

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I : (2025-2026)
ECONOMICS
CLASS: XI

TIME: 1½ Hours**Maximum Marks: 40****NAME:** _____ **SEC.:** ____ **ROLL NO. :** ____**General Instructions:**

1. Marks for questions are indicated against each question.
2. Question No. 1-10 are 1 mark questions and are to be answered in one word.
3. Question No.11-12 are 3 marks questions and are to be answered in 60-80 words each.
4. Question no.13-15 are 4 marks questions and are to be answered in 80-100 words each.
5. Question No.16-17 are 6 marks questions and are to be answered in 100-150 words each.
Question No.17 is a Case-Based question.
6. Answers should be brief and to the point and the above word limit be adhered to as far as possible.

1. The problem of what to produce relates to 1
 - a) choice of technique b) distribution of income
 - c) the choice of goods and services d) market value of goods and services.

(Choose the most appropriate option)
2. Read the following statements: Assertion (A) and Reason (R). Choose the most appropriate option given below: 1

Assertion (A): How much to produce is not one of the dimensions of what to produce.

Reason (R) : Rich or poor, developed or developing, every economy faces central problem.

 - a) Both A & R are true and R is the correct explanation of A.
 - b) Both A & R are true but R is not the correct explanation of A.
 - c) A is true but R is false.
 - d) A is false but R is true.
3. Read the following statements carefully and choose the correct alternative from the following: 1

Statement 1: Resources are always scarce in relation to wants.

Statement 2: Economic problem is the problem of allocating scarce resources to alternative uses.

 - a) Both the statements are true.
 - b) Both the statements are false.
 - c) Statement 1 is true but Statement 2 is false.
 - d) Statement 2 is true but Statement 1 is false.
4. Which of the following is the method of secondary data collection? 1
 - a) Direct personal investigation b) Direct oral investigation
 - c) Government publication d) Collection of data through questionnaire.

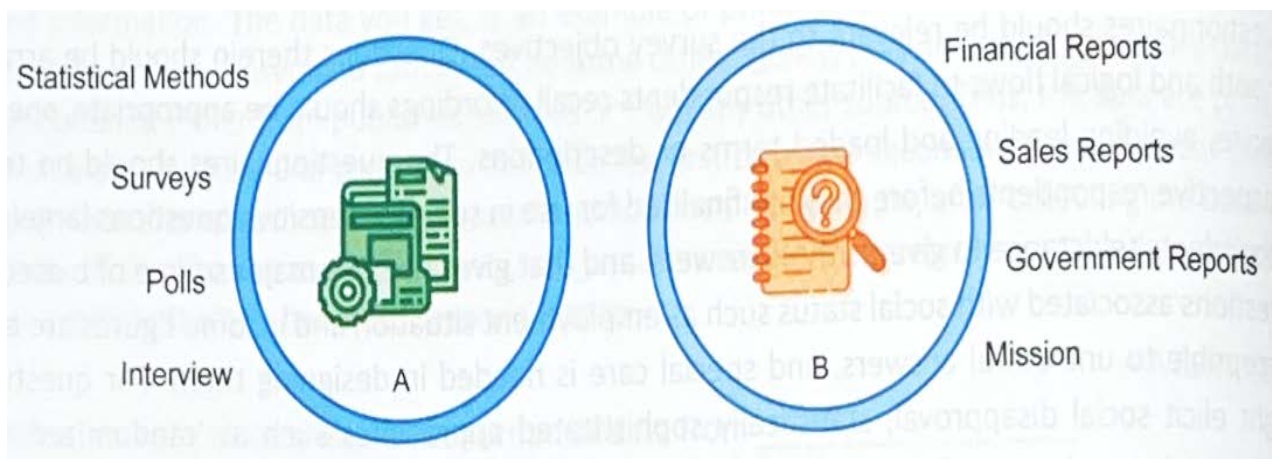
(Choose the most appropriate option)
5. Which of the following statements is incorrect? 1
 - a) Resources have alternative uses b) All numbers are statistics
 - c) Macroeconomics studies large aggregates
 - d) Statistics studies only the aggregates of quantitative facts.

(Choose the most appropriate option)

6. bar diagrams are used generally when the values are of high magnitude. 1
- a) Percentage b) Horizontal c)) Vertical d) Subdivided

(Choose the most appropriate option)

7. 1



A and B in the above diagram stands respectively for

- a) derived data and second hand data
 b) secondary data and primary data
 c) primary data and secondary data
 d) second hand data and first hand data.

(Choose the most appropriate option)

8. Match the following: 1

Column I

- A Exclusive series
 B Discrete variables
 C Open-end series
 D Relative frequency

Column II

- i) Assume values in complete numbers
 ii) Frequency values are expressed as percentage of the total frequency
 iii) Upper limit of the last class interval is missing
 iv) Value of upper limit of a class interval is not included in that class

Choose the most appropriate option:

- a) A-i, B-ii, C-iii, D-iv b) A-ii, B-iv, C-i, D-iii
 c) A-ii, B-iii, C-iv, D-i d) A-iv, B-i, C-iii, D-ii

9. Read the following statements carefully and choose the correct alternative from the following: 1

Statement 1: Pie diagram is the best form of frequency diagram.

Statement 2: Pie diagram is not a geometric form of diagrammatic presentation of data.

- a) Both the statements are true.
 b) Both the statements are false.
 c) Statement 1 is true but Statement 2 is false.
 d) Statement 2 is true but Statement 1 is false.

10. Read the following statements: Assertion (A) and Reason (R). Choose the most appropriate option given below: 1
- Assertion (A):** Mid value is the difference between the upper limit and lower limit of a class
- Reason (R) :** Frequency is the number of times an item repeats itself in the series
- a) Both A & R are true and R is the correct explanation of A.
- b) Both A & R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.
11. Explain any three functions of Statistics. 3

OR

Explain any three limitations of Statistics.

12. Differentiate between census method and sample method. 3
13. Prepare frequency distribution along with tally bars with a class interval of 5 on exclusive basis: 4
- 24,15,9,4,5,22,26,13,18,8,15,9,14,28,27,12,6,29,32,18,36,16,2,17,1,23,15,10,18,7.

OR

Prepare frequency distribution along with tally bars with a class interval of 6 on inclusive basis:

24,15,9,4,5,22,26,13,18,8,15,9,14,28,27,12,6,29,32,18,36,16,2,17,1,23,15,10,18,7.

14. Prepare a pie diagram to show the percentage on the expenditure of a labour class family: 4

ITEMS OF EXPENDITURE	PERCENTAGE OF INCOME SPENT
Food	65
Clothing	15
Housing	12
Fuel & Light	5
Others	3

15. Explain the qualities of a good questionnaire. 4
16. Present the following data by a Multiple Bar diagram: 6

SUBJECT	NUMBER OF STUDENTS IN 2011	NUMBER OF STUDENTS IN 2012
STATISTICS	25	30
ECONOMICS	40	42
ACCOUNTANCY	35	28

OR

Present the following data by a Subdivided or Component Bar diagram:

YEAR	HYDRO ELECTRICITY	THERMAL ELECTRICITY
2018-19	46	64
2019-20	49	72
2020-21	48	82
2021-22	51	89

6

17. Read the following text and answer the questions that follows:

As individuals face scarcity of resources, the resources of an economy as a whole are always limited in comparison to what the people in the economy collectively want to have. The scarce resources have alternative usages and every society has to decide on how much of each of the resources to use in the production of different goods and services. Every society has to determine how to allocate its scarce resources to different goods and services.

An allocation of the scarce resource of the economy gives rise to a particular combination of different goods and services. It is possible to allocate the resources in different ways and thereby achieving different mixes of all possible goods and services. The collection of all possible combination of goods and services that can be produced from a given amount of resources and a given stock of technological knowledge is called production possibility set of the economy.

- i) What do you mean by a Production Possibility Curve? (1)
- ii) State any two assumptions of Production Possibility Curve. (2)
- iii) Draw a Production Possibility Curve to show and explain
 - a) Fuller utilization of resources
 - b) Under utilization of resources. (3)

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I: (2025-2026)
PHYSICAL EDUCATION
CLASS: XI

Time : 1½ Hours

Maximum Marks : 40

NAME: _____ SEC.: _____ ROLL NO.: _____

General Instructions :(i) The question paper consists of **5** sections and **20** questions.(ii) **Section - A** consists of question **1- 7** carrying **1** mark each and is multiple choice questions. All questions are compulsory.(iii) **Section - B** consists of question **8-11** carrying **2** marks each and are Very short Answer Types and should not exceed 60-90 words. Attempt any **3**.(iv) **Section - C** consists of question **12- 15** carrying **3** marks each and are Short Answer Types and should not exceed **100-150** words. **Attempt any 3**.(v) **Section - D** consists of question **16-17** carrying **4** marks each and are case studies. There is internal choice available.(vi) **Section - E** consists of question **18-20** carrying **5** marks each and are Long Answer Types and should not exceed **200-300** words. Attempt any **2**.**SECTION A****(All Questions are Compulsory)**

1. Where is Lakshmibai National institute of Physical Education(LNPE) Situated? 1
a) New Delhi b) Patiala c) Gwalior d) Kerala
2. Which of the following is NOT the objective of physical Education? 1
a) Emotional Development b) Social Development
c) Evaluation d) Neuro- Muscular Development
3. NCC was introduced in 1
a) 1947 b) 1948 c) 1950 d) 1951
4. The Word "Altius " in the Olympic motto means 1
a) Faster b) Higher c) Heavier d) Stranger
5. The Olympic flag was used for the first time in 1
a) 1986, Athens,, Greece b) 1920, Antwerp, Belgium
c) 1924, Paris, France d) 1928, Amsterdam, Netherlands
6. According to Patanjali, the elements of yoga are: 1
a) 6 b) 7 c) 8 d) 1
7. On which date is the International Yoga Day celebrated every year? 1
a) 21August b) 21 June c) 21 January d) 21 July

SECTION- B**(Attempt any 3 questions)**

8. What do you mean by CABPER? 2
9. What is the Olympic Oath? 2
10. What is Yama? 2
11. What are the benefits of Kapalbhathi? 1+1

SECTION- C**(Attempt any 3 questions)**

12. Write a note on Ancient Olympics. 3
13. State the objectives of Fit- India programme and explain them. 1+1+1
14. Write down the functions of IOC. 1+1+1
15. How yoga is the remedy of stress? 3

SECTION-D

16. Look at the following figure and answer these questions .

4



Figure 2.5 Olympic Flag

- a) What do the five rings of the given flag represent?
b) The olympic Flag was first hoisted in _____.
c) What does the white background of the flag symbolise?
d) The olympic symbol of five rings was designed by _____.

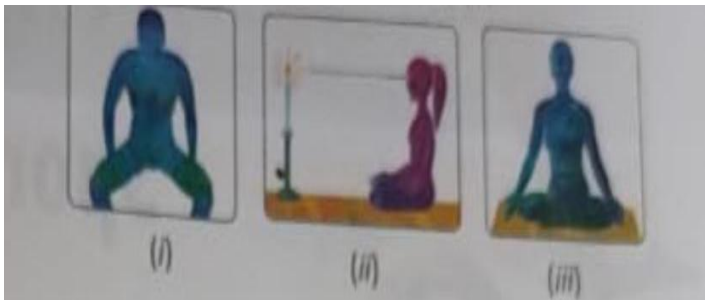
OR

After how many years, re-election is doen for the post of Vice-President of IOC?

17. Read the following case study and answer the questions given after it.

4

Raman is a student of class 11. One day ,a medical check-up camp arrived in his locality. Raman participated there as a volunteer. Most of the people were advised to practice Yogic Kriyas on regular basis. The local body of the locality hired a Yoga instructor and people started the practice of Yogic kriyas under his/her guidance. Some of these kriyas shown below.



On the basis of above situation, answer the following questions.

- i) The Yogic kriya (i) can be identified as:
a) Samadhi b) Kapalbhathi c) Dharana d) Nouli
- ii) The Yogic kriya (ii) can be identified as:
a) Sukhasana b) Tratak c) Neti d) padmasana
- iii) The Yogic kriya (iii) can be identified as:
a) Nouli b) Dhouti c) Kapalbhathi d) Basti
- iv) The Yogic kriya (iii)
a) Improves the functioning of the lungs b) Improves weak memory
c) Both (a) and (b) d) Neither (a) nor (b)

SECTION-E

(Attempt any 2 questions)

18. Explain the development of physical education in India after independence.
19. Write down in details about the 'Olympic value education'
20. How Yoga is beneficial for us. Explain?

5
5
5

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I: (2025-26)
ACCOUNTANCY
CLASS: XI

Time: 1 ½ Hours

Maximum Marks : 40

NAME: _____ SEC.: _____ ROLL NO.: _____

General Instructions:

- (i) This paper has 18 questions and all questions are compulsory.
(ii) Marks are indicated against each question.
(iii) Question 1-11 carry 1 marks.
(iv) Question 12-14 carry 3 marks.
(v) Question 15-16 carry 4 marks.
(vi) Question 17-18 carry 6 marks.
(v) Attempt all parts of the questions together.

1. Assertion (A): Accounting record only transactions of financial nature. 1
Reason (R): Goods taken from the business by the proprietor for his personal use is not of financial nature and hence will not be recorded.
Choose the correct alternative:-
a) Both A and R are true and R is the correct explanation of A.
b) Both A and R are true and R is not the correct explanation of A.
c) A is true but R is false.
d) A is false but R is true.
2. Mr. Dinanath who owed us ₹50,000 became insolvent and paid only 40% of this amount. 1
What is the term used for the amount not received?
a) Bad debts b) Bankrupt
b) Insolvency d) Write-off
3. Due to which of the following, contingent liabilities are shown in the balance sheet? 1
a) Dual Aspect Concept
b) Conventions of full disclosure
c) Convention of materiality
d) Going concern Concept

OR

- Providing depreciation on fixed assets is in accordance with which of the following principles/concepts.
i. Going concern
ii. Matching concept
iii. Materiality
a) (i) and (ii) b) (ii) and (iii) c) (i) and (iii) d) (i), (ii) and (iii)
4. Current liabilities does not include: 1
(a) Bills payable (b) Creditors
(c) Outstanding expenses (d) Debentures
5. Rule of "debit the expenses or losses and credit the incomes or gains" applies to _____. 1
a) Nominal account b) Real accounts
c) Personal accounts d) Impersonal account

OR

- Journal records the transactions of a firm in a _____.
(a) periodic manner (b) chronological order
(c) summarised manner (d) systematic order
6. Which of the concept is having the same accounting methods that should be used each year? 1
(a) Prudence (b) Full disclosure (c) Materiality (d) Consistency
7. Match the following:- 1

Column-I

- A. Cash Memo
B. Pay in Slip
C. Loan
D. Debtors

Column-II

- i) Liability
ii) Assets
iii) Supporting Vouchers
iv) Depositing money in the bank

Codes:-

- A B C D
a. (iii) (iv) (i) (ii)
c. (ii) (i) (iii) (iv)

- A B C D
b. (i) (iii) (ii) (iv)
d. (iv) (ii) (i) (iii)

8. If the capital of a business is ₹ 1, 00,000 and outside liabilities are ₹60,000. Calculate total assets of the business. 1
 (a) ₹ 1,60,000 (b) ₹ 50,000
 (c) ₹ 60,000 (d) ₹ 1,50,000
9. According to convention of conservatism closing stock is valued at _____. 1
 a) cost price
 b) realisable value
 c) cost price or realisable value whichever is less
 d) real value
- OR**
- According to the cost concept, the assets are _____.
 (a) recorded at lower of cost and market value.
 (b) recorded by estimating the market value at the time of purchase.
 (c) recorded at the value paid for acquiring it.
 (d) not recorded.
10. Last step of accounting process is _____. 1
 (a) provide information to various parties who are interested to business enterprise.
 (b) record transactions in the books.
 (c) to make summary in the form of financial statements.
 (d) to classify the transactions under separate heads in the ledger.
- OR**
- Cash Discount is _____.
 (a) received at the time of making the payment.
 (b) allowed at the time of sale of goods.
 (c) received at the time of purchase of goods.
 (d) received both at the time of making payment and purchase of goods.
11. Assertion (A): Invoice is a source document. 1
 Reason (R): An Invoice is prepared by the seller of goods when he sells goods on credit.
 Choose the correct alternative:-
 a) Both A and R are true and R is the correct explanation of A.
 b) Both A and R are true and R is not the correct explanation of A.
 c) A is true but R is false.
 d) A is false but R is true.
12. Explain any **three** functions of accounting. 3
13. Distinguish between accounting concepts and accounting conventions. 3
- OR**
- What is meant by Accrual Basis of accounting? Explain any two advantages of accrual basis of accounting.
14. "The role of accounting has changed over the period of time." Explain. 3
15. Prove that the accounting equation is satisfied in all the following transactions of Siddhi :- 4
 a) Started business with cash ₹50,000 and goods ₹20,000.
 b) Bought goods for Cash ₹15,000 and on credit for ₹10,000.
 c) Goods costing ₹24,000 sold at a profit of $33\frac{1}{2}\%$. Half the payment received in cash.
 d) Purchased furniture for office use ₹6,000 and for household use of Siddhi ₹4,000.
16. Distinguish between Cash basis of accounting and Accrual basis of accounting. Write any **four** points. 4
- OR**
- Explain the important features of double entry system.
17. Journalise the following transactions:- 6
 a) Sold goods to Rajesh of the list price of ₹10,000 at trade discount of 5%. Received full payment in cash.
 b) Goods given away as charity ₹1,000.
 c) Charge interest on capital of ₹5,00,000@7%p.a.
 d) Outstanding wages ₹3000.
 e) ₹5,000 due from Ravi are now bad debts.
 f) ₹50,000 cash sales (of goods costing ₹40,000).
18. Explain the uses of accounting which helps the management by providing various information. 6
- OR**
- Describe the chief characteristics of Business Transaction.

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I: (2025-26)
BANKING
CLASS: XI

Time: 1 ½ Hours

Maximum Marks: 40

NAME: _____ SEC.: _____ ROLL NO.: _____

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **16 questions** in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **Out of the given (4 + 12 =) 16 questions, a candidate has to answer (4 + 7 =) 11 questions in the allotted (maximum) time of 1 ½ hours.**
5. All questions of a particular section must be attempted in the correct order.

6. SECTION A - OBJECTIVE TYPE QUESTIONS (20 MARKS):

- i. This section has 04 questions.
- ii. Marks allotted are mentioned against each question/part.
- iii. There is no negative marking.
- iv. Do as per the instructions given.

7. SECTION B – SUBJECTIVE TYPE QUESTIONS (20 MARKS):

- i. This section has 12 questions.
- ii. A candidate has to do 07 questions.
- iii. Do as per the instructions given.
- iv. Marks allotted are mentioned against each question/part.

SECTION A - OBJECTIVE TYPE QUESTIONS**1. Answer any 4 out of the given 6 questions on Employability Skills: (1 X 4 = 4 marks)**

- i. Which of the following methods is used to receive information from the speaker of a mobile phone?
 a) Listening b) Speaking c) Reading d) Writing 1
- ii. Name the types of communication. (Any Two) 1
- iii. Which of these sentences is in Passive Voice? 1
 - a) They are watching a movie. b) The goal was scored by Ujjwal.
 - c) He is dancing in the room. d) My pen hit the ceiling fan.
- iv. T in SMART goals stands for - 1
 - a) Treasure b) Total c) Time Bound d) Timeless
- v. The best type of communication is _____ communication. 1
 - a) Passive b) Aggressive c) Assertive d) Passive Aggressive
- vi. List any two characteristics of a TEAM. 1

2. Answer any 4 out of the given 6 questions (1 x 4 = 4 marks)

- i. When RBI gave “in-principle” licences to eleven entities to launch payments banks: 1
 - a) 19 August, 2015
 - b) 19 November, 2014
 - c) 16 September, 2015

d) 16 July, 2015

ii. RBI was established in _____

1

a) 1947

b) 1949

c) 1935

d) 1969

iii. Which document is not considered in 'KYC' norms?

1

a) Driving License

b) PAN Card

c) Pension Payment Order

d) Bill of Exchange

iv. If Bank rate is reduced by RBI, credit creation will be:

1

a) Reduced

b) Constant

c) Increased

d) Contingent

v. Banker-Customer relationship starts when

1

a) A customer opens an account

b) A customer becomes a relative of a banker

c) The banker and banker become friends

d) Bank provides policies and services

vi. Choose the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:

Assertion (A): A bank's primary role in the financial system is to facilitate transactions between customers and to provide credit.

Reason (R): Banks act as intermediaries, channelizing funds from savers (depositors) to borrowers.

a) Both A & R are true and R is the correct explanation of A.

b) Both A & R are true but R is not the correct explanation of A.

c) A is true but R is false.

d) A is false but R is true.

3. Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)

i. In banking, CID number stands for _____.

1

a) Consumer Identity

b) Customer identification number

c) Civil Identification

d) Caretaker Identification

ii. The "in-principle" license is valid for _____ within which the entities must fulfil the requirements.

a) 16 months

b) 17 months

1

c) 18 months

d) 19 months

iii. Monetary policy is prepared and declared by _____.

1

a) Govt. of India

b) RBI

c) State government

d) SBI

- iv.** Which of the following measures is not adopted by RBI for controlling credit in India? 1
- Cash Deposit Ratio
 - Capital Adequacy Ratio
 - Cash Reserve Ratio
 - Statutory liquidity ratio
- v.** Full form of LAF is _____. 1
- vi.** A bank is a financial intermediary because _____. 1
- it acts as the broker between depositor and borrower
 - it acts as the link between the savers and the borrowers
 - it is in the finance industry
 - it is in the intermediary industry
- vii.** As per section 11 of the Contract Act a minor is not competent to contract but section 26 of the Negotiable Instrument Act allows a minor to draw, endorse, deliver and negotiate a negotiable instrument. Whether this statement is: 1
- True
 - False

4. Answer any 6 out of the given 8 questions (1 x 6 = 6 marks)

- i.** Bank of banks in India is _____. 1
- State Bank of India
 - Reserve Bank of India
 - Central Bank of India
 - Bank of India
- ii.** Choose the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:
 Assertion (A): A bank's primary role in the financial system is to facilitate transactions between customers and to provide credit.
 Reason (R): Banks act as intermediaries, channelizing funds from savers (depositors) to borrowers.
- Both A & R are true and R is the correct explanation of A.
 - Both A & R are true but R is not the correct explanation of A.
 - A is true but R is false.
 - A is false but R is true.
- iii.** Repo rate is the rate at which _____. 1
- Commercial Bank purchases government securities from the Central Bank.
 - Commercial Bank can take long term loans from Central Bank.
 - Commercial Bank can keep their deposits with Central Bank.
 - Short term loans are given by Commercial Bank.
- iv.** _____ keeps an eye on the overall payment system. 1
- v.** Retail Banking is also known by another popular name _____. 1
- Buyers Banking
 - Sellers Banking
 - Consumer Banking
 - Individuals Banking
- vi.** Which one of the following is not a Special Types of Customers? 1
- Minor
 - Married Woman

- c) Lunatic
- d) Potential customer

vii. Choose the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:1

Assertion (A): Wholesale Banking services are offered to government agencies, pension funds, and other institutional customers and to corporations with strong balance sheets and sound income statements.

Reason (R): The cost of funds raised from the retail products is low and at the same time, the interest rates charged on loans in the retail segment are higher.

- (a) Both assertion and reason are true, and reason is the correct explanation of the assertion.
- (b) Both assertion and reason are true, but reason is not the correct explanation of the assertion.
- (c) Assertion is true, but reason is false.
- (d) Assertion is false, but reason is true.

viii. Section 5 of the Indian Partnership Act 1932, defines partnership as a relationship subsisting between persons who have agreed to share the profits of a business carried on by all or any of them acting for all. Whether this statement is: 1

- a) True
- b) False

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of given 5 questions on Employability Skills (2 X 3 = 6 marks)

Answer each question in 20-30 words.

- 5. List the advantages of Written Communication? (Any Two) 2
- 6. Name the 3 P's in Public Speaking. 2
- 7. Mention any two strategies for effective Time Management. 2
- 8. Define grooming with the help of an example. 2
- 9. Define strengths and weaknesses. 2

Answer any 2 out of the given 3 questions in 30– 50 words each (3 x 2 = 6 marks)

- 10. What are the following formalities to be observed while opening the account in the name of Executor/administration? 3
- 11. Explain various types of loans offered to Retail Customers. 3
- 12. Discuss the basic Functions of a Banker. 3

Answer any 2 out of the given 4 questions in 50– 80 words each (4 x 2 = 8 marks)

- 13. In India, the RBI supervises operations of all the banks.
Justify this statement with the functions performed by RBI. 4
- 14. "Trust" plays an important role in building healthy relationship between a Banker and Customer. Explain any four special relationship among banker and customer. 4
- 15. Differentiate between the Retail Banking and wholesale Banking. 4
- 16. Write the full form of the following terms: (any four) 4

- a) NABARD- b) SLR- c) DICGC- d) FERA- e) NBFC-

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I: (2025-2026)
BIOLOGY
CLASS: XI

Time: 1.5 Hours

Maximum Marks: 40

NAME: _____ SEC.: _____ ROLL NO.: _____

General Instruction:

- (i) All questions are compulsory.
- (ii) The question paper has five sections and 20 questions.
- (iii) Section–A has 10 questions of 1 mark each; Section–B has 3 questions of 2 marks each; Section– C has 5 questions of 3 marks each; Section– D has 1 case-based question of 4 marks; and Section–E has 1 question of 5 marks.
- (iv) There is no overall choice. However, internal choices have been provided in some questions. A student has to attempt only one of the alternatives in such questions.
- (v) Wherever necessary, neat and properly labelled diagrams should be drawn.

SECTION - A

1. Cell division(growth) occurs _____ in plants and _____ in animals. 1
 A) continuously, only up to a certain age B) only up to a certain age, continuously
 C) continuously, never D) once, twice
 2. Binomial nomenclature means 1
 A) one name given by two scientists.
 B) one scientific name consisting of a generic and specific epithet.
 C) two names, one latinized, other of a person. D) two names of same plant.
 3. Which of the following is included in five kingdom classification. 1
 A) Monera, Protista, Animalia, Plantae, Algae B) Monera, Protista, Fungi, Animalia, Plantae
 C) Virus, prokaryotes, Fungi, Plantae, Animalia
 D) Algae, Fungi, Bryophyta, Pteridophyta, Gymnosperms
 4. Which of the following algae represents colonial and filamentous forms, respectively? 1
 A) *Volvox*, *Spirogyra* B) *Ulothrix*, *Volvox* C) *Spirogyra*, *Volvox* D) *Spirogyra*, *Ulothrix*
 5. Fungi multiply and spread easily due to _____ they produce. 1
 A) spores B) buds C) mycelium D) fragments
 6. Toxins (saxitoxins) related to shell fish poisoning are produced by following which 1
 phylum/division of organism?
 A) Chrysophytes B) Dinoflagellates C) Lophotrichous D) Asteraceae
 7. Select the correct match from the given option. 1
 A) Occurrence of dikaryotic stage – ascomycetes and basidiomycetes.
 B) Saprophytes – They are autotrophic and absorb soluble organic matter from dead substrates.
 C) Vegetative mean of reproduction in fungi – fragmentation, budding and sporangiophores.
 D) Steps involved in asexual cycle of fungi – plasmogamy, karyogamy and meiosis in zygote resulting in haploid spores.
 8. Lichens indicate SO₂ pollution because they 1
 A) show association between algae and fungi. B) grow faster than others.
 C) are sensitive to SO₂. D) flourish in SO₂ rich environment.
- In following questions (Q. No 9,10) a statement of **ASSERTION** followed by a statement of **REASON** is given. Choose the correct answer out of the following choices.
- a) **Assertion** and **reason** both are correct statements and reason is correct explanation for assertion.
 - b) **Assertion** and **reason** both are correct statements but reason is not correct explanation for assertion.
 - c) **Assertion** is correct statement but reason is wrong statement.
 - d) **Assertion** is wrong statement but reason is correct statement.
9. **Assertion:** Members of Phaeophyceae vary in colour from olive green to variable shades of brown. 1
Reason: Phaeophyceae possess chlorophyll a, c, carotenoids and xanthophylls.
 10. **Assertion:** Arthropods are able to survive in adverse conditions. 1
Reason: Arthropods have developed sense organs, compound eyes and taste receptors.

SECTION - B

11. Outline the structure of Lichen briefly. 2

12.

- Identify A,B,C,D,E,F,G and H.

2

Common Name	Biological Name	Genus	Family	Order	Class	Phylum/ Division
Man	<i>Homo sapiens</i>	<i>Homo</i>	A	B	Mammalia	Chordata
Housefly	C	D	E	Diptera	Insecta	Arthropoda
Mango	<i>Mangifera indica</i>	<i>Mangifera</i>	F	G	H	Angiospermae

13.

Attempt either option A or B.

2

- A. Compare by stating contrasting characteristics of 'five kingdom and six kingdom classification'. Who proposed six kingdoms of classification?

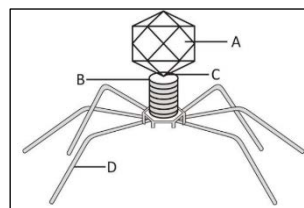
OR

- B. Analyse the importance of biological classification.

SECTION - C

14.

Identify and describe the structure of following entity.

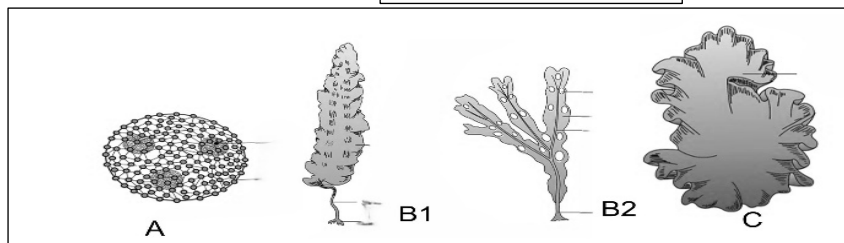


3

15.

Compare among the taxa where the following organisms (A,B1or B2,C) belongs to.

3



16.

Attempt either option A or B.

3

- A. 'Cephalization is a very important feature for animals' Justify the statement.

OR

- B. Members of this phylum is also known as segmented worms. Name the excretory unit of this organisms. Elaborate the body symmetry and mode of respiration also.

17.

Differentiate kingdom Monera and Fungi on six differentiating points.

3

18.

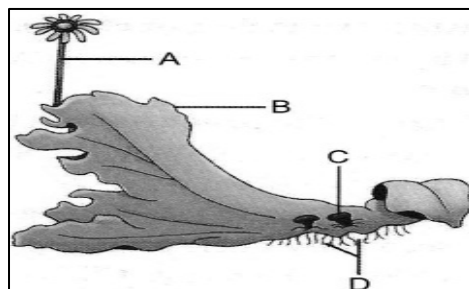
Explain the different types of symmetry found in kingdom animalia. What do you mean about the term 'hermaphrodite'?

3

SECTION - D

19.

Study the below diagram and answer the following questions:



4

- (i) Identify the plant given above and name the division, it belongs to.

Attempt either option (ii) or (iii).

- (ii) Label the parts A, B, C and D marked on it.

OR

- (iii) How do the aforementioned plant's gametophytes reproduce sexually?

- (iv) Why above organism plays a significant role in ecology?

SECTION - E

20.

Attempt either option A or B.

5

- A. Describe the major groups of Protista and also mention their characteristic features with one example of each group.

OR

- B. Explain the primary characteristics of gymnosperms and their strategies of reproduction.

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I (2025-26)
BUSINESS ADMINISTRATION
CLASS: XI

Time: 1 ½ Hours

Maximum Marks: 40

NAME: _____ SEC.: _____ ROLL NO.: _____

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **16 questions** in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **Out of the given (4 + 12 =) 16 questions, a candidate has to answer (4 + 7 =) 11 questions in the allotted (maximum) time of 1 ½ hours.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (20 MARKS):**
 - i. This section has 04 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (20 MARKS):**
 - i. This section has 12 questions.
 - ii. A candidate has to do 07 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS**1. Answer any 4 out of the given 6 questions on Employability Skills: (1 X 4 = 4 marks)**

- i. Which of the following methods is used to receive information from the sender through a phone call?
 a) Listening b) Speaking c) Reading d) Writing 1
- ii. When is communication said to be effective? 1
- iii. Which of these sentences is in Passive Voice? 1
 - a) They are watching a movie. b) The machine was repaired by Amit.
 - c) He is dancing in the room. d) My pen hit the ceiling fan.
- iv. M in SMART goals stands for - 1
 - a) Measurable b) Magical c) Monumental d) Mileage
- v. Define Self-Motivation. 1
- vi. What is the full form of TEAM. 1

2. Answer any 4 out of the given 6 questions. (1 X 4 = 4 marks)

- i. The risk of element is highest in _____. 1
 - a) Business b) Services c) Economic activities d) Non-Economic activities
- ii. _____ is that branch of commerce which is concerned with the sale, transfer or exchange of goods and services. 1
 - a) Internal trade b) Transportation c) External trade d) Trade

- iii. The positive factors of business are called as _____. 1
 a) Strength b) Threat c) Weaknesses d) Opportunities
- iv. _____ refers to integration of our economy with the world economy. 1
 a) Liberalisation b) Privatisation c) Globalisation d) LPG
- v. Mention the name of that auxiliaries to trade which removes hindrance of knowledge. 1
 a) Banking b) Advertisement c) Transport d) Insurance
- vi. Economic activity which can be carried on without any minimum qualification is known as _____. 1
 a) Profession b) Services c) Business d) Social services

3. Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)

- i. A person sells his old air conditioner and buys a new one is not a business activity. But if he continuously deals in sale and purchase of air conditioner, it will be considered as business activity. Which characteristics of business is highlighted here? 1
 a) Economic activity b) Regular Dealings c) Sale or Exchange of Goods & Services
 d) Production or Purchase of Goods and Services
- ii. The owner is rewarded for conducting business and bearing the risk. What is the form of reward the owner receives? 1
 a) Bonus b) Remuneration c) Commission d) Profit
- iii. Planting saplings and plants is related to what type of industry? 1
 a) Manufacturing industries b) Constructive industries
 b) Genetic industries d) Extractive industries
- iv. Which characteristics of the business environment is highlighted when changes are taking place too frequently and it becomes difficult to predict the future? 1
 a) Uncertainty b) Inter-relatedness c) Complexity d) Relativity
- v. Top management should identify who will be involved in the planning process, provide opportunity for proper participation, gives responsibility for developing and implementing the plans. Mention the activity involved in management of Business Operations. 1
- vi. The form of Business which is carried for providing service to its members is called: 1
 a) Sole proprietorship b) Joint Hindu family c) Partnership d) Cooperative society
- vii. Which of the following is not a part of social environment of Business? 1
 a) Life expectancy b) Education system and literacy rates
 c) Consumption habits d) Money supply in the economy

4 Answer any 6 out of the given 8 questions (1 x 6 = 6 marks)

- i. Business Environment means the sum total of all individuals or organizations and other forces that are controllable or outside the control of business enterprise but may affect its performances. Name the force which is having a direct effect on day to day working of the business. 1
- ii. Who become 'Karta' in Joint Hindu family business? 1
 a) Most educated member of family b) Senior most male member
 c) By voting of members d) Any member can become
- iii. Which of the following is an element of internal environment? 1
 a) Legal Environment b) Economic environment c) Work Environment d) Social Environment

iv. Assertion (A): Business represents the exchange of Goods and Services. 1

Reason (R): Risk and Uncertainties are always there in any form of business.

Choose the correct alternative as stated below:-

- a) Both (A) and (R) are true, (R) is the correct explanation of (A)
- b) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
- c) (A) is correct, but (R) is incorrect
- d) (A) is incorrect, but (R) is correct

v. 'One person one vote' principle is related to which Business organisation? 1

- a) Sole Proprietorship
- b) Company
- c) Partnership
- d) Cooperative Society

vi. Alphabet 'O' in SWOT refers as 1

- a) Operations
- b) Opportunities
- c) Order
- d) Owner

vii. Which of the following is a false statement? 1

- a) The scope of commerce is narrower than business.
- b) Commerce encompasses trade and auxiliaries to trade.
- c) Domestic trade is the buying and selling by traders of the same country.
- d) Traders serve as a bridge between producers and consumers.

viii. Name two broad categories of business activities. 1

- a) Trade and Commerce
- b) Industry and commerce
- b) c) Trade and industry
- d) Trade and transport

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Subject Specific Skills. Answer each question in 20 – 30 words. (2 x 3 = 6 marks)

- 5. What is the purpose of Communication? (Any Two) 2
- 6. List the 3 P's in Public Speaking. 2
- 7. Name the two types of motivation with an example for each. 2
- 8. Define grooming with the help of an example. 2
- 9. "Time Management reduces stress". Explain. 2

Answer any 2 out of the given 3 questions in 30– 50 words each. (3 x 2 = 6 marks)

- 10. Briefly explain the following: 3
 - (a) Liberalisation
 - b) Privatisation
 - c) Globalisation
- 11. Explain the different types of business organisation on the basis of ownership. 3
- 12. Explain with example any three impact of economic environment on business. 3

Answer any 2 out of the given 4 questions in 50– 80 words each (4 x 2 = 8 marks)

- 13. How would you characterise business environment? Explain with examples, the difference between general and specific environment. 4
- 14. Profit is the main objective of every economic activity. According To Peter F Drucker "A business must achieve sufficient profits to cover the risk of economic activity & thus to avoid loss". Justify the role of profit in the business. 4
- 15. Every business organization regardless of the company, nature of the business, size or type or location have to perform a few strategic operations so that the business process or workflow of the organization is smooth and it flows uninterrupted. Each strategic activity is highly interrelated and

must be consistent with the other. Explain any four major activities involved in management of business operations?

4

16. The court passed an order that all schools must have water purifiers for the school children as:

- a) Society in general is more concerned about quality of life.
- b) Innovative techniques are being developed to manufacture water purifiers at competitive rates.
- c) Incomes are rising and children at home are also drinking purified water.
- d) The government is also showing positive attitude towards the water purifier business.

Identify the different dimensions of business environment by quoting from the above details and explain it.

4

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I: (2025-2026)
CHEMISTRY
CLASS: XI

Time: $1\frac{1}{2}$ Hours

Maximum Marks: 40

NAME: _____ SEC.: _____ ROLL NO.: _____

General Instructions:

Read the following instructions very carefully and strictly follow them:

- There are **18** questions in this question paper with internal choice.
- SECTION A** consists of 8 multiple-choice questions carrying **1** mark each.
- SECTION B** consists of 3 very short answer questions carrying **2** marks each.
- SECTION C** consists of 4 short answer questions carrying **3** marks each.
- SECTION D** consists of 1 case-based question carrying **4** marks.
- SECTION E** consists of 2 long answer questions carrying **5** marks each.
- All questions are compulsory.**
- Use of log tables and calculators is not allowed.**

Section A*Questions no. 1 to 8 are Multiple Choice type Questions, carrying 1 mark each.*

- The significant figures in 0.004030 are _____. [1]
 a) 2 b) 3 c) 4 d) 7
- The number of atoms in 16.0 u of He is: [1]
 a) 2 atoms b) 4 atoms c) 6 atoms d) 8 atoms
- The spectral line in hydrogen spectrum obtained when the electron jumps from $n=5$ to $n=2$ energy level belongs to: [1]
 a) Lyman series b) Balmer series c) Paschen series d) Pfund series
- An orbital with quantum numbers $n=4$, $l=3$, $m_l=0$ and $m_s=-\frac{1}{2}$ is [1]
 a) 3s b) 3p c) 4d d) 4f
- The first ionisation potential of Na is 5.1 eV. The value of electron gain enthalpy of Na^+ will be [1]
 a) 5.1 eV b) -5.1 eV c) 10.2 eV d) -10.2 eV
- The electronic configuration of an element with maximum negative electron gain enthalpy is [1]
 a) $1s^2 2s^2 2p^3$ b) $1s^2 2s^2 2p^5$ c) $1s^2 2s^2 2p^6 3s^2 3p^5$ d) $1s^2 2s^2 2p^6 3s^1$

For questions No. 7 and 8, two statements are given – one labelled as

Assertion(A) and the other labelled as **Reason(R)**. Select the correct answers to these questions from the code (A), (B), (C) and (D) as given below.

(A) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).

(B) Both Assertion (A) and Reason (R) are true, but Reason (R) is **not** the correct explanation of the Assertion (A).

(C) Assertion (A) is true, but Reason (R) is false.

(D) Assertion (A) is false, but Reason (R) is true.

- Assertion (A):** The empirical mass of ethene is half of its molecular mass. [1]
Reason (R): The empirical formula represents the simplest whole number ratio of various atoms present in a compound.
- Assertion (A):** Black body is an ideal body that emits and absorbs radiations of all frequencies. [1]
Reason (R): The frequency of radiation emitted by a body goes from a lower frequency to higher frequency with an increase in temperature.

Section B

- Express the following in the scientific notation: [2]
 i) 0.00045 ii) 88008 iii) 300.0 iv) 50.036
- Write the electronic configuration of Cr ($Z=24$) & Co^{3+} ($Z=27$). [2]
OR
 Write the electronic configuration of Cu ($Z=29$) & Fe^{3+} ($Z=26$).
- Write IUPAC nomenclature and symbol of elements with atomic number 105 & 113. [2]

Section C

12. Answer the following questions: [3]
- i) How many unpaired electrons are present in the ground state of P ($Z=15$)?
 - ii) Write down all four quantum numbers for outermost electron of Na atom ($Z=11$).
 - iii) How many electrons in zinc ($Z=30$) have $n+l$ value equal to 4?
13. An organic compound on analysis gave the following percentage composition: [3]
C=40.68%, H=5.08% and rest are oxygen. The vapour density of the compound was found to be 59. Find out the molecular formula of the compound.

OR

- An oxide of nitrogen contains 30.43% of nitrogen. The molecular weight of the compound is 92 a.m.u. Calculate the empirical and molecular formula of the compound.
14. 10g of marble (calcium carbonate) was added to 15g of dilute hydrochloric acid, [3]
products formed are calcium chloride, water and carbon dioxide.
- i) Identify the limiting reagent.
 - ii) Calculate the amount of calcium chloride formed.
 - iii) Calculate the amount of one of the reactants which remains unreacted.
15. When light of wavelength 470 nm falls on the surface of potassium metal, electrons [3]
are emitted with velocity of $6.4 \times 10^4 \text{ ms}^{-1}$. What is the minimum energy required per mole to remove an electron from potassium metal?

Section D

16. The periodic table is a tabular arrangement of elements based on their atomic [4]
number, electronic configuration, and recurring chemical properties. Dmitri Mendeleev arranged elements based on increasing atomic masses, while the modern periodic table is based on increasing atomic numbers as proposed by Henry Moseley. Modern periodic law states: "The physical and chemical properties of elements are a periodic function of their atomic numbers."
Scientists observed trends in properties such as atomic size, ionization enthalpy, electronegativity, and metallic character across periods and down groups. For instance, atomic size decreases across a period and increases down a group. Consider the elements of the third period of the modern periodic table:
Na, Mg, Al, Si, P, S, Cl, Ar

Answer the following questions:

- i) Who proposed the modern periodic law?
- ii) Why does atomic radius decrease across a period from Na to Cl?
- iii) a) Identify the element among the third-period elements with the highest electronegativity.
b) Explain the trend of ionization enthalpy across the third period.

OR

- iii) Explain why chlorine is more reactive than argon, even though both are in the same period of the modern periodic table.

Section E

17. i) Calculate the amount of sodium carbonate (in g) required to prepare 250 ml 0.05M [5]
sodium carbonate solution.
- ii) If 10 ml 0.01M sodium carbonate is neutralised by 20 ml hydrochloric acid, what is the strength (in g/L) of hydrochloric acid?
- OR**
- i) Calculate the amount of oxalic acid dihydrate (in g) required to prepare 250 ml [5]
0.1M oxalic acid dihydrate solution.
- ii) If 10 ml 0.1M oxalic acid dihydrate is neutralised by 20 ml sodium hydroxide solution, what is the strength (in g/L) of sodium hydroxide?
18. i) State two postulates of Bohr's atomic model. [5]
- ii) What are the frequency and wavelength of a photon emitted during a transition from $n = 4$ to $n = 2$ state in the hydrogen atom?
($R_H = 109678 \text{ cm}^{-1}$)

OR

- i) Derive the de-Broglie relationship between wavelength and momentum of matter.
- ii) Calculate the wavelength of an electron moving with a velocity of $2.05 \times 10^7 \text{ ms}^{-1}$.
[Mass of electron = $9.11 \times 10^{-31} \text{ Kg}$, $h = 6.626 \times 10^{-34} \text{ Js}$]

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I: (2025 – 2026)
COMPUTER SCIENCE
CLASS: XI

Time: 1 ½ Hours

Maximum Marks: 40

NAME: _____ SEC.: _____ ROLL NO.: _____

General Instructions:

- This question paper contains 23 questions.
- All questions are compulsory. However, internal choices have been provided in some questions. Attempt only one of the choices in such questions
- The paper is divided into 5 Sections- A, B, C, D and E.
- Section A, consists of 15 questions (1 to 15). Each question carries 1 Mark
- Section B, consists of 3 questions (16 to 18). Each question carries 2 Marks.
- Section C, consists of 2 questions (19 and 20). Each question carries 3 Marks.
- Section D, consists of 2 questions (21 and 22). Each question carries 4 Marks.
- Section E, consists of 1 question (23). The question carries 5 Marks.
- All programming questions are to be answered using Python Language only.
- In case of MCQ, text of the correct answer should also be written.

SECTION – A: (1 x 15 = 15 marks)

- 1024 EB is equal to _____ 1
a) 1 TB b) 1 PB c) 1 YB d) 1 ZB
- A software can be classified into _____ categories. 1
a) 1 b) 2 c) 3 d) 4
- Which out of these **does not** fall under the category of utility program? 1
a) Language processor b) Text editor c) Backup d) Antivirus
- In which ROM the contents are programmed by the IC manufacturer? 1
a) EPROM b) EEPROM c) Mask ROM d) Flash ROM
- The binary equivalent of decimal number 13 is _____ 1
a) 1011 b) 1101 c) 1100 d) 1110
- State True or False: 1
UTF-8 is a fixed length encoding scheme.
- The hexadecimal number system is composed of _____ symbols. 1
a) 9 b) 10 c) 15 d) 16
- The interactive mode in IDLE python is also called as _____ 1
a) Quick mode b) Shell mode c) Immediate mode d) Action mode
- The file extension of a python file is _____ 1
a) .python b) .py c) .pyt d) .ply
- State True or False: 1
String values in Python can be single line strings and multiline strings.
- Which out of these is **not** an assignment operator? 1
a) = b) += c) //= d) !=
- Which of the following is an escape sequence for a newline character? 1
a) \n b) \a c) \t d) \b
- Which out of these is **not** a python keyword? 1
a) True b) break c) Int d) continue

ASSERTION AND REASON:

In the following questions, a statement of **Assertion (A)** is followed by a statement of **Reason (R)**. Mark the correct choice as

- Both A and R are true and R is the correct explanation of A
 - Both A and R are true and R is not the correct explanation of A
 - A is True but R is False
 - A is false but R is True
- ASSERTION (A):** Mutability means that the values can be changed in place. 1
REASON(R): Immutable types mean that their values cannot be changed in place.
 - ASSERTION (A):** Type conversion can be implicit or explicit. 1
REASON(R): Only Python interpreter can force the type conversion and not the programmer.

16.	What is Memory Access Time?	2
17.	Convert the following $(10101110.010111)_2$ into hexadecimal equivalent number.	2
18.	What will be the output of the following code? x,y='5',2 z=x+y print(z)	2

19. Convert $(75632.5741)_8$ to hexadecimal and binary number. 3

OR

Convert $(D6AF7B.9AD)_{16}$ to binary and octal equivalent.

20. Find the output of the following when num1 = 4, num2 = 3 and num3 = 2

a) num1 = '5'+ '5'
print(num1)

b) num1 = float(10)
print('num1') 3

c) num1 = 2+9*((3*12) – 8)/10
print(num1)

21.	Write two point of difference between mutable and immutable data type. What is type casting? Give an example to elaborate the concept.	2+1 +1
OR		
	Define the following: a) Operating system b) Language processor c) Application software d) Cache Memory	
22.	Write a program to take two numbers as input and swap the two numbers using a third variable, and print the swapped result.	4

23. WAP to calculate the BMI of a person. (BMI = Kg/m^2). The weight and height is to be taken as input by the user. 5

OR

What is Debugging? Name and explain the types of errors with examples.

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I: (2025 – 2026)
ENGLISH CORE
CLASS: XI

TIME: 1½ Hours

Maximum Marks: 40

NAME: _____ SEC.: ____ ROLL NO.: _____

General Instructions:

Read the following instructions very carefully and strictly follow them:

i. This question paper has 9 questions. All questions are compulsory.

ii This question paper contains three sections:

Section A: Reading Skills

Section B: Grammar and Writing Skills

Section C: Literature.

iii. Attempt all questions based on specific instructions for each part. Write the correct question number and part thereof in your answer sheet.

iv Separate instructions are given with each question/part, wherever necessary.

v. Adhere to the prescribed word limit while answering the questions.

Section A: READING SKILLS (11 marks)**1. Read the following text.****11m**

- (1) Many of us believe that "small" means "insignificant". We believe that small actions and choices do not have much impact on our lives. We think that it is only the big things, the big actions and the big decisions that really count. But when you look at the lives of all great people, you will see that they built their character through small decisions, small choices and small actions that they performed every day. They transformed their lives through a step-by-step or day-by-day approach. They nurtured and nourished their good habits and chipped away at their bad habits, one step at a time. It was their small day-to-day decisions that added up to make tremendous difference in the long run. Indeed, in matters of personal growth and character building, there is no such thing as an overnight success.
- (2) Growth always occurs through a sequential series of stages. There is an organic process to growth. When we look at children growing up, we can see this process at work: the child first learns to crawl, then to stand and walk, and finally to run. The same is true in the natural world. The soil must first be tilled, and then the seed must be sowed. Next, it must be nurtured with enough water and sunlight, and only then it will grow, bear fruit and finally ripen and be ready to eat.
- (3) Gandhi understood this organic process and used this universal law of nature to his benefit. Gandhi grew in small ways, in his day-to-day affairs. He did not wake up one day and find himself to be the "Mahatma". In fact, there was nothing much in his early life that showed the signs of greatness. But from his mid-twenties onwards, he deliberately and consistently attempted to change himself, reform himself and grow in some small way every day. Day by day, hour by hour, he risked failure, experimented and learnt from mistakes. In small and large situations alike, he took up rather than avoid responsibility.
- (4) People have always marvelled at the effortless way in which Gandhi could accomplish the most difficult tasks. He displayed great deal of self-mastery and discipline that was amazing. These things did not come easily to him. Years of practice and disciplined training went into making his successes possible. Very few saw his struggles, fears, doubts and anxieties, or his inner efforts to overcome them. They saw the victory, but not the struggle.
- (5) This is a common factor in the lives of all great people: they exercised their freedoms and choices in small ways that made great impact on their lives and their environment. Each of their small decisions and actions, added up to have a profound impact in the long run. By understanding this principle, we can move forward, with confidence, in the direction of our dreams. Often when our "ideal goal" looks too far from us, we become easily discouraged,

Answer the following questions, based on the passage above.

- Section B: GRAMMAR AND WRITING SKILLS (13 marks)

2. Choose the option that completes the sentence given below correctly. 2m

3. Transform the sentences as per the instructions given in the brackets. 1x3=3
(ANY THREE)

- ## WRITING SKILLS

- OR**

- B. Design a poster to launch 'Tree Plantation Campaign' in the area surrounding your school.
5. Attempt **ANY ONE** of two, in about 120-150 words. **5**
- A. Youngsters can perform a significant role in curbing corruption. Write a speech to be given in the morning assembly on the same topic.
You may include points like:
- Education the need of the hour
 - Saying no to donations
 - Saying no to private tuitions
 - Promoting merit-based selection
 - Equipping oneself with high education
- OR**
- B. Career conscious students focus primarily on academics and neglect participation in games and sports, not realizing how important physical activities are. You are Vineet/ Vinita. Prepare a speech to be delivered in the morning assembly of your school on the topic, 'Balancing Academics and Sports'.

SECTION C: LITERATURE TEXTBOOK AND SUPPLEMENTARY READING TEXT (16 marks)

6. Read the given extracts and answer the questions for **ANY ONE** of the two, given. **4**
- A. "Now she has been dead as many years as that girl lived
And of this circumstance
There is nothing to say at all
Its silence silences"
- (A Photograph)
- i. Assertion (A): The poem contrasts the permanence of the sea with the transience of human life. **1**
Reason (R): Nature changes constantly, while human memories remain unchanged.
A. Both A and R are true, and R is the correct explanation of A
B. Both A and R are true, but R is not the correct explanation of A
C. A is true, but R is false
D. A is false, but R is true
- ii. Identify the true statements from the options below: **1**
1. The photograph shows the poet's mother as a young girl.
 2. The poem ends with the poet's acceptance of loss and silence.
 3. The sea has changed drastically in the photograph.
 4. The poet describes her emotions in a light-hearted manner.
- Options:
A. 1, 2 only
B. 2, 3 only
C. 1, 2, 4 only
D. All of the above
- iii. Identify the poetic device used in the line: "The sea, which appears to have changed less" **1**
A. Alliteration B. Metaphor C. Personification D. Simile
- iv. What does the sea symbolize in the poem? **1**
- OR**
- B. Till the goldfinch comes, with a twitching chirrup
A suddenness, a startlement, at a branch end.
Then sleek as a lizard, and alert, and abrupt,
She enters the thickness, and a machine starts up
Of chitterings, and a tremor of wings, and trillings —
- (The Laburnum Top)

- i. Assertion (A): The goldfinch brings life and energy to the laburnum tree. Reason (R): The bird symbolizes vitality and the cyclical connection between life and nature. 1
 A. Both A and R are true, and R is the correct explanation of A
 B. Both A and R are true, but R is not the correct explanation of A
 C. A is true, but R is false
 D. A is false, but R is true
- ii. Identify the correct statements: 1
 1. The laburnum tree is lifeless until the goldfinch arrives.
 2. The bird is described as a machine.
 3. The poem shows a mutual relationship between the bird and the tree.
 4. The poem celebrates spring and blooming flowers.
 A. 2, 3, 4 only B. 1, 2, 3 only
 C. 1 and 3 only D. All of the above
- iii. What effect does the goldfinch have on the tree? 1
- iv. What poetic device is used in "with a twitching chirrup". 1
 A. Alliteration B. Metaphor C. Personification D. Onomatopoeia
- 7. Answer ANY ONE of the following two questions, in about 40-50 words. 3x1=3**
- i. Grandmother never complained about anything. Her patience was beyond any measure. Mention any two instances. 3
 (The Portrait of a Lady)
- ii. Explore the symbolic meaning of the laburnum subsiding to empty and its potential thematic implications. 3
 (The Laburnum Top)
- 8. Answer ANY ONE of the following two questions, in about 40-50 words. 3x1=3**
- i. How did Mourad tend the young robin with a hurt wing? What aspect of his character is revealed in this incident? 3
 (The Summer of the Beautiful White Horse)
- ii. Which tribe did Aram belong to? What was the image of the tribe? 3
 (The Summer of the Beautiful White Horse)
- 9. Answer ANY ONE of the following two questions, in about 120-150 words. 6x1=6**
- i. Draw a character sketch of Khushwant Singh's grandmother as portrayed by him in the lesson 'The Portrait of a Lady'. 6
- OR**
- ii. Compare and contrast uncle Khosrove and cousin Mourad. (The Summer of the Beautiful White Horse) 6

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I: (2025 – 2026)
INFORMATION TECHNOLOGY
CLASS: XI

Time: 1½ Hours

Maximum Marks: 40

NAME: _____ SEC.: _____ ROLL NO.: _____

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **18 questions** in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **Out of the given (5 + 13 =) 18 questions, a candidate has to answer (5 + 8 =) 13 questions in the allotted (maximum) time of 1½ hours.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (20 MARKS):**
 - i. This section has 05 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (20 MARKS):**
 - i. This section has 13 questions.
 - ii. A candidate has to do 08 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS**1. Answer any 4 out of the given 6 questions on Employability Skills: (1 X 4 = 4 marks)**

- i. Which of the following methods is used to receive information from the sender through a letter? 1
a) Listening b) Speaking c) Reading d) Writing
- ii. Define Feedback in Communication. 1
- iii. Which of these sentences is in Passive Voice? 1
a) They are watching a movie. b) The machine was repaired by Amit.
c) He is dancing in the room. d) My pen hit the ceiling fan.
- iv. R in SMART goals stands for - 1
a) Relational b) Rational c) Realistic d) Reversible
- v. Define Self Motivation. 1
- vi. Expand the term TEAM. 1

2. Answer any 4 out of the given 5 questions: (1 X 4 = 4 marks)

- i. Calc has a set of _____ called functions. 1
a) Data b) Predefined formulas c) Absolute reference d) Relative address
- ii. _____ is the main editing view for creating slides. 1
a) Slide sorter b) Normal view c) Slide master d) Slide view
- iii. The file extension of Open office writer file is _____ 1
a) .doc b) .docx c) .odt d) .ods
- iv. Spelling & Grammar option is present under which tab? 1
a) Format b) Insert c) File d) Tools
- v. What is the keyboard shortcut for style and formatting option in format tab? 1
a) F10 b) F11 c) F12 d) F2

3. Answer any 4 out of given 5 questions: (1 X 4 = 4 marks)

- i. The keyboard shortcut to insert table in writer is _____. 1
a) Ctrl+F12 b) Ctrl+F10 c) Ctrl+F11 d) Ctrl+F2
- ii. A slide may not contain: 1
a) Text b) Chart c) View d) Image
- iii. \$C15 is an example of which type of referencing? 1
a) Relative b) Absolute c) Mixed d) Free

- iv. The file extension of Open office calc file is _____ 1
 a) .doc b) .docx c) .odt d) .ods
- v. Task pane does **not** have options related to: 1
 a) Views b) Slide Layouts c) Slide Animation d) Slide Transition

4. Answer any 4 out of given 5 questions:**(1 X 4 = 4 marks)**

- i. sum(), average() are _____ in Open Office calc. 1
 a) Cells b) Functions c) Actions d) Tables
- ii. Name any two charts in open office calc. 1
- iii. The shortcut for Redo operation is _____. 1
 a) Ctrl+C b) Ctrl+E c) Ctrl+Y d) Ctrl+Z
- iv. What will be the cell address for the cell in 5th row and 16th column? 1
- v. Which of the following is a default vertical alignment in Open Office calc? 1
 a) Left b) Bottom c) Top d) Middle

5. Answer any 4 out of given 5 questions:**(1 X 4 = 4 marks)**

- i. The charts are the _____ representation of data. 1
 a) animated b) clip art c) pictorial d) text
- ii. Moving around in the spreadsheet is known as _____. 1
 a) movement b) traversal c) search d) navigation
- iii. Write the step to start recording a Macro in Calc. 1
- iv. _____ is the heading of the slide that shows the theme/purpose of the presentation. 1
 a) Text b) Subtitle c) Title d) Object
- v. Slide _____ view is used to arrange the slides in a presentation. 1
 a) Show b) Min c) Sorter d) Squeeze

SECTION B: SUBJECTIVE TYPE QUESTIONS**Answer any 3 out of given 5 questions on Employability Skills****(2 X 3 = 6 marks)****Answer each question in 20-30 words.**

6. Define an Open ended question with the help of an example. 2
7. List any 4 out of the 7C's of communication. 2
8. Define Personal Hygiene. 2
9. Define Strength and Weakness. 2
10. How does Time Management play a role in reducing stress? 2

Answer any 3 out of the given 5 questions in (20 – 30) words each**(2 X 3 = 6 marks)**

11. What is the difference between Save and Save as options in Writer? 2
12. Name the various categories of Change case feature. 2
13. Define Macro in Calc. 2
14. Differentiate transition and animation in Impress? 2
15. Write down the steps to insert a table in Open Office Writer. 2

Answer any 2 out of the given 3 questions in (50 – 80) words each.**(4 X 2 = 8 marks)**

16. Briefly describe the types of cell referencing used in Open Office calc. 4
17. Name the tabs in which the following commands are present: 4
 a) Header and Footer
 b) Find and Replace
 c) Status Bar
 d) Ruler
18. Name and describe any four components of a chart inserted in Open Office Calc. 4

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I : (2025-26)
PHYSICS
CLASS: XI

Time: 1 ½ Hours

Maximum Marks: 40

NAME: _____ SEC.: ____ ROLL NO.: ____

General Instructions:

- (i) There are **18 questions** in all. All questions are compulsory.
(ii) This question paper has five sections: Section A, Section B, Section C, Section D and Section E.
(iii) **Section A** contains eight MCQ of one mark each, **Section B** contains three questions of two marks each, **Section C** contains four questions of three marks each, **Section D** contains one case study-based question of four marks and **Section E** contains two long answer type questions of five marks each.
(iv) There is no overall choice. However, an **internal choice** has been provided in one question in Section B, one question in Section C, one subpart of case study-based question in Section D and both the questions in Section E. You have to attempt only one of the choices in such questions.
(v) Use of calculator is not allowed.

SECTION - A

1. Which of the following quantity has the dimensions of $[ML^2T^{-1}]$? 1
 (a) Angular momentum (b) Linear momentum
 (c) Surface Tension (d) Moment of Inertia
2. The number of significant figures in the measured value 0.21500 is – 1
 (a) Five (b) Three (c) Four (d) Two
3. The distances travelled by a body falling freely from rest in the first, second and third seconds are in the ratio – 1
 (a) 1:2:3 (b) 1:3:5 (c) 1:4:9 (d) 1:9:25
4. The ratio of average velocity and average speed of a body is – 1
 (a) always 1 (b) 1 or less (c) greater than 1 (d) undefined
5. A car is moving on a circular path and takes a turn. If R_1 and R_2 are the reactions on the inner and outer wheels respectively, then – 1
 (a) $R_1 \geq R_2$ (b) $R_1 = R_2$ (c) $R_1 < R_2$ (d) $R_1 > R_2$
6. The angle between the vectors $\mathbf{i} + \mathbf{j}$ and $\mathbf{i} - \mathbf{j}$ is – 1
 (a) π (b) $\pi/2$ (c) $\pi/3$ (d) $\pi/4$
7. **Assertion:** If two bodies of different masses are dropped simultaneously from the same height, then they touch the ground simultaneously. 1
Reason: The time of flight of a freely falling object is independent of its mass.
 a) Both A and R are true, and R is correct explanation of the assertion.
 b) Both A and R are true, but R is not the correct explanation of the assertion.
 c) A is true, but R is false.
 d) A is false and R is also false.
8. **Assertion:** The horizontal range of a projectile is the same for angles 30° and 60° of projection. 1
Reason: The horizontal range of projectile is independent of the angle of projection.
 a) Both A and R are true, and R is correct explanation of the assertion.
 b) Both A and R are true, but R is not the correct explanation of the assertion.
 c) A is true, but R is false.
 d) A is false and R is also false.

SECTION - B

9. Find out the dimensional formula of 'k' in the equation $T^2 = kr^3$, where T is the time period of a satellite and r is its distance from the planet. 2
10. A ball is dropped from a height of 90 m on a floor and after collision with the floor, it loses 50% of its energy. Find the speed with which it rises again. 2
11. A stone tied to the end of a string 80 cm long is whirled in a horizontal circle with a constant speed. If the stone makes 14 revolutions in 25 s, what is the magnitude and direction of acceleration of the stone? 2

OR

A particle starts from origin at $t = 0$ with a velocity $5\mathbf{i}$ m/s and moves in x-y plane under action of a force which produces a constant acceleration of $(3\mathbf{i} + 2\mathbf{j})$ m/s². What is the y-coordinate of the particle at the instant its x-coordinate is 84 m?

SECTION - C

12. Show that the quantity $P = EI^2 m^{-5} G^{-2}$ is a dimensionless quantity where E, I, m and G 3

are energy, angular momentum, mass and gravitational constant respectively.

OR

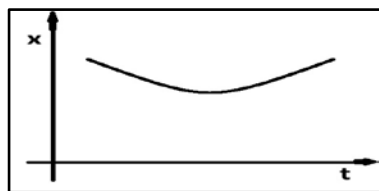
If momentum(p), area(A) and time(T) are taken to be fundamental quantities, then find the dimensional formula of energy(E).

13. (i) What will be the nature of velocity-time curve for a uniform motion? 3
 (ii) The position-time relation of a moving particle is $x = 2t - 6t^2$. (x in metre and t in second)

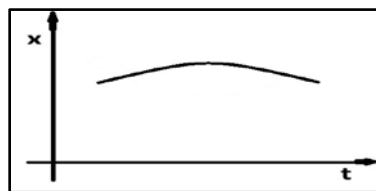
(a) What is the maximum positive velocity of the particle?

(b) At what time does the velocity of the particle become zero?

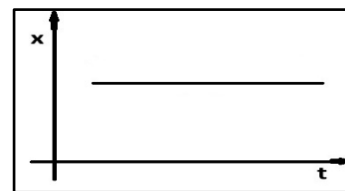
14. Write the nature of velocity in the following three displacement-time graph: 3



Graph-I



Graph-II



Graph-III

15. A car is moving at 80 kmh^{-1} towards north. Another car is moving at $80\sqrt{2} \text{ kmh}^{-1}$ towards north-west. Find the relative velocity of the second car with respect to the first. 3

SECTION - D

16. Read the text carefully and answer the questions: 4

The Earth attracts other bodies towards itself because of its gravity. A body released near the Earth's surface falls freely under the action of the force due to gravity.

Whenever a body is allowed to fall freely it undergoes an acceleration directed towards the Earth. This is referred to as the acceleration due to gravity and is denoted by g. Bodies that move vertically downwards undergo constant acceleration while bodies moving vertically upward undergo constant retardation. In this discussion we have neglected the small variation in g at different locations and air resistance faced by freely falling bodies.

- (i) The appropriate equation of motion for object thrown vertically upward is -
 (a) $v = u + gt$ (b) $H = ut - \frac{1}{2}gt^2$ (c) $v^2 = u^2 + 2gH$ (d) $H = ut + \frac{1}{2}gt^2$
 (ii) The displacement of an object falling under gravity depends on -
 (a) height (b) initial velocity (c) mass of it (d) Both A & B
 (iii) The value of 'g' is -
 (a) 98.1 ms^{-2} (b) 981 ms^{-2} (c) 981 cms^{-2} (d) 100 ms^{-2}
 (iv) The velocity of freely falling particle is -
 (a) minimum at the bottom (b) zero at the bottom
 (c) zero at the highest point (d) constant throughout the fall

OR

The maximum height attained by an object thrown vertically upward with 40 m/s is -
 (a) 160 m (b) 80 m (c) 40 m (d) 120 m

SECTION - E

17. Read each statement below carefully and state with reasons, if it is **true** or **false**: 5

- (a) $\mathbf{A} + \mathbf{B} = \mathbf{B} + \mathbf{A}$
 (b) $|\mathbf{A} + \mathbf{B}| \leq |\mathbf{A}| + |\mathbf{B}|$
 (c) A vector changes its direction when multiplied by a scalar.
 (d) The directional cosines α , β and γ are related as $\cos\alpha + \cos\beta + \cos\gamma = 1$.
 (e) Three non-coplanar vectors cannot give zero resultant.

OR

- (i) With the help of a diagram explain why is it easier to pull a cart than to push it.
 (ii) Maximum and minimum values of the resultant of two forces, acting at a point, are 15 N and 7 N respectively. If the value of each force is increased by 1 N and these two new forces act at 90° to each other, what would be the value of the resultant force?
 18. (i) Write two rules of rounding off digits. 5
 (ii) The length, breadth and thickness of a rectangular strip of metal are 3.335 m, 1.026 m and 3.05 cm respectively. Find the area and volume of the strip to correct significant figures (state the reason behind your answers).

OR

- (i) Write the dimensional formula of -
 (i) Pressure, (ii) Impulse, (iii) Thermal conductivity and (iv) Surface tension.
 (ii) Experiments show that the frequency (n) of transverse wave on a string depends upon the length (l) of the string, tension (T) in the string and mass per unit length (μ) of its material. From dimensional considerations, find a possible formula for the frequency.

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN
PERIODIC TEST I: (2025–2026)
MATHEMATICS
CLASS: XI

Time: 1½ Hours

Maximum Marks: 40

NAME: _____ SEC.: _____ ROLL NO.: _____

General Instructions:

This Question paper contains- five sections A, B, C, D and E. Each section is compulsory. However, there are internal choices in some questions.

Section A has 9 MCQ's and 01 Assertion-Reason based questions of 1 mark each.

Section B has 3 Very Short Answer (VSA)-type questions of 2 marks each.

Section C has 2 Short Answer (SA)-type questions of 3 marks each.

Section D has 2 Long Answer (LA)-type questions of 5 marks each.

Section E has 2 source based/case based/passage based/integrated units of assessment (4 marks each) with subparts.

Section–A**All questions are compulsory.**

1. If the sets A and B are defined as $A = \{(x, y) : y = e^x, x \in R\}$, $B = \{(x, y) : y = x, x \in R\}$. Then
 a. $B \subset A$ b. $A \subset B$ c. $A \cup B = A$ d. $A \cap B = \phi$ 1
2. If $A = \{1, 2, 3, 4, 5\}$, then the number of proper subset of A is 1
 a. 120 b. 30 c. 31 d. 32
3. If $n(A) = m$ and $n(B) = n$, then the total number of non –empty relations that can be defined from A to B is 1
 a. m^n b. $n^m - 1$ c. $mn - 1$ d. $2^{mn} - 1$
4. The conjugate of the complex number is $\frac{1}{i-1}$. Then the complex number is 1
 a. $\frac{-1}{i+1}$ b. $\frac{1}{i-1}$ c. $\frac{-1}{i-1}$ d. $\frac{1}{i+1}$
5. $(\sqrt{-2})(\sqrt{-3})$ is equal to 1
 a. $(\sqrt{-6})$ b. $(-\sqrt{6})$ c. $(i\sqrt{-6})$ d. $(-i\sqrt{-6})$
6. The amplitude of $\frac{1}{i}$ is equal to 1
 a. 0 b. $\frac{\pi}{2}$ c. $-\frac{\pi}{2}$ d. π
7. $\cos 40^\circ + \cos 80^\circ + \cos 160^\circ + \cos 240^\circ$ 1
 a. 0 b. 1 c. $\frac{1}{2}$ d. $-\frac{1}{2}$
8. If $\sin x + \cos x = 1$, then the value of $\sin 2x$ is 1
 a. 1 b. $\frac{1}{2}$ c. 0 d. -1
9. The value of $\sin^2 \frac{\pi}{6} + \cos^2 \frac{\pi}{3} - \tan^2 \frac{\pi}{4}$ is 1
 a. 1 b. $\frac{1}{2}$ c. 0 d. $-\frac{1}{2}$
10. **Assertion (A):** The solution set of the inequation $|x - 4| < 2$ is (2, 6). 1
Reason (R): The solution set of the inequation $\left| \frac{2}{x-4} \right| > 1$ is $(2, 4) \cup (4, 6)$.
 a) Both A and R are true and R is the correct explanation of A.
 b) Both A and R are true but R is not the correct explanation of A.
 c) A is true but R is false.
 d) A is false but R is true.

Section–B**All questions are compulsory. In case of internal choices attempt any one.**

11. Solve : $\frac{3x-4}{2} \geq \frac{x+1}{4} - 1$ 2
12. If $\left(\frac{1+i}{1-i} \right)^m = 1$, then find the least positive integral value of m. 2

13. (A) The function f is given by $f(x) = \begin{cases} 1-x, & x < 0 \\ 1, & x = 0 \\ 1+x, & x > 0 \end{cases}$ 2

Draw the graph of $f(x)$.

OR

- (B) If $f(x) = x^2 + x^3 - 5$, find $\frac{f(1.1) - f(1)}{(1.1 - 1)}$

Section-C

All questions are compulsory. In case of internal choices attempt any one.

14. (A) Show that $\tan 3x \tan 2x \tan x = \tan 3x - \tan 2x - \tan x$ 3

OR

- (B) If $\tan x = \frac{3}{4}$, $\pi < x < \frac{3\pi}{2}$, find the value $\sin \frac{x}{2}$, $\cos \frac{x}{2}$

15. If $x + iy = \frac{a+ib}{a-ib}$, prove that $x^2 + y^2 = 1$ 3

Section-D

All questions are compulsory. In case of internal choices attempt any one.

16. Solve the inequation $|x - 1| + |x - 2| \geq 4$ 5

17. (A) Find the domain and range of $f(x) = \frac{1}{\sqrt{x - [x]}}$ 5

OR

- (B) Find the domain and range of the following function :

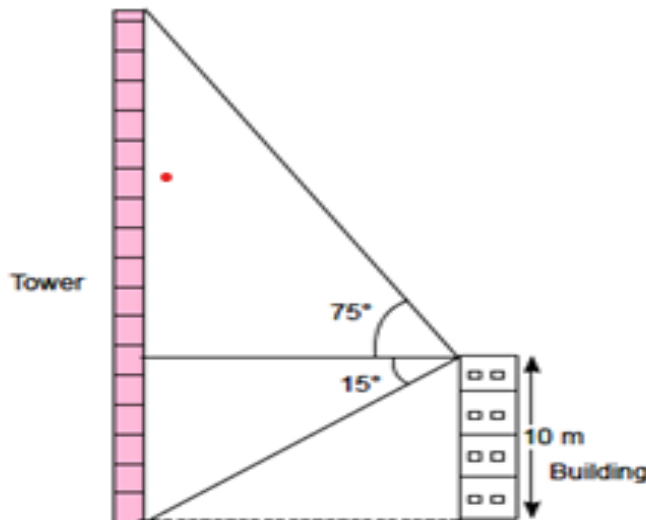
i) $f(x) = 1 - |x - 2|$

ii) $f(x) = \sqrt{9 - x^2}$

Section-E

18. **Read the text carefully and answer the questions:** 4

From the top of a tower of 10 m high building the angle of elevation of top of a tower is 75° and the angle of depression of foot of the tower is 15° . The tower and building are on the same horizontal surfaces.



- (i) Find the value of $\tan 15^\circ$.
 (ii) Find the value of $\cos 75^\circ$.

19. **Read the text carefully and answer the questions:** 4

In a group of 50 students, the number of students studying French, English, Sanskrit were found as follows: French = 17, English = 13, Sanskrit = 15, French and English = 9, English and Sanskrit = 4, French and Sanskrit = 5, English, French and Sanskrit = 3. Find the number of students who study

- (i) French only.
 (ii) English only.
 (iii) (A) At least one of these three languages.

OR

- (B) At most two languages.