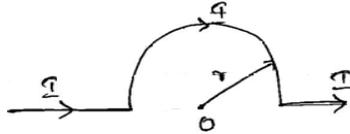


20.08.19 Comprehensive Revision Programme-1 Marks: 40
 STD: XII (A,B) Physics Time: 1.15 hrs
 (AN)

I. Choose the correct answer: 5x1=5

1. The magnetic field at the centre O of the following current loop is _____.



- a) $\frac{\mu_0 I}{4r} \otimes$ b) $\frac{\mu_0 I}{4r} \odot$ c) $\frac{\mu_0 I}{2r} \otimes$ d) $\frac{\mu_0 I}{2r} \odot$
2. A circular coil of radius 5cm and has 50 turns carries a current of 3 ampere. The magnetic dipole moment of the coil is
 a) 1.0 amp-m² b) 1.2 amp-m² c) 0.5 amp-m²
 d) 0.8 amp-m²
3. Two thin long parallel wires separated by a distance 'a' are carrying current I amp each. The magnitude of the force per unit length exerted by one wire on the other is
 a) $\frac{\mu_0 I^2}{a^2}$ b) $\frac{\mu_0 I^2}{2\pi a}$ c) $\frac{\mu_0 I}{2\pi a}$ d) $\frac{\mu_0 I}{2\pi a^2}$
4. The direction of the magnetic field due to a solenoid is given by
 a) Amperes circuital law b) Biot-Savart law
 c) Right hand palm rule d) Flemings right hand rule
5. A thin insulated wire forms a plane spiral of N=100 light turns carrying a current I=8mA (milli ampere). The radii of inside and outside turns are a=50mm and b=100mm respectively. The magnetic induction at the center of the spiral is
 a) 5 μT b) 7 μT c) 8 μT d) 10 μT

II. Answer any 4 of the following: 4x2=8

6. Define coulomb's inverse square law of magnetism.
 7. Differentiate between hard and soft materials.
 8. Compute the magnitude of the magnetic field of a long, straight wire carrying a current of 1A at distance of 1m from it. Compare it with Earth's magnetic field.

9. Define Curie Wiess law.

10. Define magnetic susceptibility.

III. Answer any 4 of the following: 4x3=12

11. State and explain Biot-savart law.
 12. Explain torque acting on a bar magnet in uniform magnetic field.
 13. State the properties of magnet.
 14. A coil of a tangent galvanometer of diameter 0.24m has 100 turns. If the horizontal component of earth's magnetic field is 25x10⁻⁶T then calculate the current which gives a deflection of 60°.
 15. Define Ampere's law and polarity rule.
- IV. Answer any 3 of the following: 3x5=15
16. Derive an expression for the magnetic field at a point along the axial line of the magnetic dipole.
 17. Derive an expression for the magnetic field produced along the axis of the current carrying circular coil.
 18. Explain the classification of magnetic materials.
 19. Derive an expression for the magnetic field at a point along the equatorial line of the magnetic dipole.

20.08.19 Comprehensive Revision Programme -1 Marks: 40
 STD: XII (A,B) Chemistry Time: 1.15 Hrs
 (FN)

I. Choose the correct answer: 10x1=10

1. Among the following pairs of elements which are semiconductors?

- a) C and Si b) Si and Ge c) B and Al d) B and Si

2. An aqueous solutions of borax is

- a) acidic b) basic c) neutral d) Both a and b

3. Duralumin is an alloy of

- a) Cu, Mn b) Cu, Al c) Al, Mn d) Al, Cu, Mn, Mg

4. Match items in column I with items of column II and assign correct code.

Column I	Column II	A	B	C	D
a) Borazole	B(OH) ₃	a)2	1	4	3
b) Boric acid	B ₃ N ₃ H ₆	b)1	2	4	3
c) Quartz	Na ₂ [B ₄ O ₅ (OH) ₄]·8H ₂ O	c)1	2	3	4
d) Borax	SiO ₂	d)4	3	2	1

5. Spodumene is an example of

- a) Pyrosilicate b) Chain silicate c) Sheet silicate
 d) Both a and b

6. The half life period of zero order reaction

- a) $t_{\frac{1}{2}} = \frac{2K}{[\Delta_0]}$ b) $t_{\frac{1}{2}} = \frac{[\Delta_0]}{2K}$ c) $t_{\frac{1}{2}} = \frac{[\Delta_0]}{K}$ d) None of these

7. The rate of cyclopropane at 2mol L⁻¹ is

- a) 6.92x10⁻² b) 3.46x10⁻² c) 1.73x10⁻² d) 1.74x10⁻²

8. Decomposition of N₂O on hot platinum surface is an example of _____ reaction.

- a) First order b) Zero order c) Second order d) Third order

9. What is the activation energy for a reaction if its rate doubles when the temperature is raised from 200K to 400K (R=8.314JK⁻¹mol⁻¹)

- a) 234.65 KJ/mol/K b) 434.65 KJ/mol/K
 c) 434.65 KJ/K/mol d) 334.65 J/mol/K

10. The half life period of a radioactive element is 140 days. After 560 days, 1g of element will be reduced to

- a) $\frac{1}{2}$ g b) $\frac{1}{4}$ g c) $\frac{1}{8}$ g d) $\frac{1}{16}$ g

II. Answer any 5 of the following: 5x3=15

11. Write the half life period rate constant of first order reaction.

12. Differentiate Rate and Rate constant.

13. A first order reaction takes 8 Hours for 90% completion.

Complete the calculation for 80% of the reaction.

14. Explain the terms a) Borazole b) Catenation c) Producer gas

15. What happens when the following are heated

- a) Boric acid b) Borax

16. Define: a) Rate law b) Order of a reaction

17. How does concentration and surface area of reactant affects the rate of reaction?

III. Answer any 3 of the following: 3x5=15

18. a) Differentiate graphite and diamond. (3 Marks)
 (2 Marks)

b) Write two methods of preparation of aluminium chloride.

19. Write a note on: a) Metalloid b) Allotropy

c) Identification of borate radical d) uses of carbonmonoxide

20. Bring the importance of Arrhenius equation in Kinetics.

21. Explain:

a) Collision theory

b) The rate constant of a reaction at 400 and 200k are 0.04 and 0.02s⁻¹ respectively. Calculate the value of activation energy.

20.08.19 Comprehensive Revision Programme-1 Marks: 40
 STD: XII (C,D) Biology Time: 1.15 hrs
 (FN) Bio-Botany

I. Answer all the questions:: 3x1=3

1. Choose the incorrect pair:

- a) Continuous variation – Quantitative inheritance
- b) Discontinuous variation – Qualitative inheritance
- c) Pea gene A - white flowers
- d) Removing of anthers – Emasculation

2. _____ is not a true Xerophyte.

- a) Argemone b) Bryophyllum c) Aloe d) Nerium

3. Reappearance of ancestral trait after being lost in previous generations is said to be _____.

II. Answer any 3 of the following: 3x2=6

- 4. What is meant by true breeding or pure breeding lines/strain?
- 5. Write a note on Pleiotropy.
- 6. What is Junglone?
- 7. Draw and label a free floating hydrophyte.

III. Answer any 2 of the following: 2x3=6

- 8. Why is loamy soil ideal for cultivation?
- 9. Explain the Law of Dominance.
- 10. Differentiate Continuous Variation with discontinuous variation.

IV. Answer any 1 in detail: 1x5=5

- 11. Why Mendel's pea plants are tall and dwarf? Find out the molecular explanations.
- 12. Tabulate the different Interactions seen in plant.

Bio-Zoology

I. Choose the correct answer: 3x1=3

1. Assertion (A): Syngamy refers to the fusion of two haploid gametes.

Reason (R): Syngamy leads to zygote formation.

- a) A and R are correct b) A and R are incorrect
- c) R is not the right explanation for A
- d) A is correct but R is incorrect

2. Colostrum has _____ antibody.

- a) IgA b) IgE c) IgD d) IgG

3. Haploid number of chromosomes are seen in _____.

- a) Oogonia b) Primary oocyte c) Secondary oocyte
- d) Nurse cell

II. Answer any 3 of the following: 3x2=6

- 4. What are the secretions of Placenta?
- 5. What is meant by Braxter Hick? Explain.
- 6. What is meant by GIFT?
- 7. What is anorexia? Explain.
- 8. What is meant by Leydig cell?
- 9. What is meant by surrogacy?

III. Answer any 2 of the following: 2x3=6

- 10. Explain on any three embryonic membranes.
- 11. Explain ovulatory phase.
- 12. Explain the role of corpus luteum.

IV. Answer any 1 of the following: 1x5=5

- 12. Write a note on Parturition and Lactation.
- 13. Write a note on ART.

I. Choose the correct answer: 5x1=5

1. If $|adj(adj A)| = |A|^9$, then the order of the square matrix A is

- 1) 3 2) 4 3) 2 4) 5

2. If $A = \begin{pmatrix} \frac{3}{5} & \frac{4}{5} \\ x & \frac{3}{5} \end{pmatrix}$ and $A^T = A^{-1}$, then the value of x is

- 1) $-\frac{4}{5}$ 2) $-\frac{3}{5}$ 3) $\frac{3}{5}$ 4) $\frac{4}{5}$

3. If $P = \begin{pmatrix} 1 & x & 0 \\ 1 & 3 & 0 \\ 2 & 4 & -2 \end{pmatrix}$ is the adjoint of 3x3 matrix A and $|A|=4$,

then x is

- 1) 15 2) 12 3) 14 4) 11

4. If $adj A = \begin{pmatrix} 2 & 3 \\ 4 & -1 \end{pmatrix}$ and $adj B = \begin{pmatrix} 1 & -2 \\ -3 & 1 \end{pmatrix}$, then $adj (AB) =$ _____

- 1) $\begin{pmatrix} -7 & -1 \\ 7 & -9 \end{pmatrix}$ 2) $\begin{pmatrix} -6 & 5 \\ -2 & -10 \end{pmatrix}$ 3) $\begin{pmatrix} -7 & 7 \\ -1 & -9 \end{pmatrix}$ 4) $\begin{pmatrix} -6 & -2 \\ 5 & -10 \end{pmatrix}$

5. If $P(A) <$ number of unknowns in the homogeneous system of equations, then the system has

- 1) No solution 2) only trivial solution
 3) only non-trivial solution
 4) Trivial solution with infinitely many solutions

II. Answer any 4 of the following: 4x2=8

(Q.No.10 is compulsory)

6. If $A = \begin{pmatrix} 8 & -4 \\ -5 & 3 \end{pmatrix}$, verify that $A(adj A) = |A|I_2$

7. Find the rank by minor method : $\begin{pmatrix} 0 & 1 & 2 & 1 \\ 0 & 2 & 4 & 3 \\ 8 & 1 & 0 & 2 \end{pmatrix}$

8. Decrypt the received encoded message (2 -3) (20 4) with encryption matrix $\begin{pmatrix} -1 & -1 \\ 2 & 1 \end{pmatrix}$ and the decryption matrix as its inverse, where the system of codes are described by the number of codes are described by the numbers 1-26 to the letters A-Z respectively and the number 0 to a blank space.

9. If $adj(A) = \begin{pmatrix} 0 & -2 & 0 \\ 6 & 2 & -6 \\ -3 & 0 & 6 \end{pmatrix}$, find A^{-1}

10. Find the rank of matrix $A = \begin{pmatrix} 4 & 5 & -6 & 1 \\ 7 & -3 & 0 & 8 \end{pmatrix}$

III. Answer any 4 of the following: 4x3=12

(Q.No.15 is compulsory)

11. Verify $(A^T)^{-1} = (A^{-1})^T$ with $A = \begin{pmatrix} 2 & 9 \\ 1 & 7 \end{pmatrix}$

12. If $A = \begin{pmatrix} 4 & 3 \\ 2 & 5 \end{pmatrix}$, find x and y such that $A^2 + xA + yI_2 = O_2$

13. Find the matrix A for which $A \begin{pmatrix} 5 & 3 \\ -1 & -2 \end{pmatrix} = \begin{pmatrix} 14 & 7 \\ 7 & 7 \end{pmatrix}$

14. Find the rank of $\begin{pmatrix} 3 & -8 & 5 & 2 \\ 2 & -5 & 1 & 4 \\ -1 & 2 & 3 & -2 \end{pmatrix}$ by row reduction method

15. For what value 't' will the system $tx + 3y - z = 1$; $x + 2y + z = 2$, $-tx + y + 2z = -1$ fail to have unique solution?

IV. Answer any 3 of the following questions: 3x5=15

16. A family of 3 people went out for dinner in a restaurant. The cost of two dosai, three idlies and two vadais is Rs.150. The cost of the two dosai, two idlies and four vadai is Rs.200. The cost of five dosai, four idlies and two vadais is Rs.250. The family has Rs.350 in hand and they ate 3 dosai and six idlies and six vadais. Will they be able to manage to pay the bill within the amount they had? (Cramer's rule)

17. A boy is walking along the path $y = ax^2 + bx + c$ through the points (-6, 8) (-2, -12) and (3, 8). He wants to meet his friend at P(7, 60) Will he meet his friend? (Use Gaussian elimination method)

18. Investigate for what values of λ and μ the system of linear equations $2x + 3y + 5z = 9$, $7x + 3y - 5z = 8$, $2x + 3y + \lambda z = \mu$, have i) No solution ii) a unique solution iii) an infinite number of solution.

19. By using Gaussian elimination method, balance the chemical reaction equation $C_5H_8 + O_2 \rightarrow CO_2 + H_2O$

20.08.19 Comprehensive Revision Programme-1 Marks:40
 Std:XII[F,G] Commerce Time:1.15 Hrs
 [FN]

- I. Choose the correct answer: 5x1=5
1. Management is an _____.
 a. art b. science c. art or science d. art and science
 2. Stock exchanges deal in _____.
 a. financial securities b. goods
 c. services d. country's currency
 3. A pessimistic speculator is _____.
 a. bear b. stag c. bull d. lame duck
 4. The rules and regulation of stock exchange is framed by _____ guidelines.
 a. BSE b. SEBI c. RBI d. Central Government
 5. Labour turnover is the rate of which employees _____ the organisation.
 a. Leave b. Enter c. Salary d. None of the above

II. Answer any 4 of the following: 4x2=8

6. Give the meaning of HR.
7. Write any 5 stock exchanges in India.
8. What is the stock trading time in India?
9. What is meant by stock exchange?
10. What is management?
11. State the meaning of responsibility.

III. Answer any 4 of the following: 4x3=12

12. Define the term management.
13. What determines the span of management?
14. Write top 10 stock exchanges in the world.
15. Explain benefits of stock exchanges to the company.
16. What are the features of HR?
17. Define HRM.

IV. Answer any 3 of the following: 3x5=15

18. Difference between HR from HRM.
19. Explain the benefits of stock exchange to investors.
20. Explain the features of stock exchange.
21. Write about the contribution of Drucker to management.

20.08.19 Comprehensive Revision Programme-1 Marks:40
 Std:XII[G] AN Economics Time:1.15 Hrs

- I. Choose the correct answer: 5x1=5
1. Which is a Flow concept ?
 a. Number of shirts b. Total wealth
 c. Monthly income d. Money supply
 2. The Financial year in India is _____.
 a. April 1 to March 31 b. March 1 to April 30
 c. March 1 to March 16 d. January 1 to December 31
 3. Identify the Father of Socialism.
 a. Keynes b. Karl marx c. Adamsmith d. Samuelson
 4. Identify the other name for Macro Economics _____.
 a. Price theory b. Income theory
 c. Market theory d. Micro theory
 5. The GDP estimates for India varies from _____.
 a. 2 to 4 trillion b. 3 to 5 trillion
 c. 1 to 3 trillion d. 2 to 5 trillion

II. Answer the following: (any 4) 4x2=8

6. Define National Income.
7. What is mean by double counting?
8. What do you mean by Capitalism?
9. Define Circular flow of income.
10. Write the merits of Socialism.
11. What is meant by Flow Variables?

III. Answer the following: (any 4) 4x3=12

12. Draw the Flow Chart of functioning of an economy Based on Activities.
13. State the importance of macro economics.
14. Distinguish between Capitalism & Globalism.
15. Write briefly about national income & welfare.
16. List out the uses of national income.
17. Write the precautions of Expenditure method.

IV. Answer the following: (any 3) 3x5=15

18. Discuss the various methods of estimating the national income of a country.
19. Illustrate the functioning of an economy based on its Activities.
20. Compare the features among Capitalism, Secularism and Mixedism.
21. Explain the demerits of Socialism and the features of mixed Economy.

20.08.19 Comprehensive Revision Programme -1 Marks: 30
STD: XII (F,H,J) AN தமிழ் Time: 1 Hr

I. பலவுள் தெரிக: 4×1=4

1. சுவடியோடு பொருந்தாத ஒன்றைத் தேர்வு செய்க:

- அ) வசம்பு ஆ) மணத்தக்காளியிலை இ) கடுக்காய்
ஈ) மாவிலைக்கரி

2. 'ஆசான் கவிதை விருது' பெற்ற கவிஞர் _____.

- அ) சுரதா ஆ) உ.வே.சாமிநாதர் இ) சி.மணி ஈ) ஓளவையார்

3. "காவினெம் கலனே; சுருக்கினெம் கலப்பை" — இத்தொடரில் 'கலன்'

உணர்த்தும் பொருள் _____

- அ) போர்க்கருவி ஆ) தச்சுக்கருவி இ) இசைக்கருவி
ஈ) வேளாண்கருவி

4. சாலைப்போக்குவரத்து உதவிக்குத் தொலைபேசி எண் _____ ஐ

தொடர்பு கொள்ளலாம்.

- அ) 100 ஆ) 102 இ) 101 ஈ) 103

II. தொடரில் உள்ள பிழைகளை நீக்கி எழுதுக: 2×1=2

5. ரங்கள் வெங்கலப் பாத்திரக்கடை வைத்திருக்கிறார்.

6. இன்னிக்கு சாயங்காலம் கபடி போட்டி நடைபெறும்

III. பின்வரும் ஆங்கிலச் சொற்களுக்கு ஏற்ற கலைச்சொற்களை தருக:

4×½=2

7. Take off 8. Visa 9. Departure 10. Conveyor belt

IV. பின்வரும் சொல்லைப் பிரித்தும் சேர்த்தும் தொடரமைக்க: 1×2=2

11. வெங்காயம்

2×2=4

V. பின்வரும் வினாக்களுள் எவையேனும் இரண்டனுக்குக் குறுவிடை தருக:

12. 'எத்திசையிலும் சோறு தட்டாது கிட்டும்' - யார்க்கு?

13. இடையீடு - எவற்றைக் குறியீடாகக் குறிப்பிடுகிறது?

14. நீர் தேடி அலையும்போது இளநீரும் கிடைக்கும் - கவிஞர் எக்கருத்தை

இவ்வாறு குறிப்பிடுகிறார்?

VI. பின்வரும் வினாக்களுள் ஏதேனும் ஒன்றனுக்குச் சிறுவிடை தருக:

15. மணலில் எழுதியது முதல் தற்காலம் வரை எழுதும் முறையில் ஏற்பட்டுள்ள மாற்றங்களைத் தொகுத்துரைக்க.

16. "மூன்றான காலம் போல் ஒன்று" - எவை? ஏன்? விளக்குக.

VII. பின்வரும் வினாக்களுள் ஏதேனும் ஒன்றனுக்கு நெடுவிடை தருக 1×6=6

17. கவிதை எழுத அறிய வேண்டுவனவாகச் சுரதா கூறுவனவற்றை விவரிக்க.

18. 'சாலை விபத்தில்லாத் தமிழ்நாடு' - இக்கூற்று நனவாக நாம் செய்ய வேண்டியன யாவை?

VIII. அடிபிறழாமல் எழுதுக: 1×4=4

19. 'விண்வேறு' - எனத் தொடங்கும் கவிஞர் சுரதாவின் பாடலை அடிபிறழாமல் எழுதுக.

IX. இலக்கணக் குறிப்பு தருக: 2×1=2

20. சிறாஅர் 21. அடையா

20.08.19 Comprehensive Revision Programme-1 Marks: 30
 STD: XII (E,H) English Time: 1Hr
 (FN) 10x1=10

I. Choose the correct synonym of the underlined word from the options given below:

1. More and More, as I near the end of my career as a heart surgeon.
 a) barrier b) carrier c) profession d) business
2. My gloomy thoughts probably stem from an accident.
 a) dummy b) cloudy c) dreamy d) sorrowful

Choose the correct antonym of the underlined word from the options given below:

3. He had a malignant tumour of the bone.
 a) deadly b) fatal c) mortal d) benign
4. In those days they didn't have sophisticated heart surgery.
 a) complex b) primitive c) simple d) advanced

5. Spot the errors in the following sentence:

- i) In spite of his poverty and setbacks, he was able to launch his dream carrier.
- ii) My grandfather is well-known in the village for his nobel deeds.

Form a phrase with each of the following pairs of nouns given below:

6. emotion + song = _____
7. sense + issue = _____

Add suitable question tags to the following sentences and punctuate properly:

8. My mother rarely travels by bus _____.
9. I am always the winner _____.

Correct the error found in the question tag in the following:

10. The rhinoceros has a horn made of Keratin, haven't they?

II. Read the following sets of poetic lines and answer the questions below: 7x1=7

'In fair round belly with good capon lin'd,
 With eyes severe and beard of formal ct,
 Full of wise saws and modern instances;

11. Which stage of life has been described here by Shakespeare?
12. What are the features of this stage?
13. Explain the last line
14. Bring out the meaning of the word "capon lin'd"
 "And whistles in his sound last scene of all,
 That ends this strange eventful history
 Is second childishness and mere oblivion;
 Sans teeth, sans eyes, sans taste, sans everything,'
15. What is man's condition in the last stage of life?
16. What do you mean by 'sans'?
17. Bring out the alliterated words in the last line.

III. Explain with reference to the context (Any one): 1x3=3

18. "Jealous in honour, sudden and quick in quarrel,
 Seeking the bubble reputation."
19. "They have their exits and their entrances;
 And one man in his time plays many parts,"

IV. Do as directed: 2x1=2

Change the following sentences into passive voice:

20. How did you do the experiment?
 Change the following sentence into active voice.

21. Our television is being repaired now.

V. Answer any one of the following: 1x3=3

22. Why does Dr.Barnard describe the blind boy as a 'walking horror'?
23. Dr.Barnard couldn't find any nobility in suffering. Why?

VI. Answer any one of the following in a paragraph of 100-150 words: 1x5=5

24. Describe the various stages of a man's life picturised in the poem "All the world's a stage".
25. Trace the bond of friendship between Baldwin and Gresham. Explain why Baldwin wished to attribute some credit to his friend.

I. Choose the correct synonym of the underlined word from the options given below:

1. I experienced not only agony a fear but also anger.
a) apathy b) pain c) solace d) relief
2. Suffering ennobles you-makes you a better person.
a) enables b) dignifies c) imposes d) consoles

Choose the correct antonym of the underlined word from the options given below:

3. There was a grand finale of scattered plates and silverware.
a) climax b) finish c) end d) commencement
4. They go through mutilating surgery.
a) building up b) amputating c) hacking
d) disfiguring

5. Spot the errors in the following sentence:

- i) The Boss had full confidence on his Manager for successful completion of the project.
- ii) The new health care scheme announced by the Government will bring relief to the children suffering with acute tuberculosis.

Form a phrase with each of the following pairs of nouns given below:

6. Skeleton + system = _____
7. Agony + experience = _____

Add suitable question tags to the following sentences and punctuate properly:

8. You have not returned my books yet, _____
9. Somebody must bell the cat _____.

Correct the error found in the question tag in the following:

10. That's definitely not the right thing to do in this situation, isn't that?

II. Read the following sets of poetic lines and answer the questions below: 7x1=7

Then the whining school-boy, with his satchel
And shining morning face, creeping like snail
Unwillingly to school.

11. Which stage of life is being referred to here by the poet?
12. What are the characteristics of this stage?
13. How does the boy go to school?
14. Which figure of speech has been employed in the second line?
"For his shrunk shank; and his big manly voice,
Turning again toward childish treble pipes
And whistles in his sound, Last scene of all.

15. What does the phrase 'shrunk shank' mean?
 16. How is the voice of a man at this stage?
 17. What stage of a man's life is referred to in these lines?
- III. Explain with reference to the context (Any one): 1x3=3
18. Is second childishness and mere oblivion;
Sans teeth, sans eyes, sans teeth, sans everything
 19. "Jealous in honour, sudden and quick in quarrel,
Seeking the bubble reputation."

IV. Do as directed: 2x1=2

Change the following sentence into passive voice:

20. They unanimously named Ravi the Captain of team.
Change the following sentence into active voice.
21. Sweets have not been distributed to children by the organisers.

V. Answer any one of the following: 1x3=3

22. What was the profound lesson that Dr.Barnard learnt from the boys?
23. How did the hospitalization of Dr.Barnard and his wife affect their routine?

VI. Answer any one of the following in a paragraph of 100-150 words: 1x5=5

24. Trace the bond of friendship between Baldwin and Gresham. Explain why Baldwin wished to attribute some credit to his friend.
25. Describe the various stages of a man's life picturised in the poem "All the world's a stage".

EVERWIN MATRIC. HR. SEC. SCHOOL

STD: XII(I,J) Comprehensive Revision Programme -1 Marks: 40
(FN) Accountancy Time: 1.15 Hrs

I. Answer any 5 of the following: 5x2=10

1. Write the format for Total creditors account.

2. Find out the profit or loss:

Particulars	₹
Opening capital	2,50,000
Closing capital	3,00,000
Additional capital	50,000
Drawings	2,500 per month

3. Calculate the missing figure.

Particulars	₹
Closing capital as on 31/3/19	1,90,000
Additional capital	50,000
Drawings	30,000
Opening capital as on 9/4/18	?
Loss	40,000

4. Following are the balances of Sharmila as on 31st Dec 2018.

Particulars	₹	Particulars	₹
Bills receivable	6,000	Creditors	25,000
Bills payable	4,000	Stock	45,000
Machinery	60,000	Debtors	70,000
Furniture	10,000	Cash	4,000

Prepare statement of affairs as on 31st Dec 2018 and calculate capital as at that date.

5. Find out the opening capital of account:

Particulars	1/4/18
Cash	43,000
Stock	1,20,000
Debtors	84,000
Creditors	1,05,000
Loan	25,000
Business premises	2,50,000
Furniture	33,000

6. Find out profit or loss:

Particulars	₹
Cash	29,000
Stock	1,30,000
Debtors	1,10,000
Creditors	1,02,000
Loan	20,000
Premises	2,50,000
Furniture	45,000

Additional capital 45,000 and withdrew 2,500 per month as drawings.

II. Answer the following: 4x5=20

7. Find out profit or loss of the firm:

Particulars	31.3.18	31.3.19
Cash at bank	5,000 (Dr)	60,000 (Cr)
Cash in hand	3,000	4,500
Stock	35,000	45,000
Debtors	1,00,000	90,000
Machinery	80,000	80,000
Buildings	1,40,000	1,40,000
Creditors	1,70,000	1,30,000

Drawings 60,000, Additional capital 17,000 Provision of 5% on Debtors, Machinery depreciated at 10%

8. From the following particulars find out total sales:

Particulars	₹	Particulars	₹
Debtors on 1/4/18	2,50,000	Bills receivable	
Bills receivable on 1/4/18	60,000	Dishonoured	15,000
Cash received from debtors	7,25,000	Returns inward	50,000
Cash received for Bills receivable	1,60,000	31/3/19	90,000
Bad debts	30,000	Sundry debtors	
		31/3/19	2,40,000
		Cash sales	3,15,000

9. Calculate total purchases

Particulars	₹	Particulars	₹
Creditors 1/1/18	30,000	Purchase Return	15,000
Bills payable on 1/1/18	25,000	Cash purchase	2,25,000
Paid cash to Creditors	1,20,000	Creditors 31/12/18	25,000
Paid of Bills payable	30,000	Bills payable on 31/12/18	20,000

10. Prepare statement of profit or loss

Particulars	1/1/18	31/12/18
Bank	80,000	90,000
Stock	1,80,000	1,40,000
Debtors	90,000	2,00,000
Creditors	1,30,000	1,95,000
Loan	60,000	60,000
Bills payable	80,000	45,000
Machinery	1,70,000	1,70,000

Introduced capital of 50,000 withdrew 2,500 per month.

III. Answer any 1 of the following: 1x10=10

11. Calculate credit sales & credit purchase by preparing Total debtors a/c, Creditors a/c, Bills receivable a/c & Bills payable a/c.

Particulars	₹	Particulars	₹
Balance as on 1/4/18 Debtors	2,40,000	Balance as on 31/3/18 Debtors	2,20,000
Bills receivable	30,000	Creditors	4,50,000
Creditors	1,20,000	Bills receivable	8,000
Bills payable	10,000	Bills payable	20,000

Other information:

Particulars	₹	Particulars	₹
Cash received from Debtors	6,00,000	Payment against bills payable	30,000
Discount allowed to customers	25,000	Cash received for Bills receivable	60,000
Cash paid to creditors	3,20,000	Bills receivable Dishonoured	4,000
Discount allowed	10,000	Bad debts	16,000

12. Prepare Trading & Profit & loss a/c & balance sheet as on 31/12/18.

Particulars	1/1/18	31/12/18
Furniture	30,000	30,000
Cash	10,000	17,000
Debtors	40,000	60,000
Stock	28,000	11,000
Bills receivable	12,000	35,100
Bank loan	25,000	25,000
Creditors	15,000	16,000

Other information:

Cash sales	11,200	Credit sales	88,800
Cash purchases	4,250	Credit purchases	35,750
Carriage on purchases	3,000	Carriage on sales	700
Commission received	600	Interest on loan	2,500
Drawings	8,000	Additional capital	14,000
Salaries	8,900	Office Rent	2,400

Adjustments:

Depreciation of 5% on furniture. Provision 1% on debtors for doubtful debts.

I. Choose the correct answer: 10x1=10

1. _____ are not treated as definitions.
 a) Sub routines b) Expression c) Statement
 d) Algorithm
2. The definition is introduced by the keyword _____.
 a) funct() b) let c) function d) none
3. An _____ is an instance created from the class.
 a) operator b) statement c) function d) object
4. _____ are the interfaces in Oops.
 a) function b) class c) structures d) pointers
5. Choose the odd man out:
 a) list b) Multiple assignment c) classes
 d) Element selection operator
6. _____ are the representation for ADT.
 a) classes b) data hiding c) Encapsulation
 d) None
7. The function which creates the objects of class is _____.
 a) Constructor b) Destructor c) Selector d) None
8. Data abstraction is facilitated by using _____ and _____.
 a) Constructors & Destructors
 b) Constructors & Selectors
 c) Selectors & Destructors d) None
9. Which scope has the highest priority?
 a) local b) Enclosed c) Global d) Built in
10. Assertion: The fundamental concept of access control is that minimizes risk to object.
 Reason: Access control is a security technique that regulates who or what can view or use resources in computing environment.
 a) A and R is false b) A is True and B is false
 c) A is false but R is true d) A and R is true

II. Answer any 4 of the following: 4x2=8

Q.No.12 is compulsory

11. How will you combine interface and implementation?
12. Is it sin(0) is a pure function? Justify your answer.

13. What is pair? Give an example.

14. What is the function of constructor?

15. Name about the widest scope.

III. Answer any 4 of the following: 4x3=12

Q.No.19 is compulsory

16. How the variable scopes are prioritized?

17. Why access control is required?

18. What is meant by list literal?

19. Write a note on concrete datatype.

20. Differentiate pure and impure function.

IV. Answer any 2 in detail: 2x5=10

21. Identify in the following program:

```
let rec gcd a b :=
  if b < >0 then gcd b (a mod b)
  else return
```

- i) Name of the function.
 - ii) Identify the statement which tells it is a recursive function.
 - iii) Name of the argument variables.
 - iv) Statement which invoke the function recursively.
 - v) Statement which terminates the recursive.
22. How will you access multi item? Explain with example.
23. How will you represent ADT using relational numbers?