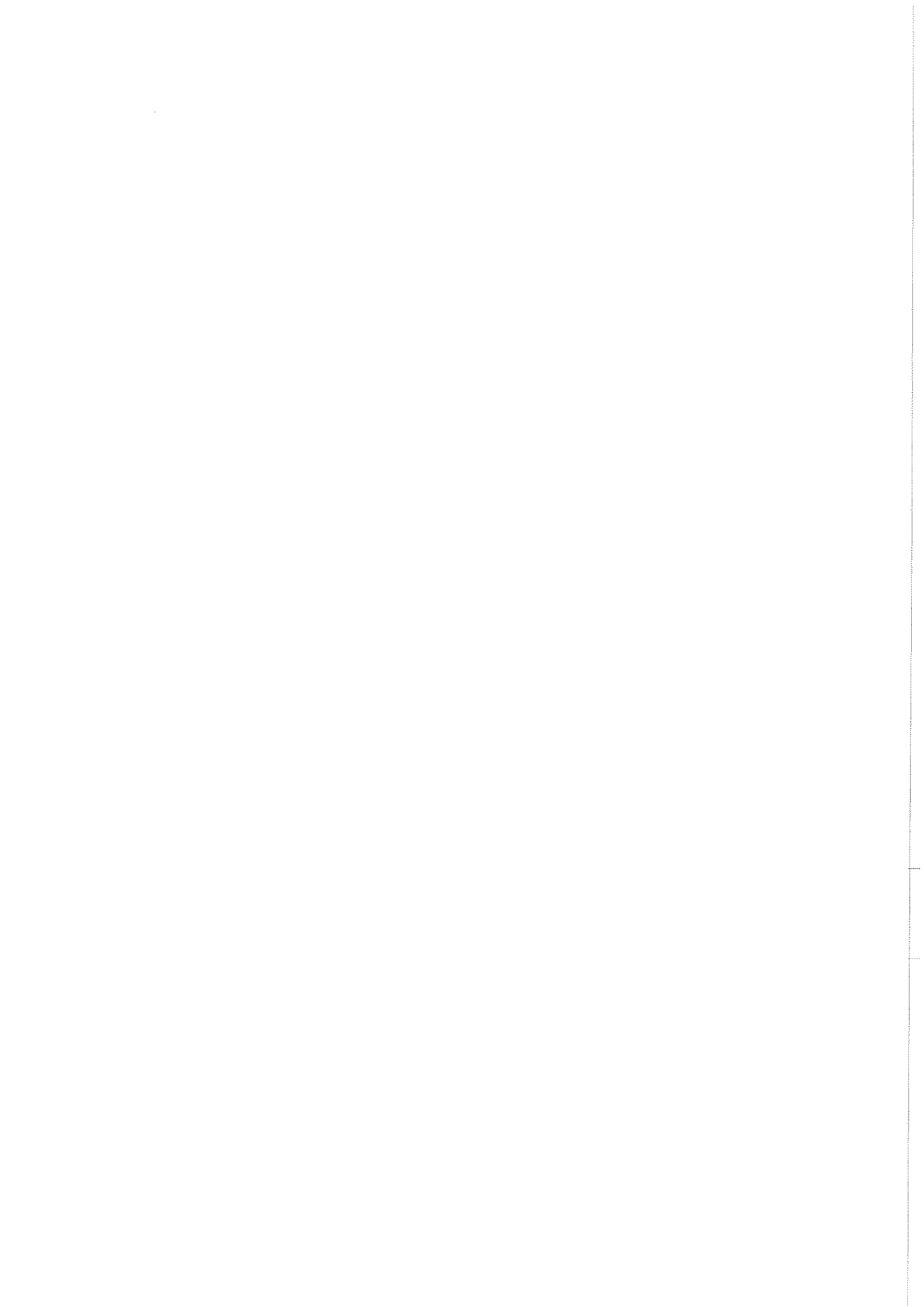
Section B

Answer any TWO of the following:

2 x 10 = 20M

6. Describe how the five – factor model helps us to understand human behavior.
7. Explain the human personality development.
8. How are behavioural assessments used in personality testing?
9. Write an essay on leadership of Dr. B. R. Ambedker.

\* \* \*



SEE JAN'24

**SDC MGT T01 = SDC COM TO3/ 06/02/2024**  
**ONLINE BUSINESS**

No. of Pages: 1

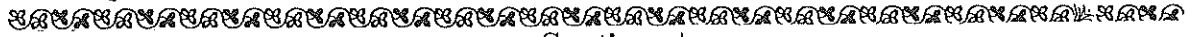
Time: 2Hrs

No. of Questions: 11

|          |  |
|----------|--|
| Roll No: |  |
|----------|--|

Max. Marks: 40M

Pass Min: 16M



**Section-A**

**Answer any FIVE of the following:**

**5×4=20M**

1. Write about E-commerce and the uses of Online Business.
2. Define various advantages of Online Business.
3. What are the differences between Offline and Online Business?
4. List out few Demand aggregation strategies in Online Business.
5. Explain how JIT work.
6. Outline the different types of e-commerce models.
7. What is meant by Cryptography?
8. Explain the steps involved during E-Payment.

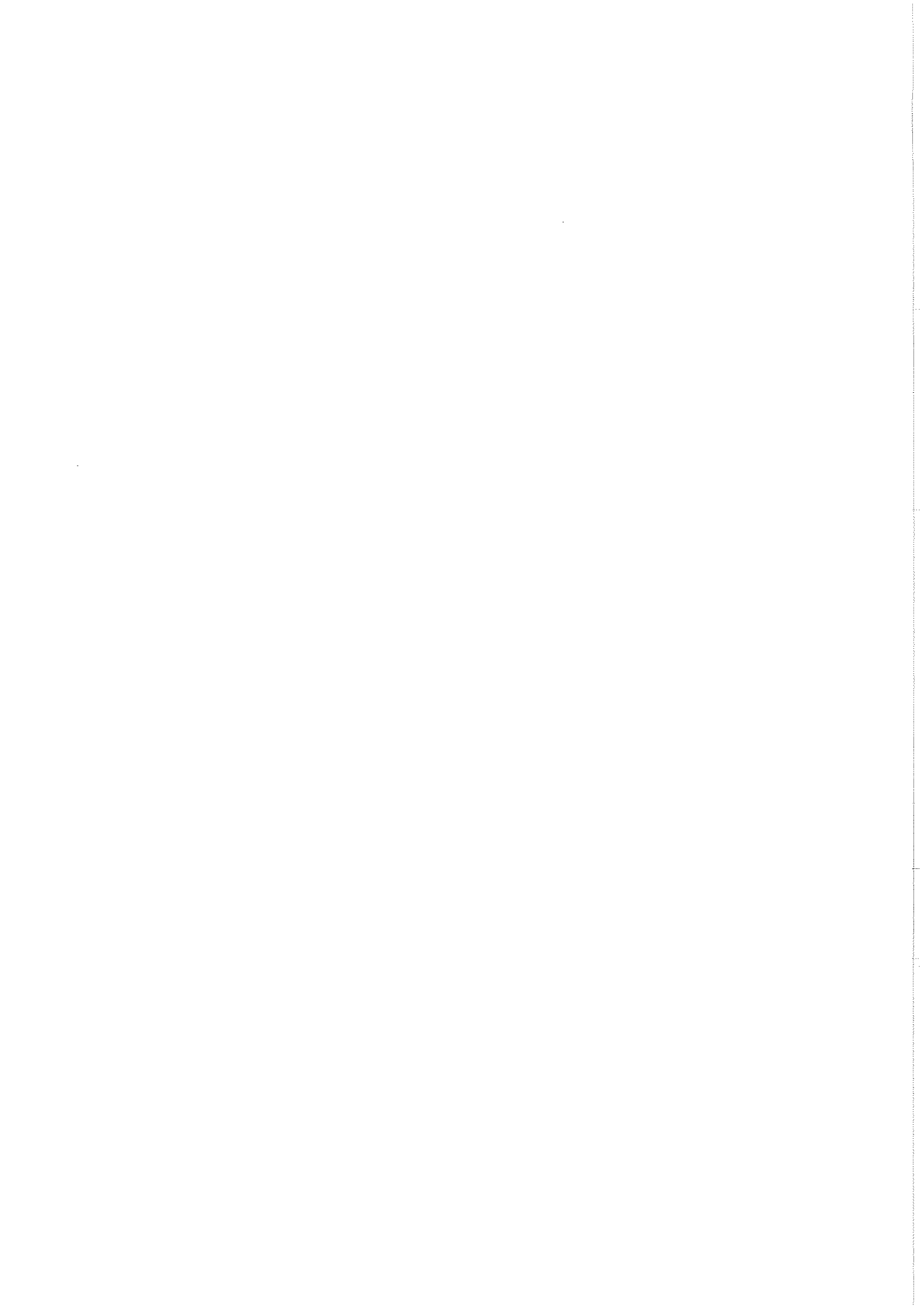
**Section-B**

**Answer any TWO of the following questions:**

**2×10=20M**

9. What are the Characteristics of Online Business?
10. Explain about E-Logistics and Supply Chain Management in detail.
11. Explain in details about various Fulfilment models in Online Business.

*2 10 =*





No. of Pages : 01

Question Paper

No. of Questions : 16

Course Code (s) : ..... 41, 53 .....

SEM - IV

DD/MM/YY :

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 0 | 6 | 0 | 2 | 2 | 0 | 2 | 4 |
|---|---|---|---|---|---|---|---|

Subject : ..... CHEMISTRY .....

Paper Code : ..... CHE - 402 .....

Min Marks : 28

Title of the Paper : ..... Inorganic and Physical Chemistry .....

Time : 3:00 Hrs.

Regd. No :

|  |  |  |  |  |  |  |  |
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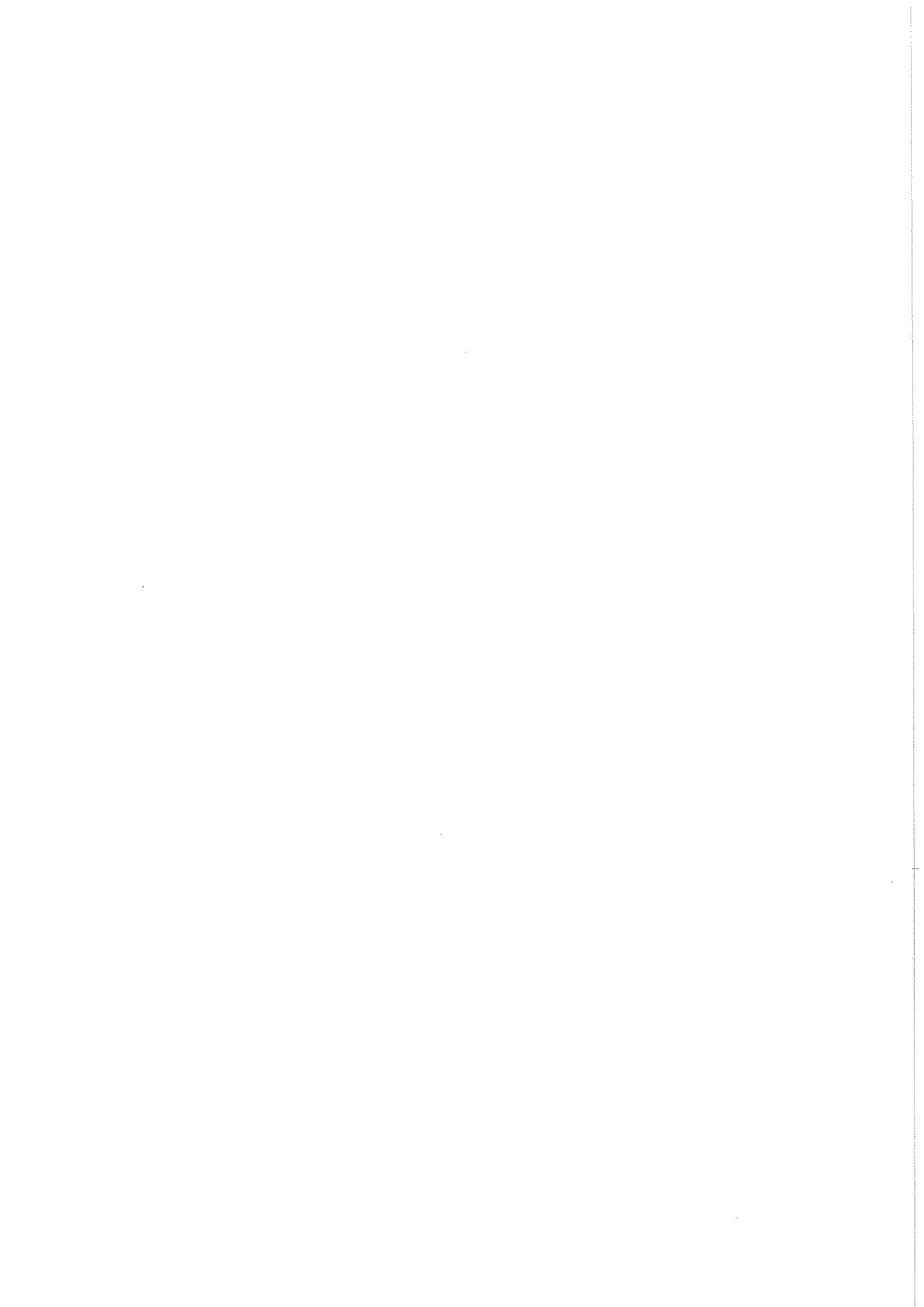
Max Marks : 70

**SECTION - A**Answer any **FOUR** of the following. Each question carries **FIVE** marks.**4x5=20M**

1. What are outer and inner orbital complexes.
2. Define labile and inert complexes.
3. Write a note on Chelate effect.
4. Describe Job's method for determination of composition of complex.
5. Give the structure of Hemoglobin.
6. Explain the terms in Gibb's phase rule.
7. Derive Nernst equation.
8. Write Arrhenius equation.

**SECTION - B**Answer any **FIVE** of the following. Each question carries **TEN** marks.**5x10=50M**

9. Explain crystal field splitting in square planar and octahedral complexes.
10. Explain the geometrical isomerism in coordination complexes.
11. Describe the ligand Substitution reactions  $SN^1$  and  $SN^2$ .
12. Explain Trans effect and theories of Trans effect.
13. Explain the phase diagram for lead silver system.
14. Write a note on Kholrausch's law and its applications.
15. Describe general methods for determination of order of reaction.
16. Derive rate expression for first order reaction.



## Solar Energy

No. of Pages: 01

Roll No:

Max. Marks: 40M

Time: 2 Hrs

No. of Questions: 10

Pass Min.: 16M

\*\*\*\*\*

SECTION – AAnswer any **Two** questions. Each question carries 5 marks.

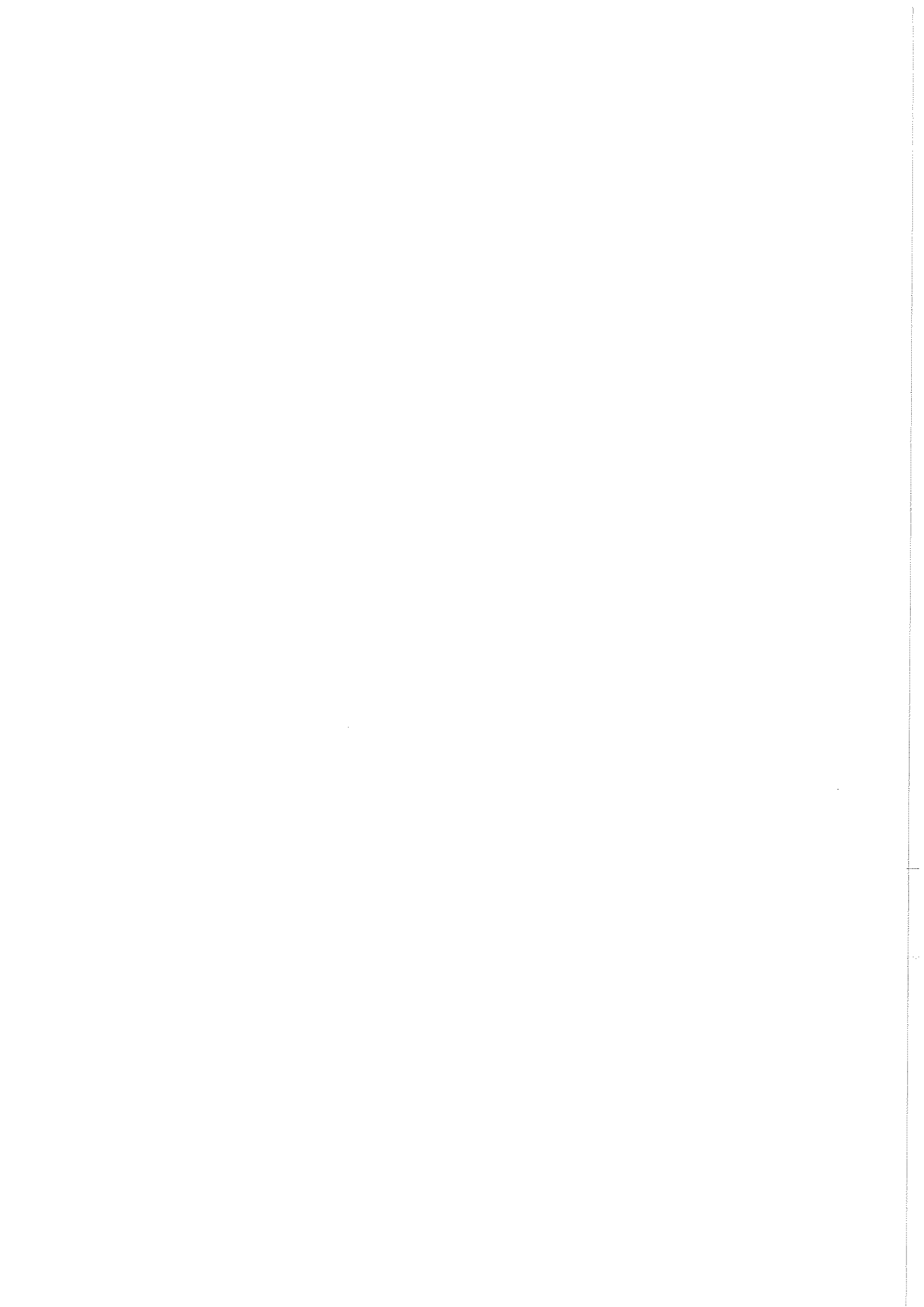
(2 x 5 = 10 M)

1. Explain the construction and working of a Sun Shine Recorder.
2. Write a short note on Solar Pond.
3. Explain the process of Solar Distillation with a neat diagram.
4. Write a short note on Street Lighting.

SECTION – BAnswer any **Three** of questions. Each question carries 10 marks

(3 x 10 = 30 M)

5. Explain the principle, construction & working of a Pyroheliometer.
6. Explain the principle, construction & working of a Pyranometer.
7. Explain the construction and working of Flat Plate collectors and Concentrating collectors.
8. Discuss in detail about the principle, construction and working of a Solar Cookers.
9. Explain the series and parallel combination of Solar cells.
10. What is Photovoltaic cell? Explain the principle of working of solar photovoltaic cell.



AGSG

23 BATCH

23MASDL102/07-02-2024

SEE JAN'24

ANALYTICAL SKILLS-I

Pages: 6  
Time: 2Hrs

|          |  |
|----------|--|
| Roll No: |  |
|----------|--|

Max. Marks: 35M  
Pass Min: 14M

No. of Questions: 70

Answer the following questions.

70 x ½ = 35 M

Directions ( 1 to 5 ) :- Missing term in a Sequence.

- 1) 36, 34, 30, 28, 24, \_\_\_\_  
a) 20      b) 22      c) 23      d) 26      e) 21
- 2) 18, \_\_\_\_, 100, 180, 294, 448  
a) 48      b) 50      c) 58      d) 60      e) 80
- 3) 1, 2, 3, 10, \_\_\_\_, 9802  
a) 99      b) 299      c) 199      d) 599      e) 999
- 4) SCD, TEF, UGH, \_\_\_\_, WKL  
a) CMN      b) IJT      c) VIJ      d) UII      e) UIJ
- 5) AC, EH, IM, MR, \_\_\_\_  
a) MI      b) IM      c) IL      d) QW      e) OY

Directions ( 6 to 10 ) :- Find odd term in a Sequence.

- 6) 3, 5, 11, 14, 17, 21  
a) 21      b) 17      c) 14      d) 3      e) 5
- 7) 8, 27, 64, 100, 125, 216, 343  
a) 27      b) 100      c) 125      d) 343      e) 216
- 8) 396, 462, 572, 427, 671, 264  
a) 396      b) 427      c) 671      d) 264      e) 572
- 9) AZ, YB, CX, UD, EV  
a) AZ      b) YB      c) CX      d) UD      e) EV
- 10) a) Screw      b) Hammer      c) Needle      d) Pin      e) None
- 11) Newspaper : Press :: Cloth : \_\_\_\_  
a) Tailor      b) Textile      c) Fibre      d) Factory      e) Mill
- 12) Moon : Satellite :: Earth : \_\_\_\_  
a) Sun      b) Planet      c) Solar System      d) Asteroid      e) None
- 13) Forecast : Future :: Regret : \_\_\_\_  
a) Present      b) Atone      c) Past      d) Sins      e) None
- 14) Melt : Liquid :: Freeze : \_\_\_\_  
a) Ice      b) Condense      c) Water      d) Crystal      e) Solid

(PTO)

SEE JAN'24

15) Paw : Cat :: Hoof : \_\_\_\_

- a) Horse    b) Lion    c) Lamb    d) Elephant    e) Tiger

Directions ( 16 to 20) :- Answer the following questions by using the series.

H # K O & L \$ % X I A V E @ ? D + F M

- 16) How many symbols in the given series are immediately preceded by a vowel?  
 a) 1    b) 2    c) 3    d) 4    e) 5
- 17) Which is the seventh element from the left of the 15<sup>th</sup> element from left?  
 a) A    b) \$    c) ?    d) D    e) %
- 18) How many such consonants are there in the given series, each of which is immediately preceded by a vowel and succeeded by a symbol?  
 a) 4    b) 6    c) 1    d) 2    e) 5
- 19) Which element is placed 4<sup>th</sup> to the right of 11<sup>th</sup> element from left?  
 a) D    b) +    c) #    d) ?    e) M
- 20) K - 3, \$ - 7, \_\_\_\_, E - 13, +- 17.  
 a) L - 6    b) X - 9    c) A - 11    d) V - 12    e) None
- 21) If GROWN is coded as ABCDE in a certain code language. How can WRONG be coded in the same language?  
 a) DBACE    b) DBAEC    c) DBCAE    d) DBCEA    e) DCEBA
- 22) If in a certain language, PAPER is written as OZODQ. Which word would be written as RZKD?  
 a) SEAL    b) SALE    c) SELL    d) SKIP    e) SLAE
- 23) In a certain language, TRY is coded as ABC and SHAPE is coded as DEFGH. How can THREE be coded in the same language?  
 a) ABEHH    b) BAEFH    c) AECHF    d) AEBHH    e) ABEEH
- 24) If the letters in PRABA are coded as 27595 and THILAK are coded as 368451, how can BHARATI be coded?  
 a) 9567568    b) 9675538    c) 9657538    d) 9567538    e) 9675383
- 25) In certain code 'HILTON' is written as 'IHTLNO'. How is 'BILLION' written in that code?  
 a) IBLLION    b) IBOILLN    c) IBLLOIN    d) IBLOLN    e) IBLOLIN
- 26) In a certain code 'MOTHER' is written as OMHURE. How will 'ANSWER' be written in that code  
 a) NBWTRD    b) NBWRRF    c) NBXSSE    d) NBYSRF    e) NBSYFR
- 27) If 'table' is called 'chair'; 'chair' is called 'cupboard', 'cupboard' is called 'chalk', 'chalk' is called 'book', 'book' is called 'duster' and 'duster' is called 'table', what does the teacher use to write on the black board?  
 a) Table    b) book    c) duster    d) cupboard    e) Chair

SEE JAN'24

- 28) A is the mother of B, C is the father of B and C has 3 children. On the basis of this information, find out which of the following relations is correct:  
 a) C has three daughters. b) C has three sons. c) B is the son. d) A has two sons e) None
- 29) Introducing Rajesh, Neha said, His brother's father is the only son of my grandfather. How Neha is related to Rajesh?  
 a) Sister b) Daughter c) Mother d) Niece e) None
- 30) Interaduction Asha to guest Bhasker said "Her father is only son of my father" How is Asha related to Bhasker.  
 a) Daughter b) Mother c) Aunt d) Mother in law e) None
- 31) A is the mother of D and Sister of B, B has a daughter C what is married F, G is the Husband of A, How is G related to D.  
 a) Son b) Father c) Uncle d) Brother e) None
- 32) P is the brother of Q, R is the sister of Q. How is the P related to R.  
 a) Sister b) Mother c) Brother d) Father. e) None
- 33) Sheela is Ravi's sister in law. Ram is Ravi's brother, Ram's wife is Sheela, Deepa is Ravi's sister. Deepa mother is santhi .How is sheela related to santhi.  
 a) Daughter in law b) Aunt c) Daughter d) Sister e) None
- 34) How many times in a day, are the hands of a clock in straight line but opposite in direction?  
 a) 20 b) 22 c) 24 d) 48 e) 44
- 35) How many times are the hands of a clock at right angle in a day?  
 a) 22 b) 24 c) 42 d) 48 e) 44
- 36) At what time between 5.30 and 6 will the hands of clock be at right angles?  
 a) 40 min. past 5 b) 45 min. past 5 c) 43 min. past 5 d) 43 min. Past 5 e) None
- 37) At what time between 4 and 5 o'clock will the hands of a watch point in opposite directions?  
 a) 40 min. past 4 b) 45 min. past 4  
 c) 50(4/11) min. past 4 d) 54(6/11) min. past 4 e) None
- 38) A clock is started at noon By 10 minutes past 5, the hour hand has turned through  
 a) 140° b) 145° c) 150° d) 155° e) 180°
- 39) Find the angle between two hands of a clock are at 4:20 min.  
 a) 10° b) 20° c) 15° d) 25° e) 30°
- 40) At what angle the hands of a clock are inclined at 15 minutes past 5?  
 a)  $58\frac{1}{2}^\circ$  b)  $64\frac{1}{2}^\circ$  c)  $67\frac{1}{2}^\circ$  d)  $72\frac{1}{2}^\circ$  e) None
- 41) The first republic day of India was celebrated on 26th January, 1950. It was  
 a) Monday b) Tuesday c) Thursday d) Friday e) Sunday
- 42) India got independence on August 15, 1947. What was the day of the week?  
 a) Monday b) Friday c) Thursday d) Sunday e) Tuesday

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43) How many days are there from 2nd January 1995 to 15th March 1995?

- a) 71      b) 72      c) 73      d) 74      e) 75

44) Today is 1<sup>st</sup> April. The day of the week is Wednesday. The day of the week on this day after 3 years will be

- a) Saturday    b) Sunday    c) Friday    d) Tuesday    e) Monday

45) How many weekends in a year?

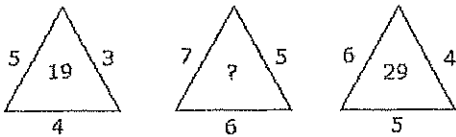
- a) 52      b) 53      c) 54      d) 55      e) 56

46) Which one will replace the question mark?

|                |                |                 |
|----------------|----------------|-----------------|
| A <sub>2</sub> | C <sub>4</sub> | E <sub>6</sub>  |
| G <sub>3</sub> | I <sub>5</sub> | ?               |
| M <sub>5</sub> | O <sub>9</sub> | Q <sub>14</sub> |

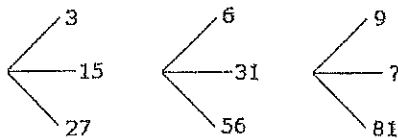
- a) L<sub>10</sub>      b) K<sub>15</sub>      c) I<sub>15</sub>      d) K<sub>8</sub>      e) K<sub>12</sub>

47) Which one will replace the question mark?



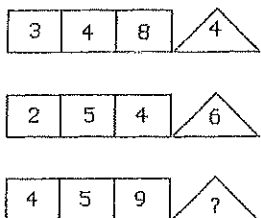
- a) 25      b) 37      c) 41      d) 47      e) 45

48) Which one will replace the question mark?



- a) 45      b) 41      c) 32      d) 40      e) 43

49) Which one will replace the question mark?

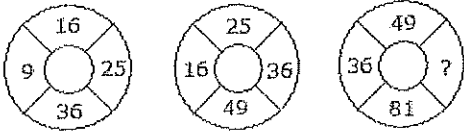


- a) 8      b) 9      c) 10      d) 11      e) 12



SEE JAN'24

50) Which one will replace the question mark?



- a) 64      b) 44      c) 69      d) 25      e) 45

51) Rakesh is on 9th position from upwards and on 38th position from downwards in a class. How many students are in the class?

- a) 47      b) 45      c) 46      d) 48      e) 49

52) Hemanth is 16th from the top and twelfth from the bottom in merit in the class. How many students are there in the class?

- a) 23      b) 24      c) 25      d) 26      e) 27

53) Sunita ranked 11th from the top and 27th from the bottom in a class. How many students are in the class?

- a) 38      b) 28      c) 40      d) 42      e) 37

54) Mohan and Ramesh are ranked seventh and eleventh respectively from the top in a class of 41 students. What will be their respective ranks from the bottom in the class?

- a) 30<sup>th</sup> and 34<sup>th</sup>      b) 34<sup>th</sup> and 30<sup>th</sup>      c) 35<sup>th</sup> and 31<sup>st</sup>      d) 36<sup>th</sup> and 32<sup>nd</sup>      e) None

55) In a class of 45 students, among those students who passed, Anmol secured 11th position from upwards and 15th from downwards. How many students failed?

- a) 19      b) 20      c) 15      d) 18      e) 17

56) In a class of 20 students, Alisha's rank is 15th from the top. Manav is 4 ranks above Alisha. What is Manav's rank from the bottom?

- a) 10<sup>th</sup>      b) 11<sup>th</sup>      c) 9<sup>th</sup>      d) 12<sup>th</sup>      e) 13<sup>th</sup>

**Direction (57 – 62 :** Study the following information and answer the given question

Eight people – A, B, C, D, E, F, G & H are sitting around a circular table facing the centre with equal distance between each other but not necessarily in the same order. E is sitting second to the right of H. Only two people are sitting between H and D. A is to the immediate right of D. Only three people are sitting between D and C. F is to the immediate left of B. F and A are not immediate neighbors to each other.

57) Four of the following five are alike in a certain way based on their positions in the arrangement and hence form a group. Which one does not belong to that group?

- a) CHB      b) GAE      c) FGA      d) ADC      e) EDC

58) Who is sitting second to the right of G?

- a) D      b) C      c) B      d) H      e) E

59) What is E's position with respect to the one who is to the immediate left of D?

- a) Second to the right      b) Immediate left      c) Second to the left      d) Third to the right

SEE JAN'24

e) Third to the left

60) Who is sitting exactly between the one who is to the immediate left of G and the one who is to the immediate right of F?

- a) H      b) A      c) D      d) E      e) B

61) How many people are sitting between C and B when counted in the anticlockwise direction starting from C?

- a) More than three   b) Two   c) Three   d) one   e) None

62) Who is third to the right of B?

- a) A      b) B      c) C      d) G      e) D

**Direction (63 – 67):** Study the given information carefully to answer the given question

Arun is going 5m towards north direction to meet Balu then he taken 8m east direction to reach Harsha and then he taken 10m south direction to reach Megha and then he taken 13m west direction Mitra and finally he taken 5m towards north direction to reach Rudra.

63) Rudra is in which direction with respect to Balu?

- a) North - east   b) South   c) North-west   d) South-west   e) South - east

64) What is the distance between Mitra and Harsh(approx.)?

- a) 15m      b) 16m      c) 14m      d) 17m      e) 18m

65) Who has the shortest distance between them?

- a) Arun-Harsha   b) Mitra-Arun   c) Megha-Arun   d) Balu-Rudra   e) Arun-Rudra

66) Four of the following five are alike in a certain way based on their position in the arrangement which one does not belong to that group?

- a) Rudra-Balu   b) Arun-Harsha   c) Mitra-Arun   d) Rudra-Harsha   e) Megha-Mitra

67) What is the distance between Rudra and Arun?

- a) 5      b) 8      c) 10      d) 13      e) 6

**Direction (68 – 70):** Study the given information carefully to answer the given question

Point A is 9m towards the east of point B, point C 5m towards the south of point A. Point D is 3m towards the west of Point C. Point E is 5m towards the north of Point D. point F is 7m towards the South of Point D.

68) Which of the following points are straight line?

- a) FCD      b) AEB      c) EBD      d) ECA      e) DCE

69) What is B position with respect to C?

- a) South-east   b) North      c) North-east   d) South-west   e) North - west

70) How far E is from point B?

- a) 6m      b) 5m      c) 4m      d) 3m      e) 2m

SEE JAN 2024

22SDCPOLT01 / 07-02-2024

## Public Relations

No. of Pages: 01

Roll No:

Max. Marks: 35M

Time: 2 Hrs

No. of Questions: 09

Pass Min.: 14M

\*\*\*\*\*

Section A

Answer any THREE of the following:

3 x 5 = 15M

1. What are the objectives of public relations?
2. Write about N.G.Os.
3. Write about Webcasts.
4. Write about five ethics of public relations.
5. Write about news letters.

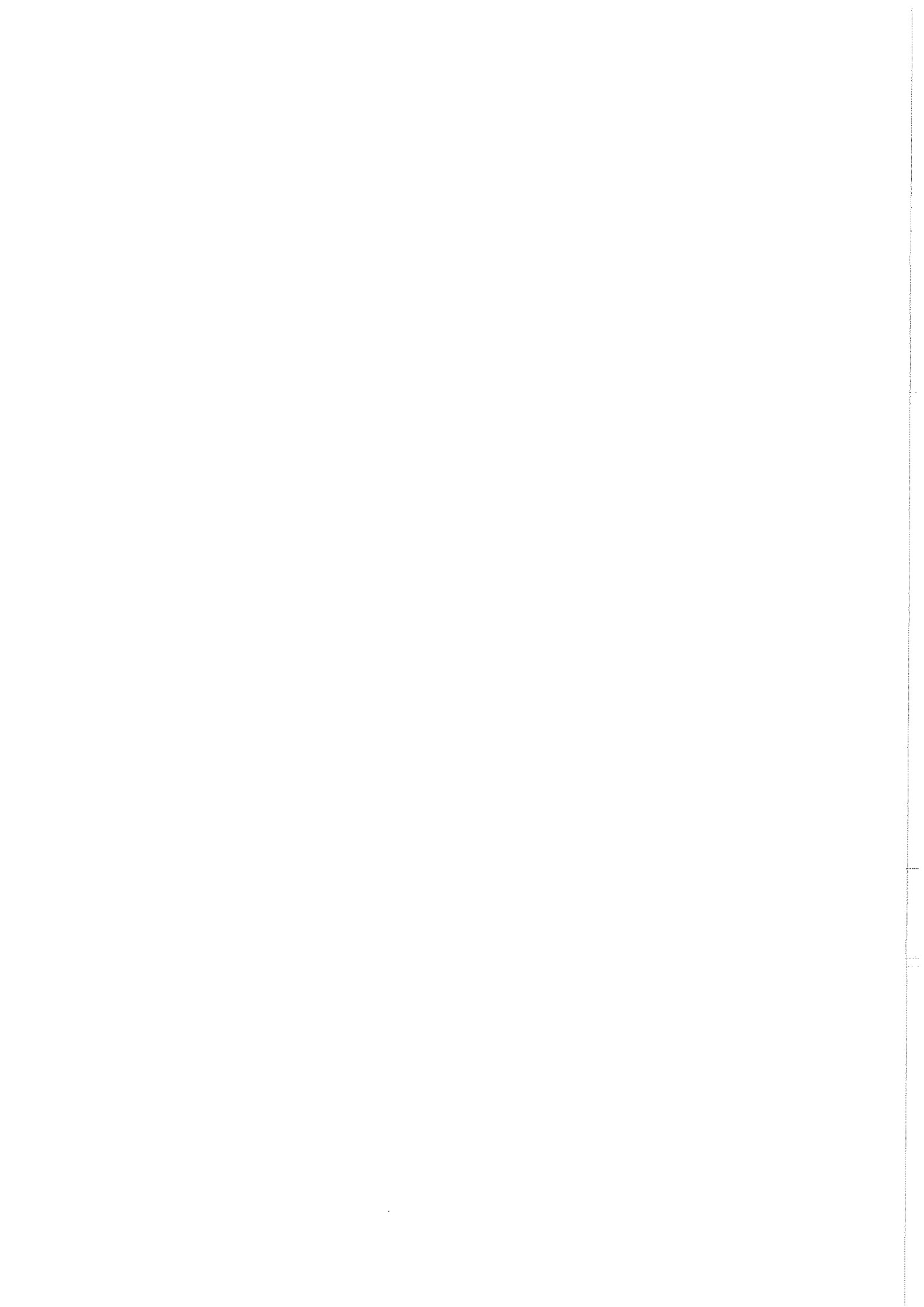
Section B

Answer any TWO of the following:

2 x 10 = 20M

6. Explain nature and scope of public relations.
7. Analyse the promotion and corporate marketing services.
8. What are the differences between public relation and mass media?
9. Explain the role of social responsibility in public relations.

\* \* \*



SEE JAN 2024

22SDCCOMT01 / 07-02-2024

## Insurance Promotion

No. of Pages: 01

Roll No:

Max. Marks: 35M

Time: 2 Hrs

No. of Questions: 08

Pass Min.: 14M

\*\*\*\*\*

Section A

Answer any THREE of the following:

3 x 5 = 15M

1. Define life insurance.
2. Write about IRDA.
3. Write about travel insurance.
4. Explain about different types of insurance.
5. Write about customer counseling.

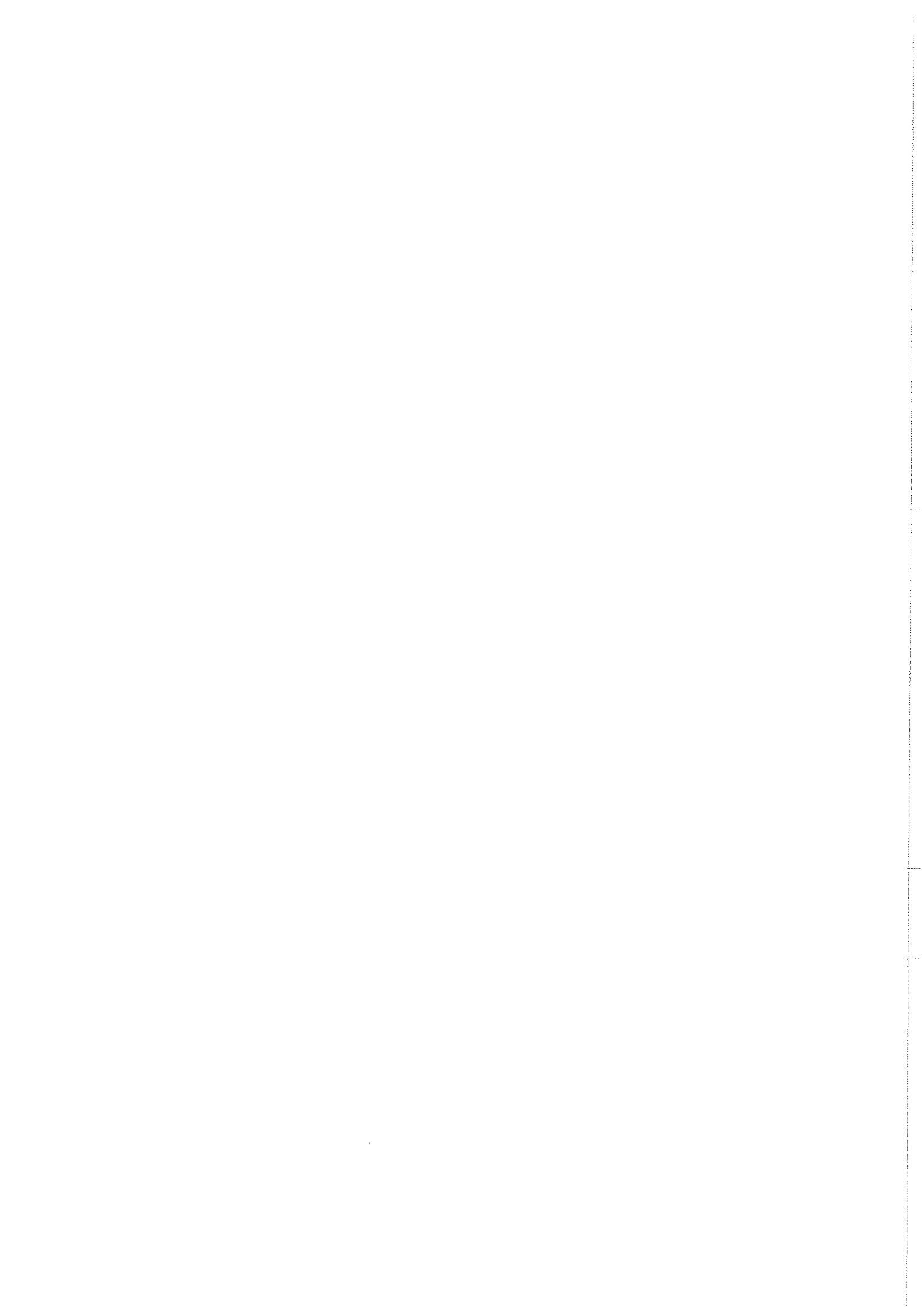
Section B

Answer any TWO of the following:

2 x 10 = 20M

6. What is general insurance? Explain various products of general insurance with their features.
7. What is motor insurance? Explain the features and types of motor insurance.
8. Describe various sales promotion methods of insurance.

\* \* \*



## ELECTRICAL APPLIANCES

No. of Pages: 01  
Time: 2 Hrs

Roll No:  
No. of Questions: 09

Max. Marks: 35M  
Pass Min.: 14M

\*\*\*\*\*

SECTION – A

Answer any **Three** questions. Each question carries 5 marks.

(3 x 5 = 15 M)

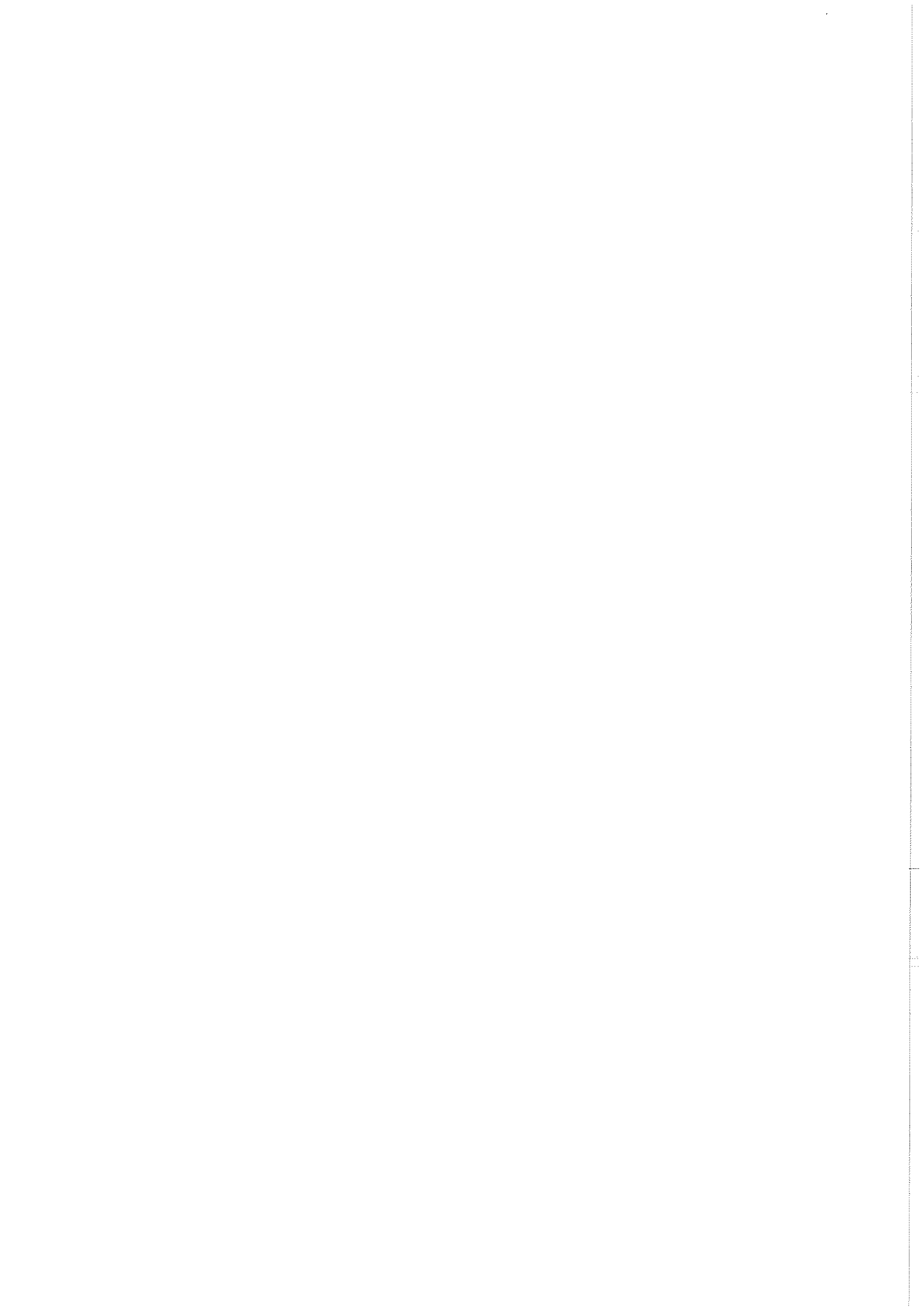
1. Explain the terms Voltage and Current.
2. State and explain Ohm's law.
3. Explain Star and Delta connections.
4. Write about Direct current and alternating current.
5. Write a short note on LED lights.

SECTION – B

Answer any **Two** questions. Each question carries 10 marks

(2 x 10 = 20 M)

6. Explain series and parallel combination of resistors.
7. Discuss in detail about Single phase and three phase connections.
8. Explain the principle of working and servicing of Electric Fan.
9. Explain the principle , working and parts of Refrigerator with neat diagram.





AG & SG Siddhartha Degree College of Arts & Science (AUTONOMOUS)

VUYYURU - 521 165.

No. of Pages : 01

Question Paper

No. of Questions : 13

Course Code (s) : ..... 21 .....

SEM - II

DD/MM/YY :

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 0 | 7 | 0 | 2 | 2 | 0 | 2 | 4 |
|---|---|---|---|---|---|---|---|

Subject : SKILL DEVELOPMENT COURSE .....

Paper Code : ..... BC - 201 .....

Min Marks : 20

Title of the Paper : ..... Business Communication .....

Time : 2:00 Hrs.

Regd. No : 

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

Max Marks : 50

SECTION - A

Answer any **FOUR** questions. Each question carries **FIVE** marks.

4x5=20M

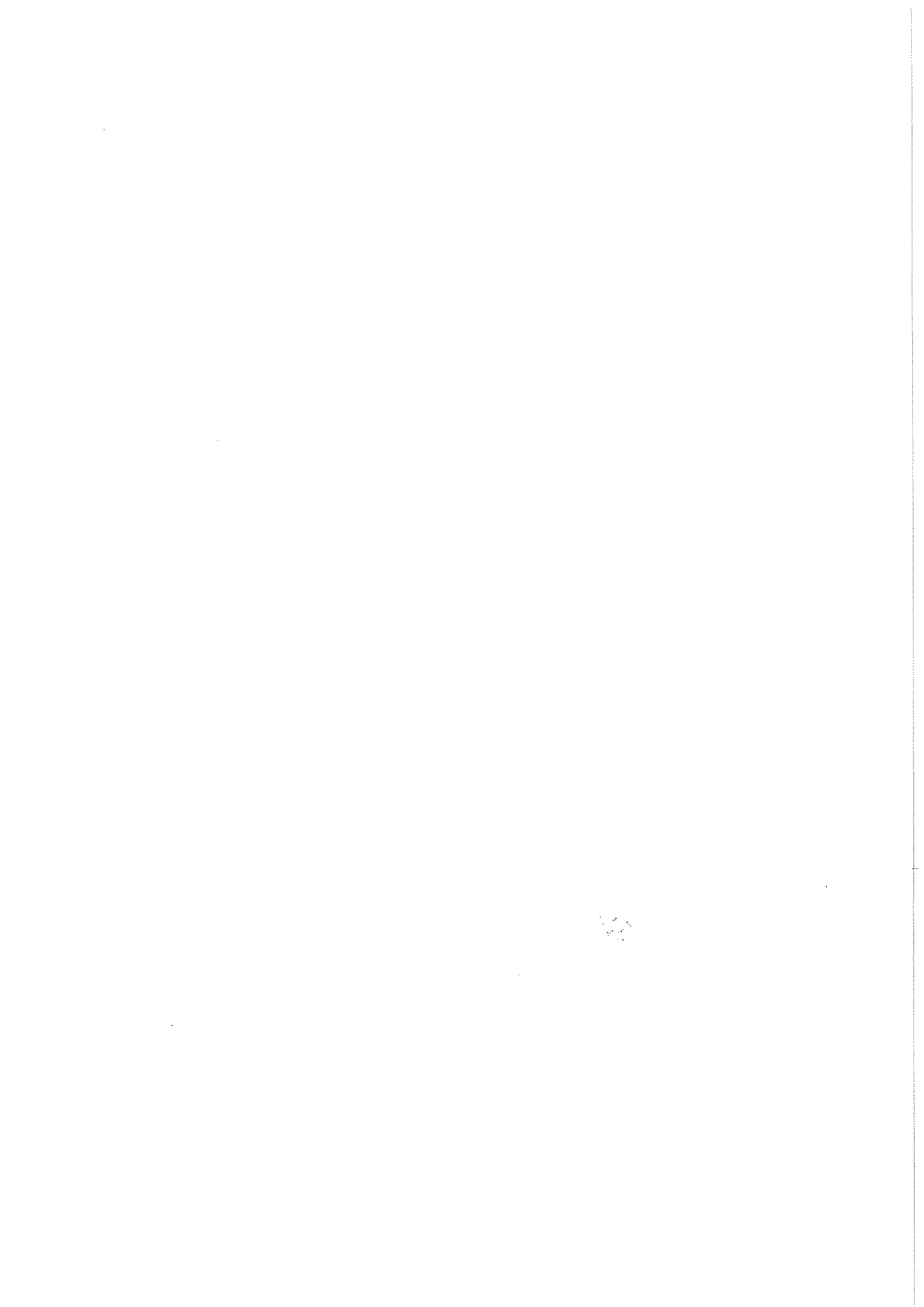
1. What is the importance of Communication?
2. How many stages in Communication?
3. What are the Qualities of a good Communicator?
4. What are the barriers of a effective Communication?
5. Whom we call active Communicator?
6. What is Purpose of Communication?
7. What is the Process of Communication?
8. What is meant by Organizational Communication?

SECTION - B

Answer any **THREE** questions. Each question carries **TEN** marks.

3x10=30M

9. How many categories are there in Business Communications? Explain.
10. How many levels are there in Organizational Communication? Explain.
11. What are the characteristics of a good Communication?
12. How Business Communication use in preparation agenda notes - Minutes.
13. What are the various methods of Communication in/while Presentations.



SEE JAN'24

SDCENGT01/07-02-2024

ENRICHING COMMUNICATION SKILLS

No. of Pages: 1

Roll No:

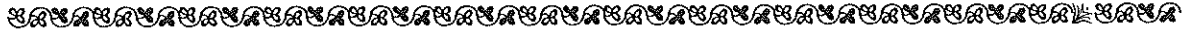
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Max. Marks: 40M

Time: 2Hrs

Pass Min: 16M

No. of Questions: 10



SECTION – A

Answer any TWO of the following:

2 X 5 = 10M

1. Imagine yourself as a coach of a team and prepare a dialogue introducing your team members to the chief guest of that event.
2. Vasavi is unwell and missed her English class. The next day she met her English teacher to discuss what she missed and wants to know what she needs to study. Prepare a conversation.
3. You have applied for a bank loan to study abroad and have been asked to attend an interview. Think of five questions that you could be asked and write them with possible responses.
4. Write suitable greetings for the following occasions:
  - (i) When your friend is leaving abroad \_\_\_\_\_ for his/her higher studies.
  - (ii) When your friend wins in a competition \_\_\_\_\_.
  - (iii) When your teacher is retiring \_\_\_\_\_.
  - (iv) When somebody fails to get through the interview \_\_\_\_\_.

SECTION – B

Answer any THREE of the following:

3 X 10 = 30M

5. Describe the process of group discussion and explain the importance of group discussion in an interview.
6. What are the benefits of debating and why is it necessary for students?
7. Define interview. What are the Do's and Don'ts in an Interview.
8. What are the types of essays? Explain any two types.
9. What is the difference between report and a literary work?
10. Many parents ask their children to help in domestic chores. What do you think about this? Write an argumentative essay.

\*\*\*\*\*

15

## ANALYTICAL SKILLS

No. of Pages: 6

Roll No:

Max. Marks: 35M

Time: 2Hrs

Pass Min: 14M

No. of Questions: 70

Answer ALL Questions:70 x  $\frac{1}{2}$  = 35M

1. Find the unit's digit in  $(264)^{102} + (264)^{103}$ 
  - a) 1
  - b) 2
  - c) 0
  - d) 3
  - e) None
2. Find the L. C. M of 72, 108 and 2100?
  - a) 37,800
  - b) 38,900
  - c) 39,800
  - d) 39,700
  - e) None
- 3) The H. C. F of two numbers is 11 and their LCM is 693. If one of the numbers is 77, find the other?
  - a) 99
  - b) 100
  - c) 98
  - d) 101
  - e) 105
- 4) Find the HCF of  $\frac{9}{10}, \frac{12}{25}, \frac{18}{35}$  and  $\frac{21}{40}$ 
  - a)  $\frac{3}{5}$
  - b)  $\frac{252}{5}$
  - c)  $\frac{3}{2800}$
  - d)  $\frac{63}{700}$
  - e) None
- 5) Simplify  $5005 - 5000 \div 10$ 
  - a) 4500
  - b) 4000
  - c) 0.2
  - d) 4500
  - e) 4505
- 6) Find the value of  $\frac{(469+174)^2 - (469-174)^2}{469 \times 174}$ 
  - a) 2
  - b) 3
  - c) 4
  - d) 5
  - e) 1
- 7) Find the square root of 0.0009.
  - a) 0.3
  - b) 0.003
  - c) 0.03
  - d) 0.0003
  - e) 3
- 8) Find the average of first 40 natural numbers?
  - a) 22
  - b) 21.5
  - c) 21
  - d) 20
  - e) 20.5
- 9) The average of 25 results is 18. The average of first twelve of them is 14 and that of last twelve is 17. Find the thirteenth result.
  - a) 75
  - b) 76
  - c) 77
  - d) 78
  - e) 79
- 10) The sum of two numbers is 15 and the sum of their squares is 113. Find the numbers.
  - a) 4, 5
  - b) 5, 6
  - c) 7, 8
  - d) 8, 9
  - e) 7, 9
- 11) Rajeev's age after 15 years will be 5 times his age 5 years back. What is the present age of Rajeev?
  - a) 12 years
  - b) 11 years
  - c) 9 years
  - d) 8 years
  - e) 10 years
- 12) The present age of father is 3 years more than 3 times the age of his son. Three years hence, father's age will be ten years more than twice the age of the son. Find the present age of the father.
  - a) 33 years
  - b) 35 years
  - c) 34 years
  - d) 32 years
  - e) None
- 13) Evaluate  $28\% \text{ of } 450 + 45\% \text{ of } 280$ 
  - a) 250
  - b) 251
  - c) 252
  - d) 253
  - e) None
- 14) 2 is what percent of 50?
  - a) 1%
  - b) 2%
  - c) 3%
  - d) 4%
  - e) 5%
- 15) A man buys an article for Rs 27.50 and sells it for Rs 28.60. Find the gain percent.
  - a) 5
  - b) 4
  - c) 3
  - d) 6
  - e) 2

- 16) The C. P of 21 articles is equal to S. P of 18 articles. Find the gain (or) loss percent.
- a)  $16\frac{2}{3}\%$       b)  $14\frac{2}{3}\%$       c)  $15\frac{2}{3}\%$       d)  $12\frac{2}{3}\%$       e) None
- 17) A shopkeeper purchased 70 kg of potatoes for Rs 420 and sold the whole lot at the rate of Rs 6.50 per Kg. What will be his gain percent?
- a)  $10\frac{1}{3}\%$       b)  $8\frac{1}{3}\%$       c)  $9\frac{1}{3}\%$       d)  $7\frac{1}{3}\%$       e) None
- 18) If  $a : b = 5 : 9$  and  $b : c = 4 : 7$ , find  $a : b : c$
- a) 20:35:36      b) 20:36:63      c) 35:36:63      d) 28:45:63      e) None
- 19) If  $x : y = 3 : 4$  find  $(4x + 5y) : (5x - 2y)$ .
- a) 9:16      b) 3:12      c) 3:17      d) 7:32      e) 32:7
- 20) Divide Rs 1162 among A, B, C in the ratio 35:28:20. Find the share of C.
- a) 290      b) 275      c) 270      d) 280      e) 260
- 21) A, B and C started a business by investing Rs 1,20,000 Rs 1,35,000 and Rs 1,50,000 respectively. Find the share of 'A' out of an annual profit of Rs 56,700?
- a) Rs 15,800      b) Rs 16,000      c) Rs 16,800      d) Rs 15,000      e) None
- 22) A, B and C started a business each investing Rs 20000. After 5 months A withdraw Rs 5000, B withdraw Rs 4000 and C invests Rs 6000 more. At the end of the year a total profit of Rs 69,900 was recorded. Find the share of B?
- a) Rs 21,000      b) Rs 21,200      c) Rs 21,400      d) Rs 21,600      e) None
- 23) How many minutes does Aditya take to cover a distance of 400m, if he runs at a speed of 20 km/hr.
- a)  $1\frac{1}{5}$ M      b)  $2\frac{1}{5}$ M      c)  $3\frac{1}{5}$ M      d)  $4\frac{1}{5}$ M      e) None
- 24) A cyclist covers a distance of 750m in 2 min 30 sec. What is the speed in km/hr of the cyclist?
- a) 16 km/hr      b) 17 km/hr      c) 18 km/hr      d) 19 km/hr      e) 20 km/hr
- 25) An athlete runs 200 meters race in 24 sec. Find his speed.
- a) 20 km/hr      b) 24 km/hr      c) 28.5 km/hr      d) 30 km/hr      e) 22 km/hr
- 26) Find the simple interest on Rs 68,000 at  $16\frac{2}{3}\%$  per annum for 9 months.
- a) Rs 8000      b) Rs 8500      c) Rs 9000      d) Rs 9500      e) None
- 27) Find the simple interest on Rs 1820 from March 9, 2003 to May 21, 2003 at  $7\frac{1}{2}\%$  rate will be?
- a) Rs 27      b) Rs 27.30      c) Rs 27.50      d) Rs 27.80      e) Rs 28
- 28) Find compound interest on Rs 7500 at 4% per annum for 2 years, compounded annually.
- a) Rs 612      b) Rs 600      c) Rs 650      d) Rs 625      e) Rs 620
- 29) In what time will Rs 1000 become Rs 1331 at 10% per annum, compounded annually?
- a) 5 years      b) 4 years      c) 3 years      d) 2 years      e) 1 year
- 30) The difference of any two even numbers is
- a) Odd      b) prime      c) Even      d) None      e) Zero
- 31) Find the least value of \* so that the number  $12*25253$  is divisible by 3.
- a) 0      b) 1      c) 2      d) 3      e) 4

SEE JAN'24

- 32) Find the total number of factors of 169.  
a) 2                      b) 3                      c) 4                      d) 5                      e) 6
- 33) What fraction equivalent to 325%?  
a)  $\frac{13}{4}$                       b)  $\frac{4}{13}$                       c)  $\frac{5}{13}$                       d) 13                      e)  $\frac{13}{5}$
- 34) The population of village is decreased from 4000 to 3500. Find the decreased percentage.  
a) 10.5%                      b) 11.5%                      c) 12.5%                      d) 13.5%                      e) 14.5%
- 35) What was the day of the week on 15<sup>th</sup> August' 1947?  
a) Sunday                      b) Tuesday                      c) Thursday                      d) Friday                      e) None
- 36) On what dates of March 2005 did Saturday fall?  
a) 5<sup>th</sup>, 12<sup>th</sup>, 19<sup>th</sup>, 26<sup>th</sup>  
b) 1<sup>st</sup>, 8<sup>th</sup>, 15<sup>th</sup>, 22<sup>nd</sup>, 29<sup>th</sup>  
c) 2<sup>nd</sup>, 9<sup>th</sup>, 16<sup>th</sup>, 23<sup>rd</sup>, 30<sup>th</sup>  
d) 3<sup>rd</sup>, 10<sup>th</sup>, 17<sup>th</sup>, 24<sup>th</sup>, 31<sup>st</sup>  
e) None
- 37) What was the day of the week on 14<sup>th</sup> February 2024?  
a) Sunday                      b) Tuesday                      c) Wednesday                      d) Friday                      e) None
- 38) Find the angle between two hands of a clock, when the time is 3:25.  
a) 47°                      b)  $47\frac{1}{2}^\circ$                       c)  $48\frac{1}{2}^\circ$                       d) 48°                      e) 50°
- 39) How many times in a day, the two hands of a clock are straight?  
a) 21                      b) 22                      c) 23                      d) 24                      e) 25
- 40) At what time between 2 and 3 o'clock will the hands of a clock be coinciding?  
a)  $2:10\frac{6}{11}$  M                      b)  $2:10\frac{8}{11}$  M                      c)  $2:10\frac{10}{11}$  M                      d)  $2:10\frac{12}{11}$  M                      e) None
- 41) If FRIEND is coded as HUMJTK. How is CANDLE written in that code ?  
a) EDRIRL                      b) DCQHJK                      c) ESDFME                      d) FYOBOC                      e) None
- 42) In a certain code, CALENDAR is written as CLANEADR. How is CIRCULAR written in that code ?  
a) ICCRLURA                      b) CRIUCALR                      c) CRIUCLRA                      d) ICRCLUAR                      e) None
- 43) Pointing to a boy, Rampal said " His only brother's mother is my father's wife". How is Rampal related to the boy ?  
a) Uncle                      b) Father                      c) Nephew                      d) Brother                      e) None
- 44) Light : Sun :: Heat : ?  
a) Electricity                      b) Moon                      c) Fire                      d) Stars                      e) None
- 45) ABD : EFH :: IJL : ?  
a) MNP                      b) MPN                      c) NMP                      d) NMT                      e) NPM

**Direction ( 46 to 50) :- Missing term in a Sequence.**

- 46) 25, 30, 37, \_\_\_\_, 57, 70, 95.  
a) 35                      b) 46                      c) 48                      d) 53                      e) 55
- 47) 1, 4, 10, 19, 31, 46, \_\_\_\_  
a) 60                      b) 64                      c) 68                      d) 76                      e) 80

SEE JAN'24

- 48) 1, 2, 6, 15, \_\_\_\_\_, 56  
 a) 31                      b) 40                      c) 45                      d) 52                      e) 53
- 49) A, E, J, O, T, \_\_\_\_\_  
 a) U                      b) Y                      c) W                      d) Z                      e) X
- 50) QIA, SKC, UME, \_\_\_\_\_  
 a) XOH                      b) TLD                      c) WOG                      d) VPG                      e) PVG

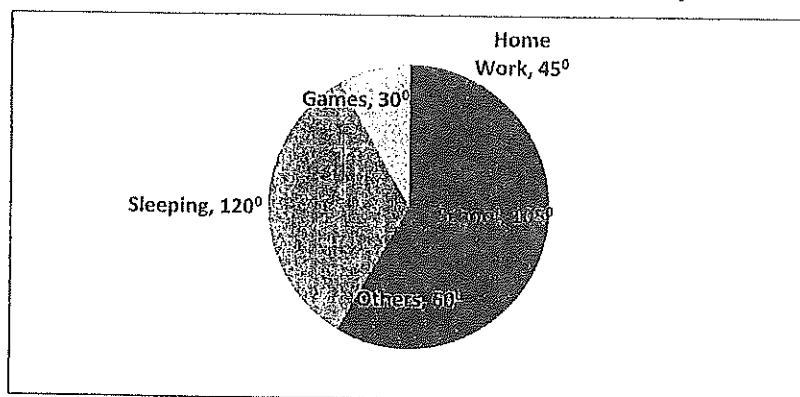
**Direction ( 51 to 55 ) :- Find out the wrong term.**

- 51) 196, 169, 144, 12, 101, 81, 64  
 a) 169                      b) 144                      c) 101                      d) 81                      e) 64
- 52) 56, 72, 90, 110, 130, 156  
 a) 72                      b) 90                      c) 130                      d) 156                      e) 110
- 53) 6, 13, 18, 25, 30, 37, 40.  
 a) 25                      b) 30                      c) 37                      d) 40                      e) 18
- 54) AZ, BY, CX, DU, EV  
 a) BY                      b) CX                      c) DU                      d) EV                      e) AZ
- 55) SJA, TKB, ULC, VMD, WNE, XOG  
 a) TKB                      b) XOG                      c) VMD                      d) WNE                      e) SJA

**Directions (Q. No : 56 to 60):**

Study the following pie chart carefully and answer the questions given below it.

The following Pie chart shows the Hourly distribution (in degrees) of all the major activities of a Student.



- 56) The Approximate percentage of time, which he spends in School is?  
 a) 38%                      b) 30%                      c) 40%                      d) 25%                      e) None
- 57) How much time (in percentage) does he spends in games in comparison to sleeping?  
 a) 30%                      b) 40%                      c) 25%                      d) 75%                      e) 80%
- 58) What is the ratio of time spend in sleeping to time spend in Home Work respectively?  
 a) 9:5                      b) 7:4                      c) 5:2                      d) 8:3                      e) None
- 59) If he spends  $\frac{1}{3}$ <sup>rd</sup> of time for homework in Mathematics, then the number of hours he spends in rest of the subjects in homework is...  
 a) 2 Hrs                      b) 5 Hrs                      c) 7 Hrs                      d) 18 Hrs                      e) None



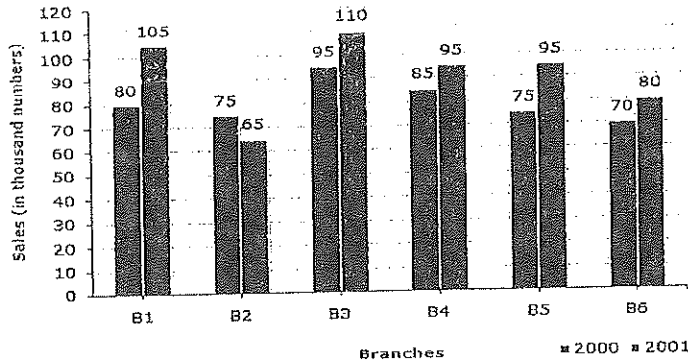
SEE JAN'24

- 60) The ratio of time spend in sleeping and games together to time spend in others respectively  
 a) 9:11      b) 5:7      c) 13:11      d) 7:9      e) None

**Directions (Q. No : 61 to 65):**

The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.

Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



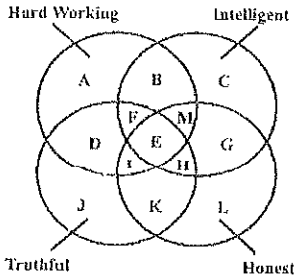
- 61) What is the ratio of the total sales of branch B2 and B4 for both years?  
 a) 2:3      b) 3:5      c) 4:5      d) 7:9      e) None
- 62) Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years?  
 a) 68.54%      b) 71.11%      c) 73.17%      d) 75.55%      e) None
- 63) What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000?  
 a) 75%      b) 77.5%      c) 82.5%      d) 87.5%      e) None
- 64) What is the average sales of all the branches (in thousand numbers) for the year 2000?  
 a) 73      b) 80      c) 83      d) 88      e) None
- 65) Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) is?  
 a) 250      b) 310      c) 435      d) 560      e) None

(PTO)

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Directions (Q. No : 66 to 70):

Below is given a figure with four intersecting circles, each representing a group of persons having the quality written against it. Study the figure carefully and answer the questions that follow.



- 66) The people possessing all the qualities are represented by  
 a) E      b) F      c) H      d) I      e) M
- 67) People who are not honest and truthful but are hardworking and intelligent both, are represented by  
 a) E      b) B      c) M      d) I      e) H
- 68) The region which represents the people who are intelligent, honest and truthful but not hard working is denoted by  
 a) I      b) H      c) E      d) F      e) L
- 69) People who are not hard working, intelligent and truthful are represented by  
 a) G      b) H      c) K      d) L      e) I
- 70) The region which represents people who are not honest but possess all other three qualities, is denoted by  
 a) B      b) D      c) F      d) I      e) M

= X =



SEE-JANUARY 2024

22LSCT16 / 07-02-2024

## ENTREPRENEURSHIP DEVELOPMENT

No. of Pages: 01

Roll No:

Max. Marks: 35M

Time: 2 Hrs

No. of Questions: 10

Pass Min.: 14M

\*\*\*\*\*

Section A

Answer any THREE of the following:

3 x 5 = 15M

1. Write about concept of entrepreneurship.
2. Write about start ups.
3. What are the sources of new ideas?
4. Define market analysis.
5. NABARD.
6. SIDBI.

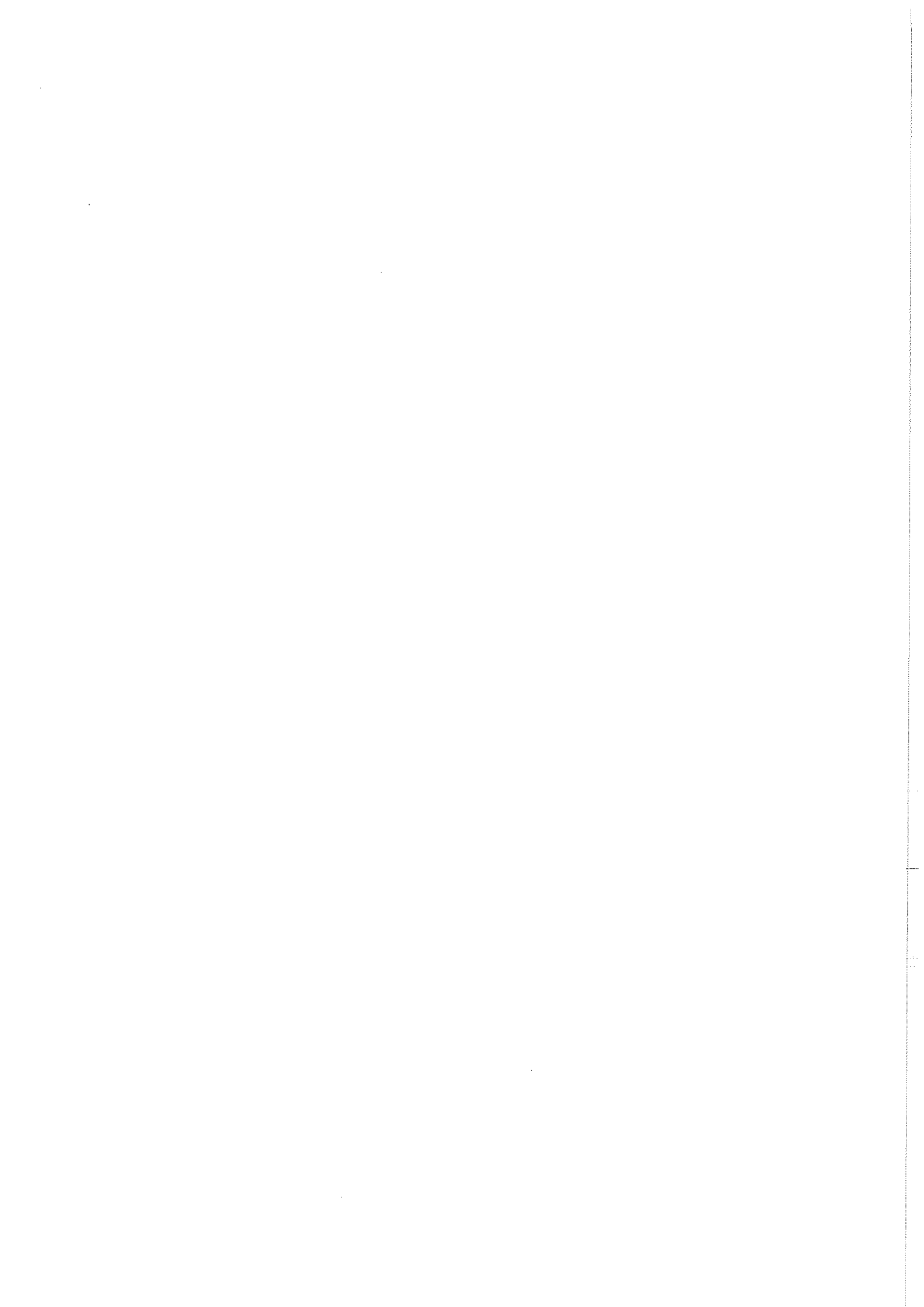
Section B

Answer any TWO of the following:

2 x 10 = 20M

7. What are the various characteristics of entrepreneurship?
8. Explain preparation of project report.
9. Describe Government policy of MSMEs.
10. Describe tax incentives and concessions.

\* \* \*



SEE JAN 2024

SDCECOT01 / 07-02-2024

Financial Markets

No. of Pages: 01

Roll No:

Max. Marks: 40M

Time: 2 Hrs

No. of Questions: 08

Pass Min.: 16M

\*\*\*\*\*

Section A

Answer any TWO of the following:

2 x 5 = 10M

1. Write about Bombay Stock Exchange.
2. Explain the components of money market.
3. Write about components of financial intermediaries.

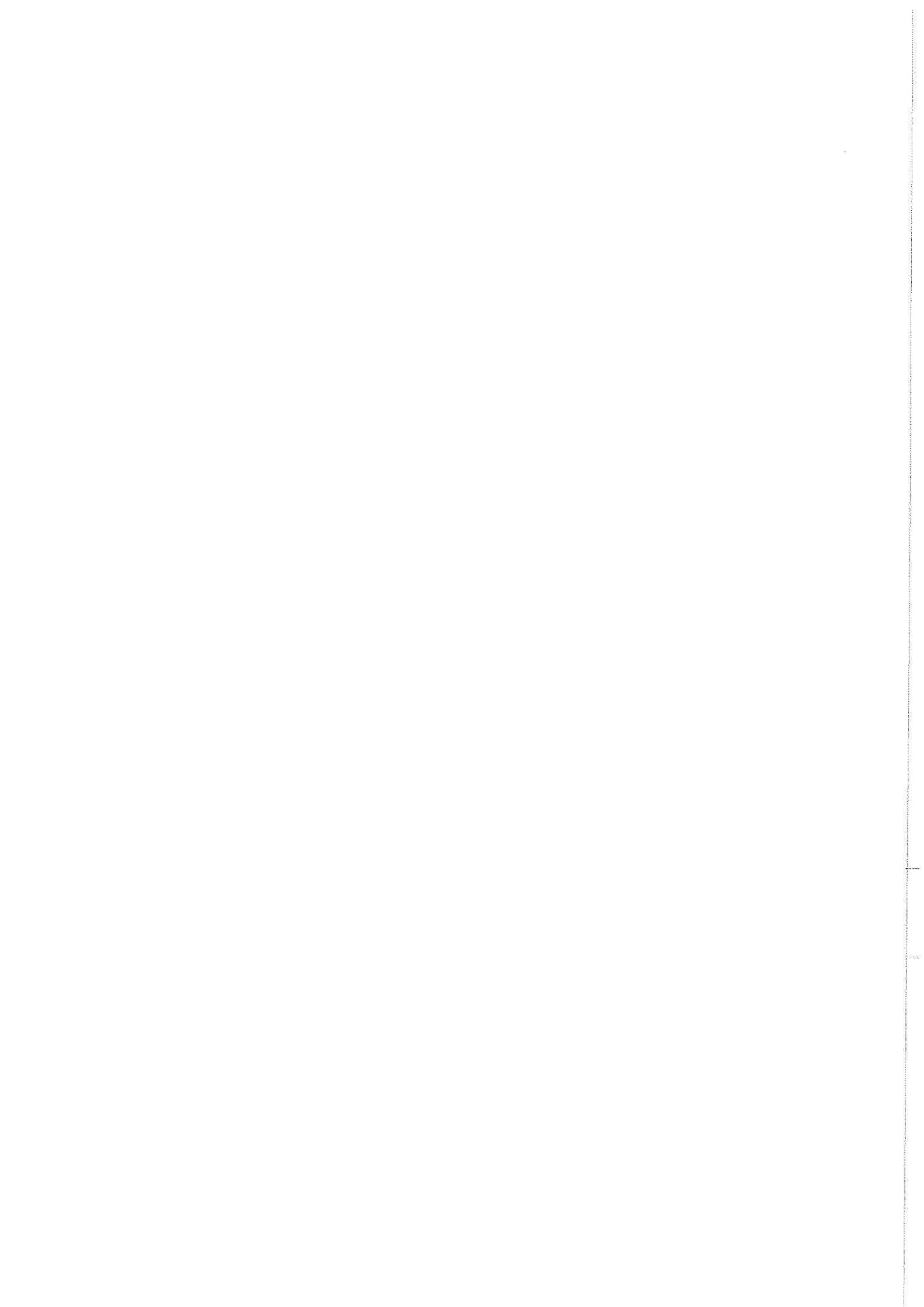
Section B

Answer any THREE of the following:

3 x 10 = 30M

4. Explain the structure of Indian Financial System.
5. Write about the defects of Indian money market.
6. Explain the role of financial markets in economic development.
7. Explain the functions of SEBI.
8. Explain the differences between money market and capital market.

\* \* \*



SEE JAN'24

SDCCOMT01/07-02-2024

INSURANCE PROMOTION

No. of Pages: 1

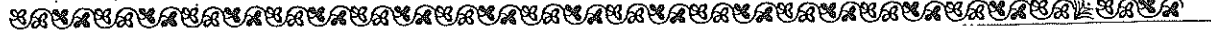
Time: 2Hrs

No. of Questions: 10

|          |  |
|----------|--|
| Roll No: |  |
|----------|--|

Max. Marks: 40M

Pass Min: 16M



SECTION – A

Answer any Two of the following

2 X 5M = 10M

1. Define Life Insurance.
2. Define Customer Counselling.
3. Explain the role of Insurance in the Indian Economy.
4. Write about customer loyalty in insurance.

SECTION – B

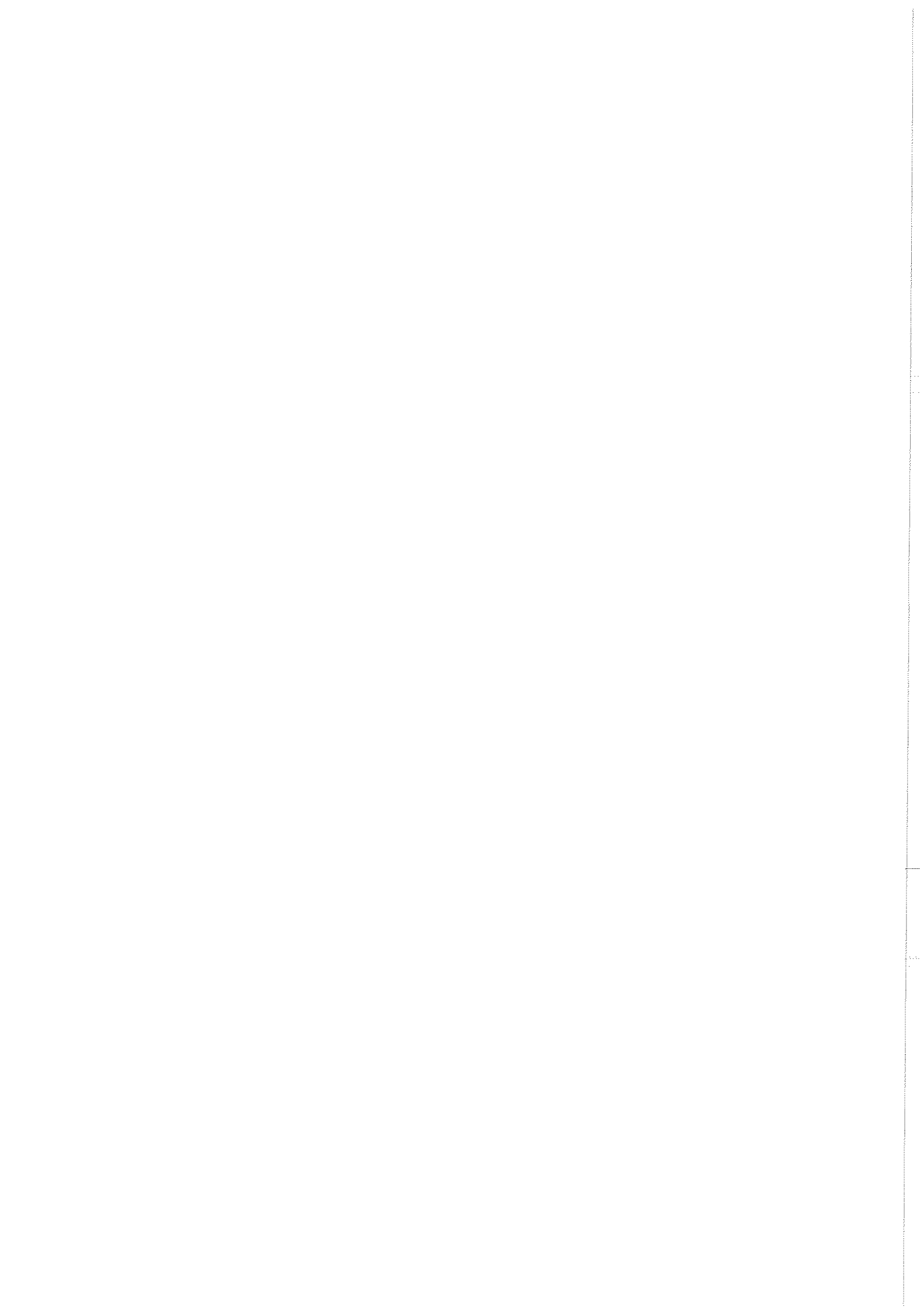
Answer any Three of the following

3 X 10M = 30M

5. Explain different types of Insurance in detail.
6. Explain various types of General Insurance Products.
7. Explain the following terms in detail
  - a. Surrender of an Insurance Policy.
  - b. Health Insurance.
8. Write about various Life insurance plans in India.
9. What is IRDA? Explain its functions as a regulatory body.
10. Explain promotional methods used in Life Insurance.

\*\*\*\*\*

4/





SEE JAN'24

SDCCCHET01/07-02-2024

FOOD ADULTERATION

No. of Pages: 1

Roll No:

|  |
|--|
|  |
|--|

Max. Marks: 40M

Time: 2Hrs

Pass Min: 16M

No. of Questions: 10



SECTION-A

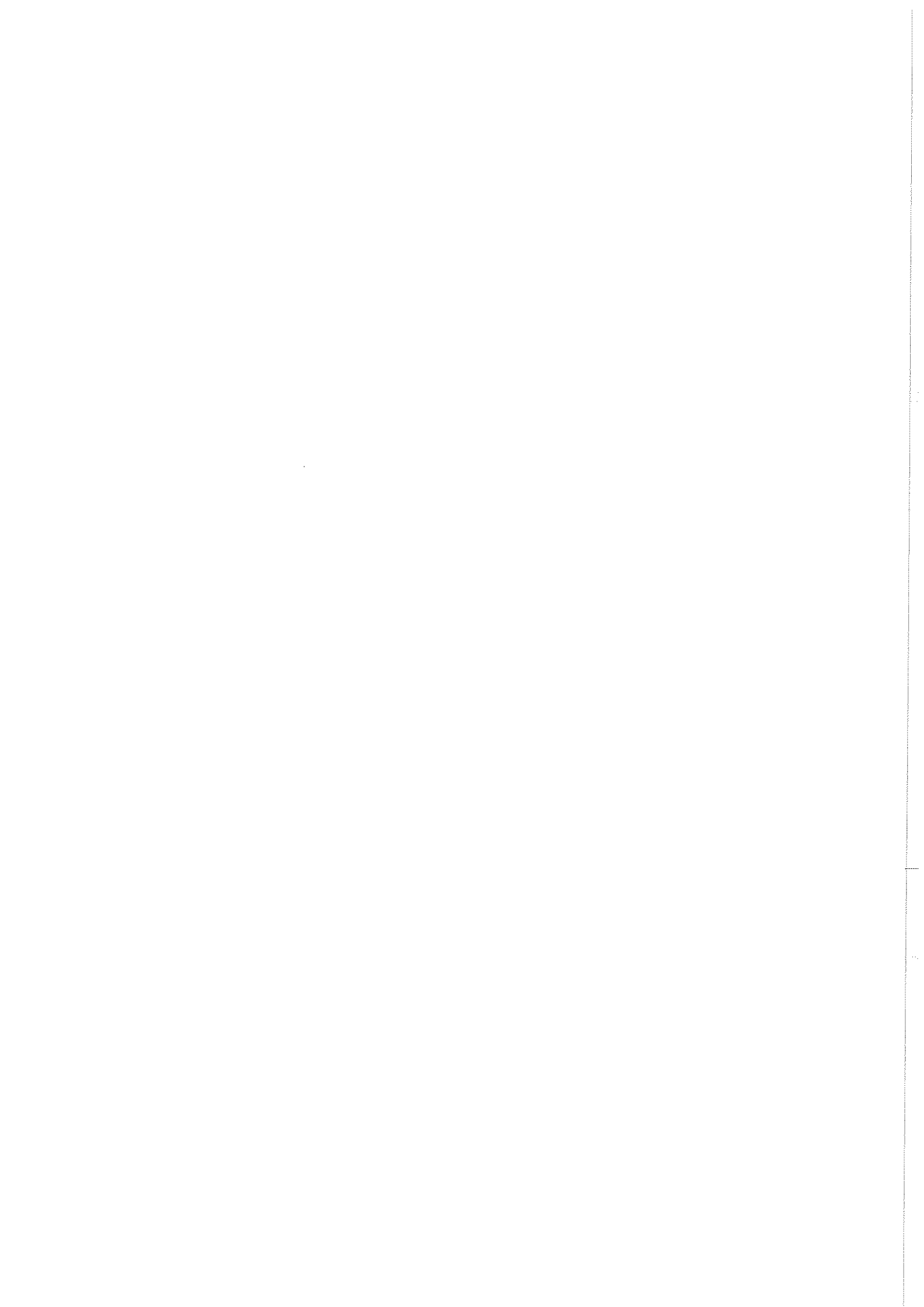
Answer any **TWO** Questions. Each question carries 5 marks.  $2 \times 5 = 10M$

1. Write the definition and types of Adulteration.
2. Write the General impact of Adulteration on Human health.
3. Write a short note on Sweetening agents.
4. What are the methods used for detection of Adulterants in Oil.

SECTION-B

Answer any **THREE** Questions. Each question carries 10 Marks.  $3 \times 10 = 30M$

5. What are the common foods subjected to Adulteration.
6. Write a note on Adulteration through Food Additives.
7. What are the methods used for detection of Adulterants in Milk.
8. Write a note on methods of detection of Adulterants in Spices and Condiments.
9. What is FSSAI and Give the detailed Explanation on FSSAI.
10. Write a note on I.S.I Quality control laboratories of Companies.



AG & SG Siddhartha Degree College of Arts & Science (AUTONOMOUS)

VUYYURU - 521 165.

No. of Pages : 01

Question Paper

No. of Questions : 14

Course Code (s) : .....51, 53.....

SEM - IV

DD/MM/YY :

0 7 0 2 2 0 2 4

Subject : .....COMPUTER SCIENCE.....

Paper Code : .....CSC - 402.....

Min Marks : 28

Title of the Paper : .....Operating System.....

Time : 3:00 Hrs.

Regd. No :

Max Marks : 70

**SECTION – A**

Answer any **FOUR** questions. Each question carries **FIVE** marks.

4x5=20M

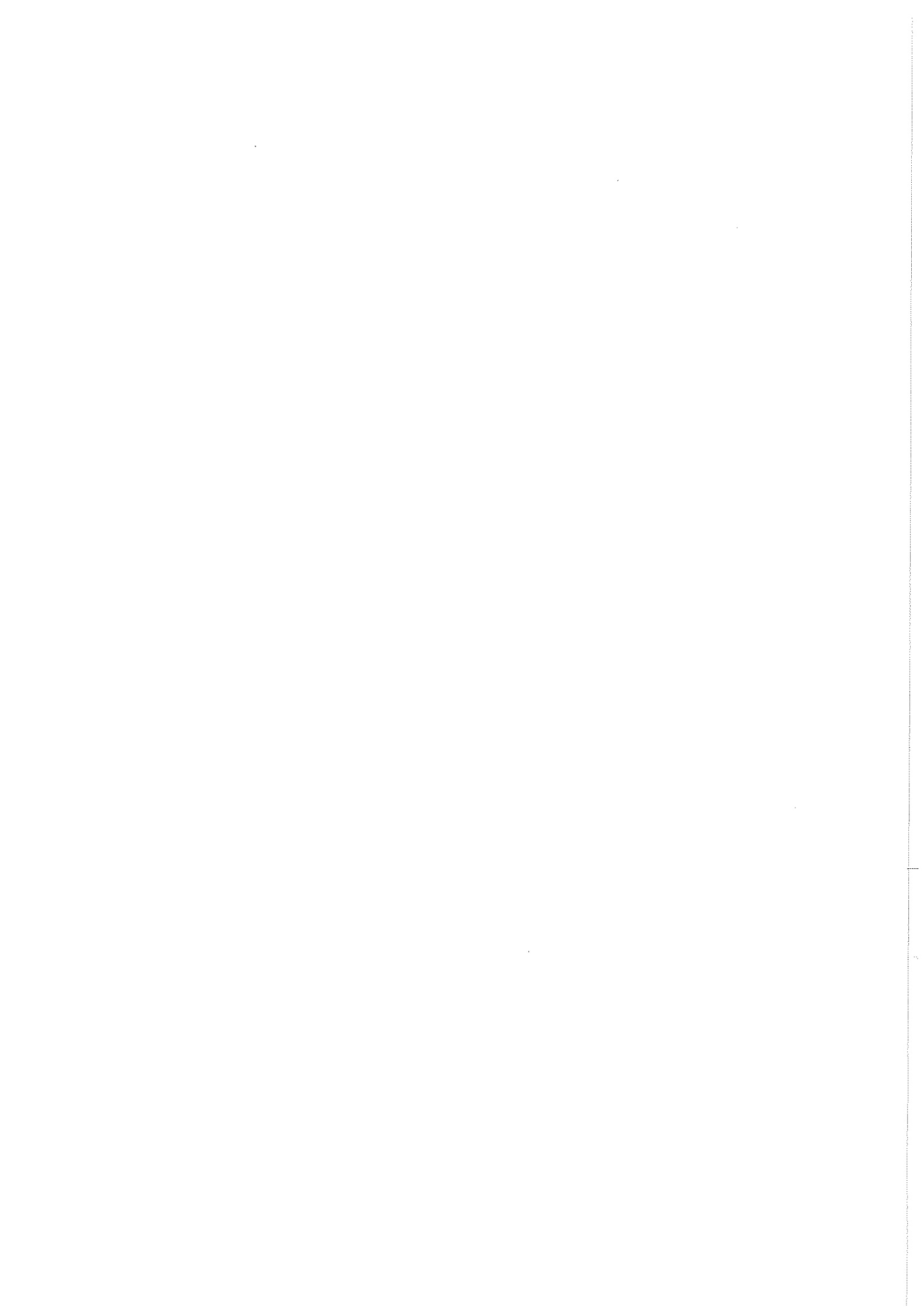
1. Explain the Basic OS functions.
2. Explain the Resource Abstraction.
3. Explain the System Calls.
4. Explain the Semaphores.
5. Explain the Virtual Memory.
6. Explain the Directory Structure.

**SECTION – B**

Answer any **FIVE** questions. Each question carries **TEN** marks.

5x10=50M

7. Explain the Types of Operating Systems.
8. Explain the Thread concept in detail.
9. Explain the Preemptive Scheduling Algorithms.
10. Explain the Deadlock prevention and Deadlock Avoidance.
11. Explain the process Synchronization with an example.
12. Explain the Memory Allocation Strategies.
13. Explain the Paging in detail.
14. Explain the Android Application Architecture.



No. of Pages: 6

Roll No:

Max. Marks: 40M

Time: 2Hrs

Pass Min: 16M

No. of Questions: 80

Answer ALL Questions: 80 x ½ = 40M

1. If 'LUTE' is written as 'MUTE' and 'FATE' is written as 'GATE' then how will BLUE be written in that code?  
 a) GLUE                      b) FLUE                      c) CLUE                      d) KLUE                      e) NoneOfThese.
2. In a certain code 'ROAR' is written as 'URDU'. How is 'URDU' written in that code?  
 a) V X D Q                      b) XUGX                      c) ROAR                      d) VSOV                      e) V Z C P
3. If 'Eraser' is called 'Box', 'Box' is called 'Pencil', 'Pencil' is called 'Sharpener' and 'Sharpener' is called 'Bag', then what will a child write with?  
 a) Bag                      b) Box                      c) Pencil                      d) Sharpener                      e) NoneOfThese.
4. Find the HCF of 25, 30, 50 and 75.  
 a) 5                      b) 1                      c) 2                      d) 4                      e) None of These
5. The LCM of 60, 40 and 30.  
 a) 120                      b) 130                      c) 140                      d) 150                      e) NoneOfThese.
6. Find the LCM of 24, 36 and 40.  
 a) 120                      b) 240                      c) 360                      d) 480                      e) 560
7. If A:B = 5:4 and B:C=2:3, then find A:B:C.  
 a) 10:8:12                      b) 9:3:15                      c) 9:12:15                      d) 15:6:8                      e) None of These
8. If A:B=13:15, B:C=15:17 and C:D=17:19, then find A: B: C: D.  
 a) 14:13:15:16                      b) 17:15:19:16                      c) 12:13:14:15                      d) 13:15:17:19                      e) NoneOfThese.
9. If the capitals of P & Q are in the ratio of 15:13 and the times of their investments are in the ratio 26:45. Then find their Profits Ratio?  
 a) 14:15                      b) 4:5                      c) 2:3                      d) 5:9                      e) NoneOfThese.
10. In a business A, B and C invested Rs.5000, Rs.6000 & Rs.4000 respectively. Find the share of A in the total profit of Rs.6000.  
 a) Rs.2000                      b) Rs.1800                      c) Rs.1400                      d) Rs.1500                      e) NoneOfThese.
11. P, Q entered into a partnership with Rs.30000 and Rs.60000 respectively. After 4 months P invested Rs.15000 more while Q withdrew Rs.30000. Find the share of P profit in the annual profit of Rs.1, 00,000.  
 a) Rs.60000                      b) Rs.64000                      c) Rs.50000                      d) Rs.35000                      e) NoneOfThese.
12. A, B and C shared profits in the ratio 3:5:7. If the profit of A is Rs.600, then find the total Profit.  
 a) Rs.2800                      b) Rs.2850                      c) Rs.2750                      d) Rs.2700                      e) None of These
13. What is the unit digit of  $2345 - 1352 + 2342 - 1353$ .  
 a) 4                      b) 3                      c) 2                      d) 5                      e) None of These

14. If the capitals of P & Q are in the ratio of 7:8 and the times of their investments are in the ratio 24:35. Then find their Profits Ratio.

- a) 3:2      b) 3:5      c) 2:3      d) 5:9      e) None of These

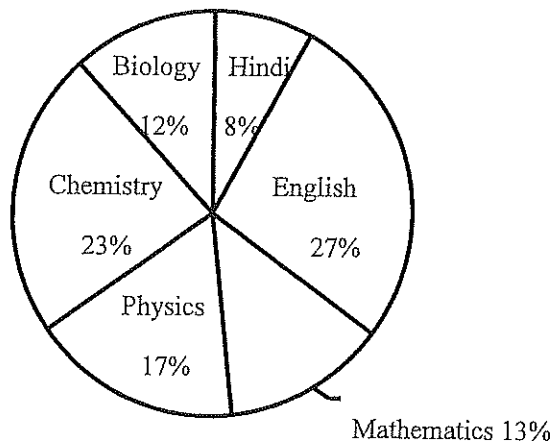
**Directions (Q.No:15 to 20):** Analyze the elements

15. 3:27::5:\_\_\_  
 a)132      b)135      c)123      d)124      e)125
16. 122:11 :: 145:\_\_\_  
 a)12      b)13      c)14      d)15      e)16
17. M : D :: X : \_\_\_  
 a) B      b)C      c)D      d)E      e)F
18. Odissi: Dance ::English : \_\_\_  
 a) America      b) Britain      c) Poetry      d) Language      e)None of these
19. H / D : 2 :: O / C : \_\_\_  
 a)5      b)6      c)7      d)8      e)9
20. Aeroplane: Cockpit :: Train:\_\_\_  
 a)Engine      b)Coach      c)Wagon      d)Compartment      e)None of these

**Directions (Q.No:21 to 25):** Study the pie chart carefully to answer the given question:

The given below pie chart shows that the percentage-wise distribution of teachers who teach six different subjects, then the total number of teachers = 1800

**Percentage of teachers**



21. If two-ninth of the teachers who teach Physics is female, then the number of male Physics teachers is approximately, what percentage of the total number of teachers who teach Chemistry?

- a) 57      b) 42      c) 63      d) 69      e) 51

22. What is the total number of teachers teaching Chemistry, English and Biology?

- a) 1226      b) 1116      c) 1176      d) 998      e) 1126

23. What is the difference between the total number of teachers, who teach English and Physics together and the total number of teachers who teach Mathematics and Biology together?

- a) 352      b) 342      c) 643      d) 653      e) 433

24. What is the respective ratio of the number of teachers, who teach Mathematics and the number of teachers who teach Hindi?

- a) 13:7      b) 7:13      c) 7:26      d) 8:15      e) 13:8

25. If the percentage of Mathematics teachers is increased by 50% and percentage of Hindi teachers decreased by 25%, then what will be the total number of Mathematics and Hindi teachers together?

- a) 390      b) 379      c) 459      d) 480      e) 469

**Directions (Q.No-26 to 30):** Complete the Series

26. 120, 60, 30, 15, \_\_\_.

- a)14      b)15      c)12      d)13      e)NoneOfThese.

27. 10, 20, 25, 50, 55, 110, \_\_\_.

- a)115      b)116      c)117      d)118      e)NoneOfThese.

28. 255, 366, 497, 648, \_\_\_.

- a)729      b)819      c)829      d)149      e)NoneOfThese.

29. P, T, W, Y, \_\_\_.

- a)Z      b)A      c)B      d)C      e)NoneOfThese.

30. G, J, M, P, \_\_\_.

- a)U      b)V      c)S      d)X      e)NoneOfThese.

**Directions (Q.No:31 to 35):** Following are the details of three shopkeepers and numbers of items sold by them on three different days:

| Shopkeepers | Monday | Tuesday | Wednesday |
|-------------|--------|---------|-----------|
| A           | 160    | 240     | 210       |
| B           | 200    | 180     | 320       |
| C           | 150    | 330     | 280       |

31. Find the ratio of items sold by A and B on Monday to items sold by B and C on Wednesday?

- a) 5 : 3      b) 3 : 5      c) 3 : 4      d) 4 : 7      e) None of These.

32. Find the average number of items sold by all 3 shopkeepers on Wednesday?

- a)280      b) 290      c) 270      d) 250      e) None of These.

33. Items sold by A and B together on Tuesday is what percentage of items sold by B and C on Wednesday?

- a)70%      b) 75%      c) 60%      d) 65%      e) None of These.

34. Find the difference of number of items sold by B on Monday and Tuesday together and items sold by A on Tuesday and Wednesday?

- a)80      b) 60      c) 50      d) 70      e) None of These.

35. Find the ratio of items sold by B on all 3 days together to the items sold by C on all 3 days?

- a) 35 : 38      b) 38 : 35      c) 30 : 34      d) 30 : 38      e) None of These.

Directions (Q.No-36 to 40): Find the odd thing in

36. a)36                      b)46                      c)56                      d)66                      e)76  
 37. a)P                        b)Q                        c)R                        d)S                        e)T  
 38. a)15                      b)20                      c)25                      d)30                      e)35  
 39. a)TABLE                b)BED                    c)COMPUTER            d)CHAIR                e)CUPBOARD  
 40. a)BAT                    b)CAT                    c)FAT                    d)EAT                    e)RAT

41. What is 20% of 30% of 2500?

- a) 110                      b) 100                      c)150                      d)120                      e)NoneOfThese.

42. What is  $\frac{7}{2}$  as a percentage?

- a) 125%                    b) 140%                    c) 148%                    d) 142%                    e)NoneOfThese.

43. If a number is first increased by 50% and then decreased by 50%. What will be the net change in the number?

- a) 25%↑                    b) 25%↓                    c) 24%↑                    d) No change                    e)NoneOfThese.

44. What is 12% of 1300?

- a) 169                      b) 140                      c) 156                      d) 184                      e)None of these.

45. Find the number of odd days in 62 days is.

- a) 5                        b)6                        c)7                        d)8                        e)None of these.

46. What was the day of the week on 15<sup>th</sup> August, 2023?

- a)Sunday                b) Saturday                c) Friday                    d) Tuesday                e) None of these.

47. The year next to 2024 having same calendar as that of 2024 will:

- a) 2028                    b) 2052                    c) 2032                    d) 2034                    e)None of these.

48. What will be the next leap year after 2096?

- a) 3000                    b) 3004                    c)3008                    d)3104                    e)None of these.

49. Find the least value of '\*' so that the number 7281\*27423 is divisible by 9.

- a)4                        b) 2                        c) 1                        d) 0                        e) NoneOfThese.

50. A person travels with a speed of 52kmph, how many km did he travel in 5hrs?

- a)250km                    b)260km                    c)240km                    d)220km                    e) NoneOfThese.

51. Express 72 Kmph in mps?

- a)36mps                    b)20mps                    c)25mps                    d)27mps                    e)NoneOfThese.

52. A certain distance is covered at a certain speed. If half the distance is covered in double the time, the ratio of two speeds is:

- a)4:1                      b) 1:4                      c) 2:1                      d) 1:2                      e) NoneOfThese.

53. Find the compound interest on Rs.5000 at 10% per annum for 1  $\frac{1}{2}$  years. (If the interest being compounded half yearly)?

- a) Rs.330                    b) Rs.306                    c) Rs.350                    d) Rs.270                    e) None of These

54. Find the amount on Rs.2448 at 25% per annum for 4 years in simple interest.

- a) Rs.8000                b) Rs.4000                c) Rs.6000                d) Rs.3000                e) None of These

55. The difference between simple interest and compound interest at 10% per annum for 2 years is Rs.63.5. Find the sum.

- a) Rs.6350                b) Rs.6300                c) Rs.6200                d) Rs.6500                e)NoneOfThese.

56. The average of 14 girls and their teacher's age is 15 years. If the teacher age is excluded, the average reduced by 1 year. What is teacher's age?

- a) 35 years                b) 32years                c) 29years                d) 34years                e)NoneOfThese.



57. Find the mirror image of 5:20 am.

- a)9:40 pm      b)8:30 pm      c)7:40 pm      d)6:40 pm      e)None Of These

58. At what point of time between 5 O'clock and 6 O'clock will the hands of a clock be together, but not opposite to each other.

- a)27  $\frac{3}{11}$  min      b)28  $\frac{3}{11}$  min      c)26  $\frac{3}{11}$  min      d)25  $\frac{3}{11}$  min      e)None Of These

59. How many times the hands of a clock are coincide in 12 hours?

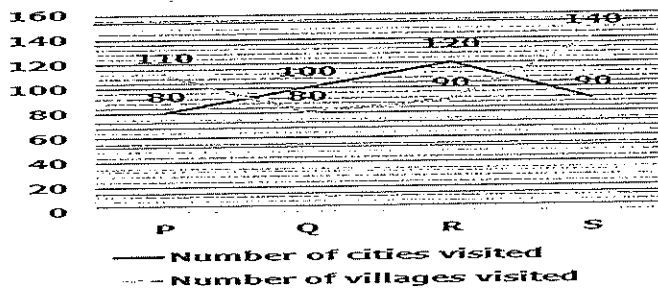
- a)1      b)11      c)24      d)12      e)None Of These

60. Find the angle between minute hand and hour hand, when the time is 5:30?

- a)80°      b)160°      c)120°      d)75°      e)None Of These

**Directions (Q.No:61 to 65) :** Read the following information carefully and answer the questions given below.

The given line graph shows the number of cities visited by four different tourists namely P, Q, R and S and also given the number of villages visited by these four tourists.



61. Find the sum of the total number of cities and villages visited by Tourist S and the number of villages visited by Tourist P.

- a) 340      b) 280      c) 300      d) 360      e) None of these

62. Find the average number of villages visited by all the four tourists together.

- a) 101      b) 110      c) 120      d) 105      e) None of these

63. Find the difference between the number of cities visited by Tourist R and S together and the number of villages visited by Tourist Q.

- a) 130      b) 150      c) 120      d) 140      e) None of these

64. Find the ratio of the number of cities visited by Tourist P to the number of villages visited by Tourist S.

- a) 5:2      b) 4:7      c) 5:3      d) 4:3      e) None of these

65. The number of villages visited by Tourist R is what percentage more or less than the number of cities visited by Tourist Q?

- a) 20% more      b) 10% less      c) 12% more      d) 15% less      e) None of these

66.  $3.5 \times 4 \div 0.5 = ?$

- a) 50      b) 42      c) 33      d) 28      e) None of these.

67.  $121 \div 11 \times 144 \div 12 = ?$

- a) 131      b) 132      c) 133      d) 144      e) None of these.

68. Find the cube root of 636056.

- a) 82      b) 84      c) 86      d) 88      e) None of these.

69. Find the square root of 3025.

- a) 45                      b) 55                      c) 65                      d) 75                      e)None of these.

70. Find the least value of '\*' so that the number 2839\*12 is divisible by 6.

- a) 0                      b)1                      c)2                      d)3                      e)None of these.

71. A man bought an article at Rs.2500 and sold at Rs.2200. Find Loss or Profit?

- a)Rs.300(loss)    b)Rs.900(loss)    c)Rs.300(profit)    d)Rs.550(loss)    e)NoneOfThese.

72. A man purchases an article at Rs.1800 and sold at a loss of 10%. Find the selling price.

- a)Rs.1200                      b)Rs.1400                      c)Rs.1800                      d)Rs.1600                      e)NoneOfThese.

73. Three successive discounts of 20%, 30% and 50% are equivalent to single discount of.

- a) 100%                      b) 75%                      c) 72%                      d) 85%                      e)NoneOfThese.

74. Find the least value of '\*' so that the number 312\*4 is divisible by 4.

- a)1                      b)3                      c)5                      d)0                      e)NoneOfThese.

75. Pointing out a man receiving the prize, Malaika said, "He is the brother of my uncle's daughter." Who is the man to Malaika??

- a) uncle                      b)daughter                      c)son                      d)Cousin                      e)None of These

76. Pointing to a girl, Kirti Said, "She is the daughter of my brother's wife". How is the girl related to Kirti?

- a) Sister-in-law    b) mother-in-law    c) Daughter-in-law    d) Niece                      e)None of these.

77. What is the unit digit of  $136^{261} \times 137^{721}$  ?

- a)1                      b)2                      c)3                      d)0                      e)None of These

78. Sunita is daughter of Karan. Kanika is the mother of Karan. Mita is the wife of Karan. Poonam & Shruti are daughters of Karan. How is shruti related to karan?

- a)Daughter    b)Wife    c)Grandmother    d)Mother    e)None of These

79. A man said to his son, "I was one-third of your present age when you were born". If the present age of the man is 48 years, find the present age of the son.

- a)25.7yrs                      b)28yrs                      c)29.5yrs                      d)36yrs                      e)NoneOfThese.

80. One year ago, the ratio of Honey and Piyush ages was 2: 3 respectively. After five years from now, this ratio becomes 4: 5. How old is Piyush now?

- a)10yrs    b)15yrs    c)16yrs    d)17yrs    e)NoneOfThese.

\* \* \* \*

SEE JAN'24

LSCT12/08-02-2024

HEALTH AND HYGIENE

No. of Pages: 1

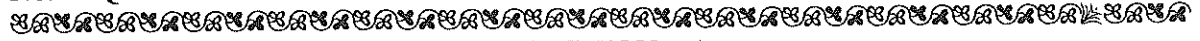
Time: 2Hrs

No. of Questions: 14

|          |  |
|----------|--|
| Roll No: |  |
|----------|--|

Max. Marks: 40M

Pass Min: 16M



SECTION – A

Answer any FIVE of the following:

5 X 2 = 10M

1. Define nutrition.
2. Define complex carbohydrates with two examples.
3. Note on importance of iron and its rich sources.
4. IDA.
5. Differentiate epidemic and pandemic.
6. Importance of environmental sanitation.
7. ASHA.
8. Write a note on Arogya Setu.

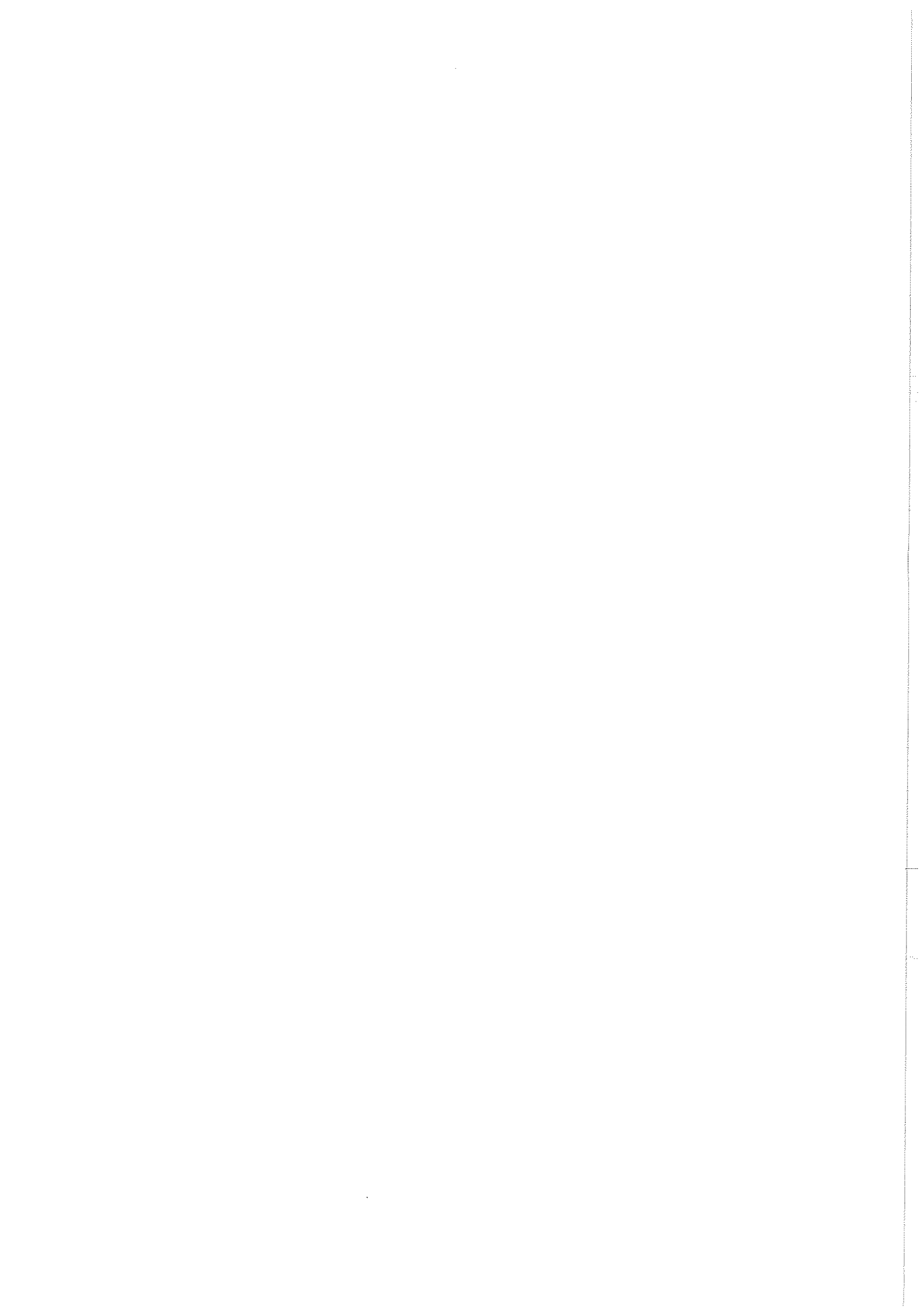
SECTION – B

Answer any THREE of the following:

3 X 10 = 30M

9. Explain the importance of vitamins in maintaining health.
10. Describe the functions of protein and deficiency effects.
11. Explain the role of WHO and UNICEF.
12. Illustrate the role of Government and public during disasters.
13. How do you create awareness in public through digital media? Discuss any two Apps.
14. Explain the role and responsibilities of nutritional committee in maintenance of rural community health.

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## ORGANIC CHEMISTRY AND SPECTROSCOPY

No. of Pages: 02

Roll No:

Max. Marks: 70M

Time: 3 Hrs

No. of Questions: 10

Pass Min.: 28M

\*\*\*\*\*

Section A

Answer the following:

5 x 4 = 20M

1. a) Write the preparation methods of alkyl halides.  
or  
b) Write Bonvaelt – Blanc reduction.
2. a) Explain the mechanism of Perkin's reaction.  
or  
b) Interpret the mechanism for Bayer-Villiger oxidation reaction.
3. a) Explain the effect of substituents on acidic strength of mono-carboxylic acids.  
or  
b) Write a note on Claisen condensation reaction mechanism.
4. a) Write the selection rules for electronic spectra.  
or  
b) Write a note on spin – spin coupling and coupling constant.
5. a) Explain the impact of conjugation on electronic transitions in molecules.  
or  
b) Write a note on finger print region and its significance.

Section B

Answer the following:

5 x 10 = 50M

6. a) Explain the detailed mechanism of SN<sup>1</sup> and SN<sup>2</sup> reaction with suitable examples.  
or  
b) Explain the following reactions with mechanisms  
i) Pinacol-Pinacolone rearrangement  
ii) Fries rearrangement
7. a) Explain the reaction mechanism of the following reactions:  
i) Aldol condensation    ii) Benzoin condensation.  
or  
b) Write any three synthetic applications of ethyl acetoacetate.
8. a) Explain the acid and base hydrolysis reaction of esters with mechanism.  
or  
b) Explain the mechanism of Curtius rearrangement and Arndt – Eistert reaction.

Contd.....(2)

## ORGANIC CHEMISTRY AND SPECTROSCOPY

9. a) What is molecular vibrations and write the types of molecular vibrations.

or

b) Explain the following:

i) Equivalent and non-equivalent proton.

ii) Chemical shift.

10. a) Write the Woodward rules for  $\lambda_{\text{max}}$  of  $\alpha, \beta$  - unsaturated compounds.

or

b) Write the IR spectra values of the following compounds:

i) Alkanes

ii) Alkenes.

iii) Carbonyl group.

iv) Carboxylic acid.

\*\*\*\*\*

2023 Batch

SEE JAN'24

23CHSDL101/08-02-2024

**LEADERSHIP SKILLS**

No. of Pages: 1

|          |  |
|----------|--|
| Roll No: |  |
|----------|--|

Max. Marks: 35M

Time: 2Hrs

Pass Min: 14M

No. of Questions: 09



**SECTION – A**

*Answer any THREE of the following:*

*3 X 5 = 15M*

1. Psychodynamic explanations.
2. Assessment of personality.
3. Techniques for building self confidence.
4. Importance of leadership.
5. Leadership qualities of Abraham Lincoln.

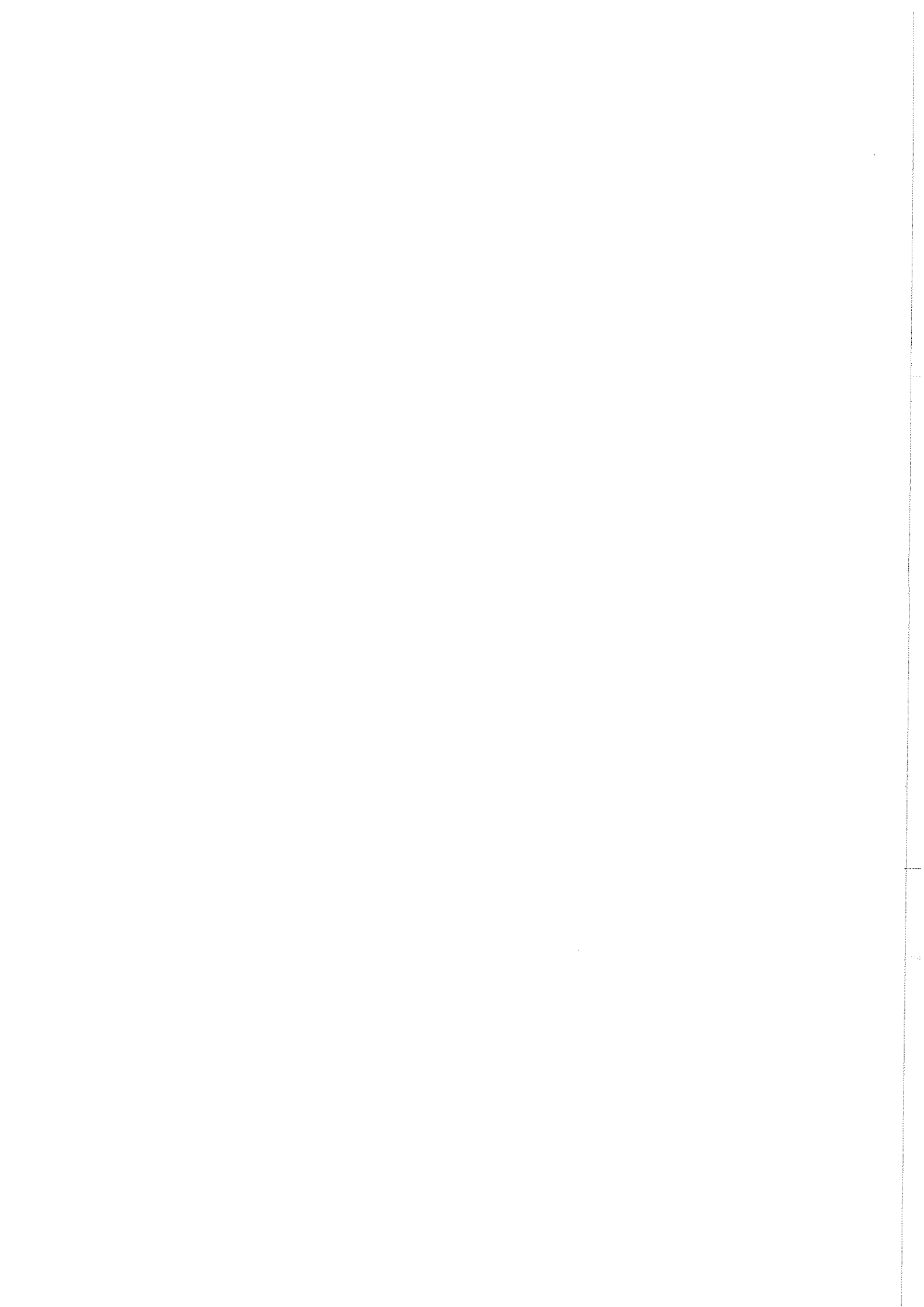
**SECTION – B**

*Answer any TWO of the following:*

*2 X 10 = 20M*

6. What are the big five personality traits? How are they typically measured and assessed in individuals.
7. What are self report techniques? Explain how they differ from projective methods in assessing personality traits and characteristics.
8. Discuss about the characteristics of leadership.
9. Analyse the leadership qualities of Mahatma Gandhi.

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SEE JAN 2024

LSCT06 / 08-02-2024

## Human Values and Professional Ethics

No. of Pages: 01

Roll No:

Max. Marks: 40M

Time: 2 Hrs

No. of Questions: 10

Pass Min.: 16M

\*\*\*\*\*

Section A

Answer any TWO of the following:

2 x 5 = 10M

1. What is value education? What is the need for values in daily life?
2. What are human values? What is their significance?
3. What do you mean by professional ethics? Explain.
4. What do you mean by values in human relationship?

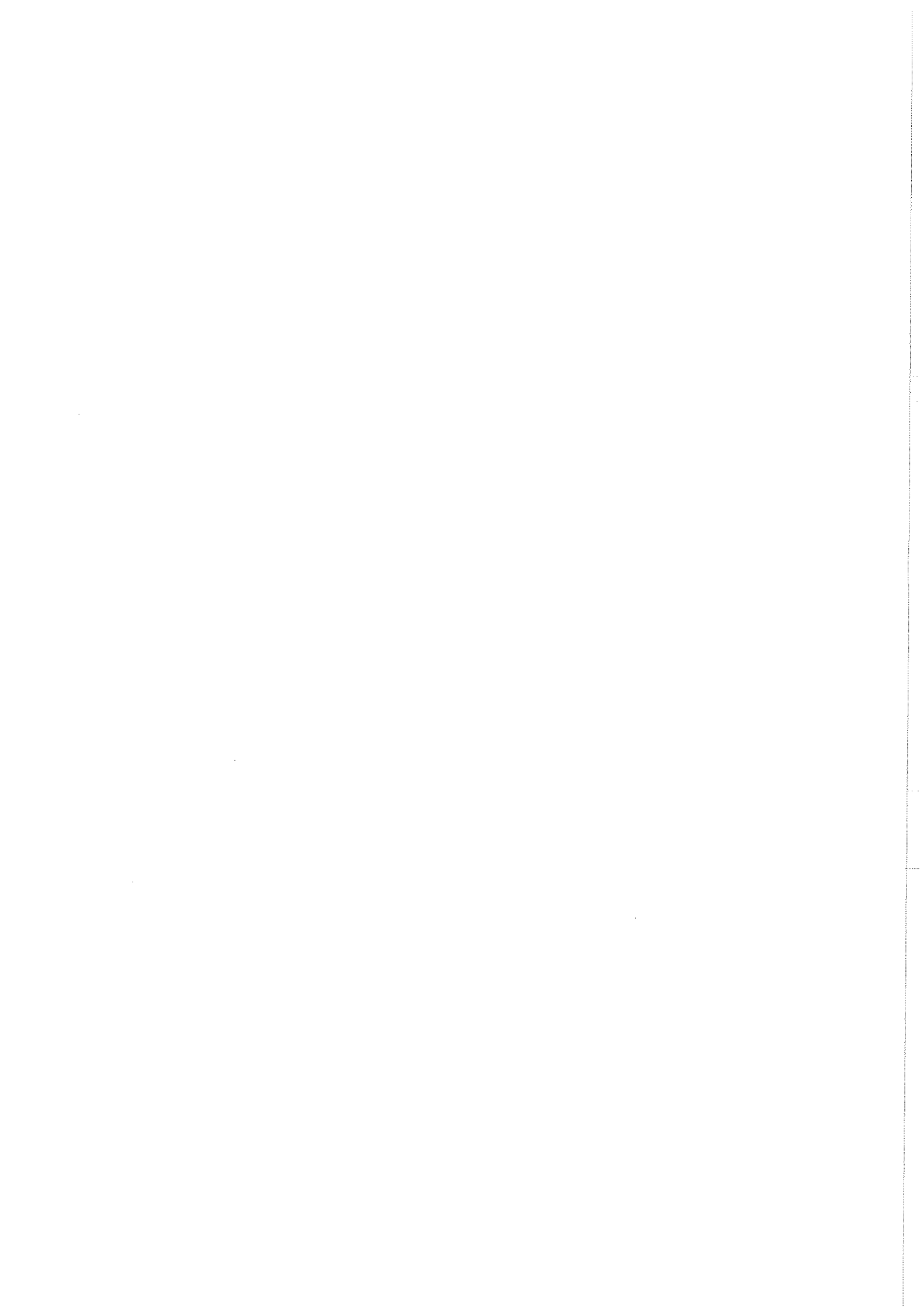
Section B

Answer any THREE of the following:

3 x 10 = 30M

5. Explain the need, basic guidelines and process for values education.
6. What do you understand by prosperity? What is the difference between prosperity and wealth? How are they related?
7. What do you mean by profession? Why is required to acquire ethical competence in profession?
8. What are the basic requirements to fulfill human aspirations of happiness and prosperity?
9. Explain in detail foundational values trust and respect.
10. "If a country is to be free of corruption and a nation of beautiful minds, I strongly feel there are three key societal members who can make a difference. They are the father, the mother and the teacher"  
A.P.J Abdul Kalam. Discuss.

\* \* \*



No. of Pages : 02

Question Paper

No. of Questions : 16

Course Code (s) : ..... 31 .....

SEM - II

DD/MM/YY :

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 0 | 8 | 0 | 2 | 2 | 0 | 2 | 4 |
|---|---|---|---|---|---|---|---|

Subject : ..... MATHEMATICS .....

Paper Code : ..... MAT - 201 .....

Min Marks : 28

Title of the Paper : ..... Solid Geometry .....

Time : 3:00 Hrs.

Regd. No : 

|  |  |  |  |  |  |  |  |
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|--|--|--|--|--|--|--|--|

Max Marks : 70

SECTION - A

Answer any FOUR of the following questions.

4x5=20M

- Find the equation of a plane passing through  $(1, 0, -2)$  and perpendicular to the planes  $2x + y - z - 2 = 0$  and  $x - y - z - 3 = 0$ .
- Find the equation to the plane through the intersection of the planes  $x + 2y + 3z + 4 = 0$  and  $4x + 3y + 3z + 1 = 0$  and perpendicular to the plane  $x + y + z + 9 = 0$ .
- Find the image of the point  $(2, -1, 3)$  in the line  $3x - 2y + z = 9$ .
- Find the equation to the plane containing the parallel lines  $\frac{x-3}{4} = \frac{y-2}{-5} = \frac{z-4}{-1}$ ,  $\frac{x+2}{-4} = \frac{y}{5} = \frac{z-3}{1}$
- Find the equation to the sphere through  $O=(0,0,0)$  and making intercepts  $a, b, c$  on the axes.
- Show that the circle  $x^2 + y^2 + z^2 - y + 2z = 0$ ,  $x - y + z - 2 = 0$ ,  $x^2 + y^2 + z^2 + x - 3y + z - 5 = 0$ ,  $2x - y + 4z - 1 = 0$ . lie on the same sphere and find its equation.
- Find the radical centre of the sphere  $x^2 + y^2 + z^2 + 4y = 0$ ,  $x^2 + y^2 + z^2 + 2x + 2y + 2z + 2 = 0$   
 $x^2 + y^2 + z^2 + 3x - 2y + 8z + 6 = 0$ ,  $x^2 + y^2 + z^2 - x + 4y - 6z - 2 = 0$ .
- Find the equation of the cone whose vertex is  $(1, 1, 0)$  and whose guiding curve is  $y = 0, x^2 + z^2 = 4$ .

**SECTION - B**

Answer any **FIVE** of the following questions.

**5x10=50M**

9. Prove that the equation  $2x^2 - 6y^2 - 12z^2 + 18yz + 2zx + xy = 0$  represents a pair of planes and find the angle between them.
10. Find the S.D between the lines  $\frac{x-3}{3} = \frac{y-8}{-1} = \frac{z-3}{1}$ ,  $\frac{x+3}{-3} = \frac{y+7}{2} = \frac{z-6}{4}$ . Also find the equations and the points in which the S.D meets the given lines.
11. Find the equation of the sphere for which the circle  $x^2 + y^2 + z^2 + 7y - 2z + 2 = 0$ ,  $2x + 3y + 4z = 8$  is a great circle.
12. Show that the plane  $2x - 2y + z + 12 = 0$  touches the sphere  $x^2 + y^2 + z^2 - 2x - 4y + 2z - 3 = 0$  and find the point of contact.
13. Find the limiting points of the Coaxial system defined by the spheres  $x^2 + y^2 + z^2 + 4x - 2y + 2z + 6 = 0$  and  $x^2 + y^2 + z^2 + 2x - 4y - 2z + 6 = 0$ .
14. If  $r_1, r_2$  are the radii of the orthogonal spheres, then the radius of the circle of their intersection is  $\frac{r_1 r_2}{\sqrt{r_1^2 + r_2^2}}$ .
15. Find the vertex of the cone  $7x^2 + 2y^2 + 2z^2 - 10zx + 10xy + 26x - 2y + 2z - 17 = 0$ .
16. Find the equation of the Right circular cone whose vertex is  $(1, -2, -1)$  axis is the line  $\frac{x-1}{3} = \frac{y+2}{4} = \frac{z+1}{5}$  and the semi vertical angle  $60^\circ$ .

AG & SG Siddhartha Degree College of Arts & Science (AUTONOMOUS)

VUYURU - 521 165.

No. of Pages : 01

Question Paper

No. of Questions : 16

Course Code (s) : ..... 41 .....

SEM - II

DD/MM/YY :

0 9 0 2 2 0 2 4

Subject : ..... ZOOLOGY .....

Paper Code : ..... ZOO - 201 .....

Min Marks : 28

Title of the Paper : ..... Animal Diversity - Biology of Chordates .....

Time : 3:00 Hrs.

Regd. No :

Max Marks : 70

**SECTION – A**

Answer any **FOUR** questions. Each question carries **FIVE** marks.

4x5=20M

Draw neat labeled diagrams wherever necessary.

1. General Characters of Chordata - కార్డేటా యొక్క సాధారణ లక్షణములు
2. Affinities of Cephalochordata - సేఫాలో కార్డేటా యొక్క సత్సంబంధాలు
3. Scoliodon heart - స్కొలియోడాన్ యొక్క గుండెను వివరించండి.
4. Amphibia general characters - అంఫిబియా సాధారణ లక్షణాలు
5. Naja Naja - నాజ నాజ
6. Write short note on Quill feather - క్విల్ ఈక గూర్చి వ్రాయండి.
7. General characters of mammals - క్షీరదాల యొక్క సాధారణ లక్షణాలు
8. Prototheria - ప్రొటోథీరియా

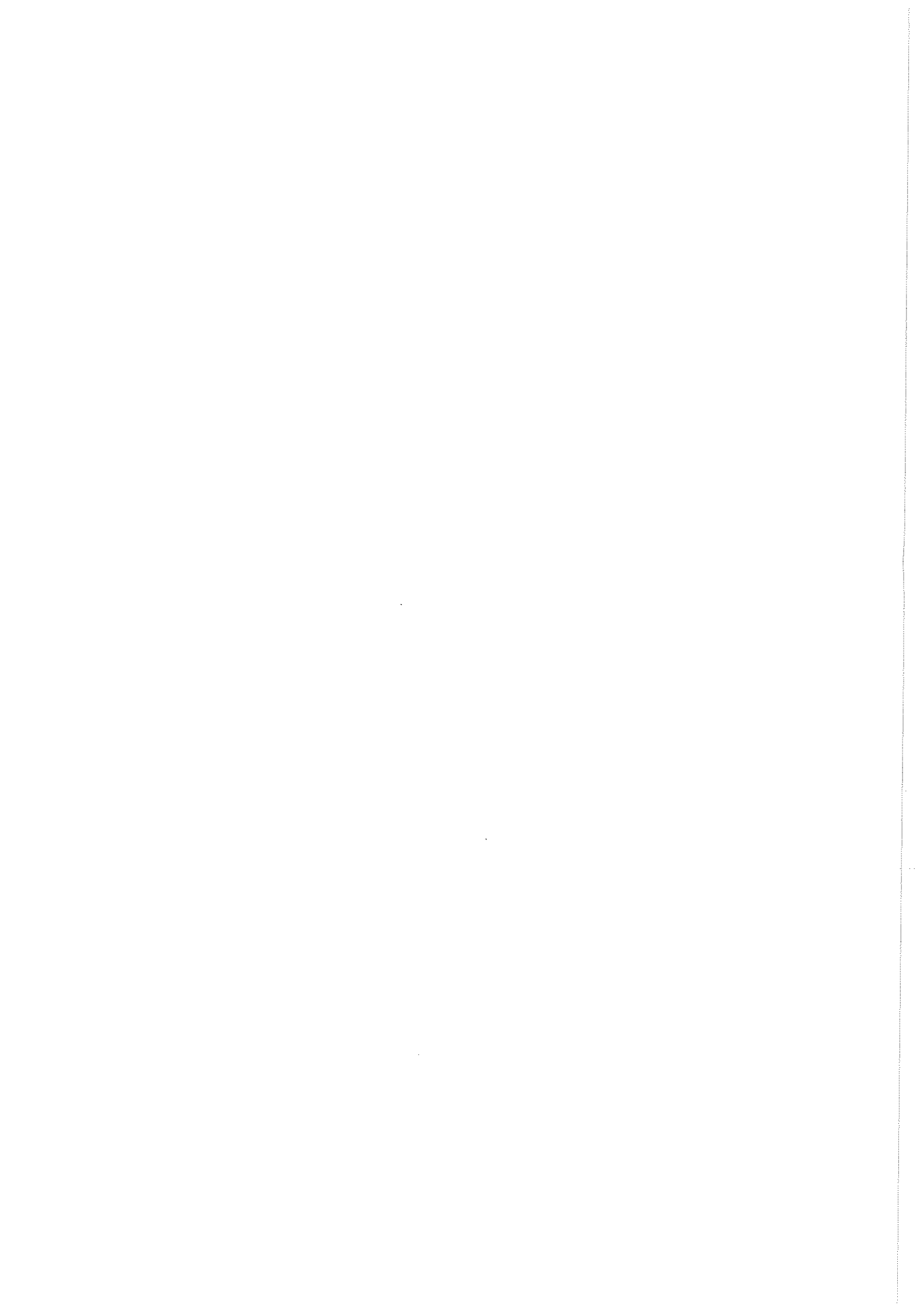
**SECTION – B**

Answer any **FIVE** questions. Each question carries **TEN** marks.

5x10=50M

Draw neat labeled diagrams wherever necessary.

9. Explain the structure of Herdmania with neat labeled diagram.  
హెర్డ్మేనియా జీవిత చరిత్రను చక్కని పటము సహాయముతో వివరించండి.
10. Write the differences between Petromyzon & Myxine.  
పెట్రోమైజాన్ మరియు మిక్సిన్ మధ్యగల తేడాలను వివరించండి.
11. Describe the Process of Migration in Fishes.  
చేపలలో వలస విధానాన్ని గూర్చి వివరించండి.
12. Describe the structure of heart in Frog with neat labeled diagram.  
కప్ప యొక్క గుండె నిర్మాణమును చక్కని పటము సహాయముతో వివరించండి.
13. Write an essay on digestive system of Calotes.  
కెలోటీస్ యొక్క జీర్ణవ్యవస్థను గూర్చి వ్రాయండి.
14. Explain the respiratory system of Columba livia.  
కొలంబాలివియాలో శ్వాసవ్యవస్థను వివరించండి.
15. Write an essay on Flight adaptations in Birds.  
పక్షులలో ఎగరడానికి ఉపయోగపడే అనుకూలనములను వ్రాయండి.
16. Give a detailed account on dentation in mammals.  
క్షీరదాలలో దంత నిర్మాణం గూర్చి వ్రాయండి.



SOCIAL WORK

No. of Pages: 01

Roll No:

Max. Marks: 40M

Time: 2 Hrs

No. of Questions: 10

Pass Min.: 16M

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Section A

Answer any TWO of the following:

2 x 5 = 10M

1. Define social work.
2. Differences between case work and counseling.
3. Community.
4. What is community empowerment?

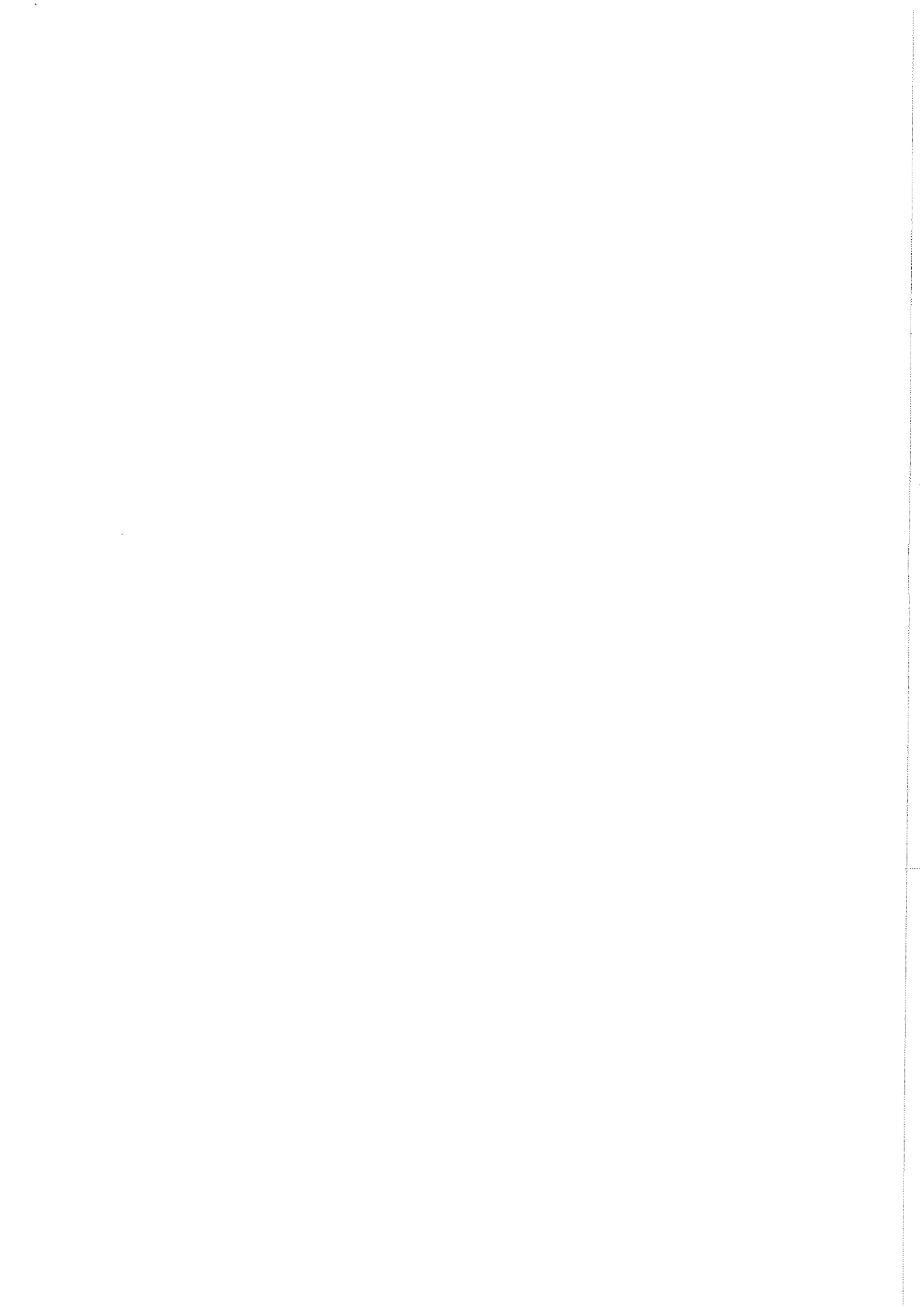
Section B

Answer any THREE of the following:

3 x 10 = 30M

5. Describe the scope and objectives of social work.
6. Discuss any two major problems in India.
7. Explain the scope and importance of social case work.
8. Write the different tools and techniques used in social case work.
9. Explain the different types of community.
10. Explain the nature, objectives and types of field work.

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SEE JAN 2024

SDCCOMT04 / 09-02-2024

Advertising

No. of Pages: 01

Roll No:

Max. Marks: 40M

Time: 2 Hrs

No. of Questions: 10

Pass Min.: 16M

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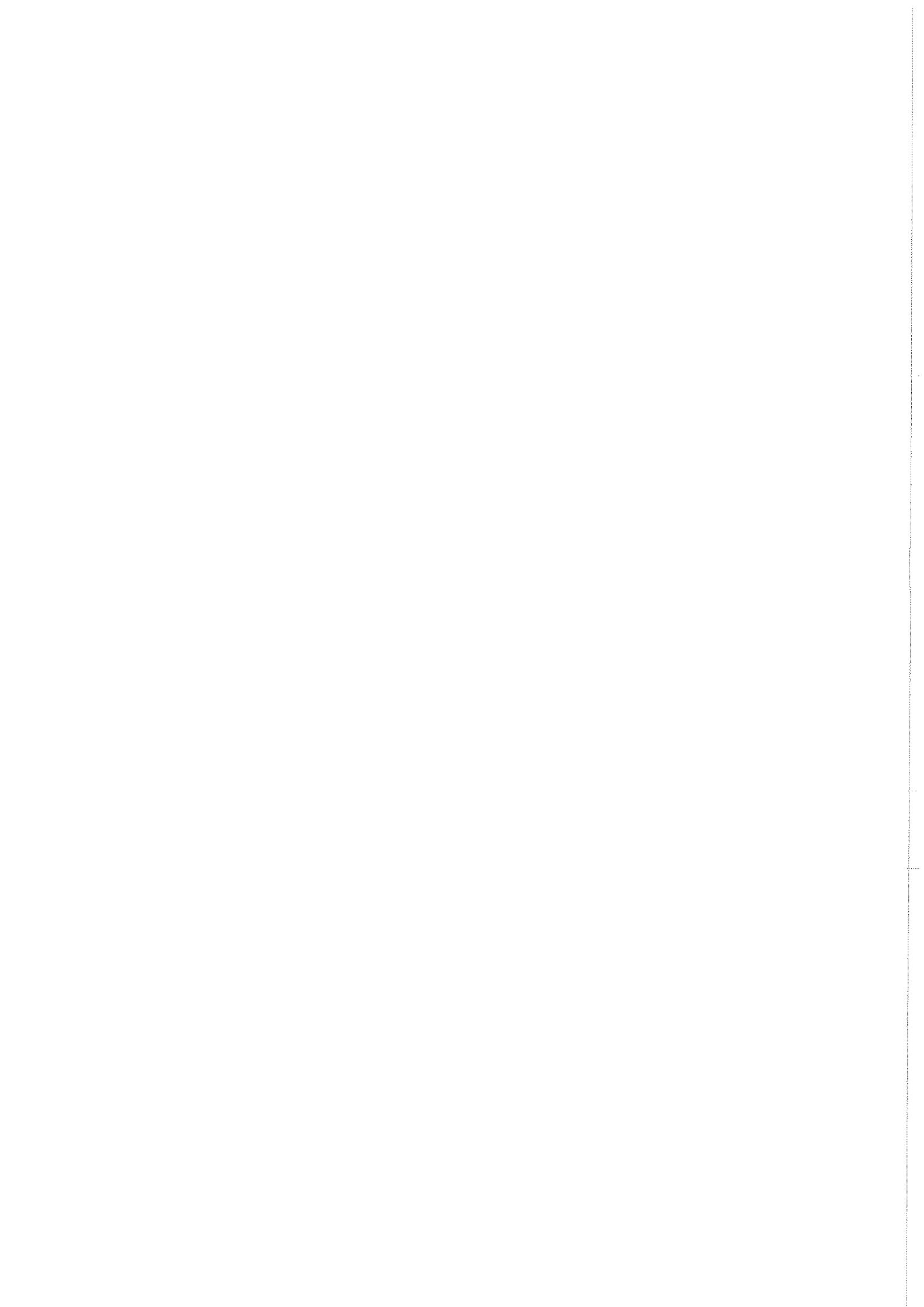
**SECTION-A****Answer any TWO of the following questions.****2x5=10 Marks**

1. Advertising
2. Target Groups
3. Local Advertising
4. Business Promotion

**SECTION-B****Answer any THREE of the following questions.****3X10=30 Marks**

5. Write about various advertising concepts.
6. Explain different types of advertising.
7. What is the role of advertising agencies and their responsibilities?
8. Explain about Advertising Statutory Bodies in India.
9. Explain various characteristics of advertising.
10. Write about impact of feedback on advertisement.

= X =



SEE JAN'24

SDCBOTT01/09-02-2024

## PLANT NURSERY MANAGEMENT

No. of Pages: 1

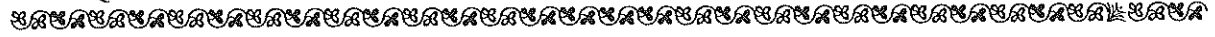
Roll No:

Max. Marks: 40M

Time: 2Hrs

Pass Min: 16M

No. of Questions: 10



## SECTION A

Answer any TWO of the following:

2, X 5 = 10M

1. Different types of nurseries.
2. Soil sterilization.
3. Pests and diseases.
4. Seed treatment.

## SECTION B

Answer any THREE of the following:

3 X 10 = 30M

5. Write an essay on lay out of a model nursery.
6. Give a brief account of plant propagation structures.
7. Write an essay on growing media.
8. What is a nursery bed? Explain different types of nursery beds. List the precautions to be taken during their preparation!.
9. Detail the processes in nursery management.
10. Write an essay on online nursery information and sales systems.

= X =

