EVERWIN MATRIC. HR. SEC. SCHOOL

28.08.19   Comprehensive Revision Programme -1   Marks: 40

STD: XII (A,B)   Chemistry   Time: 1.15 Hrs

(FN)

I. Choose the correct answer: 5x1=5

1. Which one of the following arrangements does not truly represent the property against it?
   a) $Br_2 < Cl_2 < F_2$ Electronegativity
   b) $Br_2 < F_2 < Cl_2$ Electro Affinity
   c) $Br_2 < Cl_2 < F_2$ Bond Energy
   d) $Br_2 < Cl_2 < F_2$ Oxidising power

2. The geometry of H_2S and its dipole moment are
   a) Angular and nonzero   b) Angular and zero
   c) Linear and nonzero   d) Linear and zero

3. $[X] + H_2SO_4 \rightarrow [Y]$ - a colourless gas with initiating smell.
   $[Y] + K_2Cr_2O_7 + H_2SO_4 \rightarrow$ green solution [X] and [Y] are
   a) SO_3^{-2} , SO_2 b) cl- Hcl   c) S^{2-}, H_2S d) CO_3^{-2}, CO_2

4. $H_2SO_4 + NaOH \rightarrow$?
   a) $NaHSO_4 + H_2O$ b) $Na_2SO_4 + 2H_2O$ c) $(NH_4)_2SO_4 + H_2O$
   d) None of the above

5.
   OH-S-S-OH (with O O on top and O O on bottom)
   a) Polythionic acid   b) Dithonic acid
   c) Peroxymonasulphuric acid   d) Marshall's acid

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

6. Give a note on Deacon's process.

7. Complete the equation:
   $Au + 4H^+ + NO_3^- + 4cl^- \rightarrow$
   $Na_2SiO_3 + 6HF \rightarrow$

8. Write the order of the reactivity of HBr, Hcl, HI and HF. Substantiate it.

9. How bleaching powder is prepared?

10. Why fluorine to more reactive than other halogens?

11. List the uses of Radon and Helium.

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

12. Explain the structure of Xenon fluoride (XeF_2).

13. Compare the physical properties of Neon, Krypton and Argon.

14. Write the uses of Hydrochloric acid and Chlorine.

15. Mention 6 compounds of Xenon with hybridization shape and structure.

16. List and write any four reactions that liberate chlorine.

17. What are displacement reactions.

IV. Answer any 2 of the following: 2x5=10

18. Explain the following:
    i) Decomposition of H_2SO_4 ii) Oxidation of H_2SO_4
    iii) H_2SO_4 Reactions with metals
    iv) H_2SO_4 reactions with salts
    v) Reaction with organic compound

19. Write the acidic properties of Hydrogen Halides and oxidation of Hydrogen Iodide.

20. i) Give the test that is used to detect Sulphate   (2)
    ii) When Hcl is treated with metals – CO_2 is liberated. Substantiate with reaction.   (2)
    iii) How Phosphorus trihalides is hydrolysed?

I. Choose the correct answer: 5x1=5

1. A polynomial equation in x of degree n always has _____.

    a) n distinct roots   b) n real roots   c) n imaginary roots

    d) at most one root

2. The number of positive zeros of the polynomial $\sum_{j=0}^{n} nC_r(-1)^r x^r$

  is _____.

    a) 0   b) n   c) <n   d) r

3. The number of real numbers in $[0, 2\pi]$ satisfying

  $\sin^4 x - 2\sin^2 x + 1$ is _____.

    a) 2   b) 4   c) 1   d) ∞

4. Construct a cubic equation with roots 2, 3, 4

    a) $x^3-8x^2+19x-12=0$ b) $x^2-8x+19=0$

    c) $x^3+8x^2-19x+12=0$ d) $x^3+8x^2+19x+12=0$

5. If $x^2+2(K+2)x+9K=0$ has equal roots find K.

    a) K=4 or -1   b) K=4 or 1   c) K=-4 or -1   d) K=4

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

  Question No.10 is compulsory:

6. Formulate into a mathematical problem to find a number such that when its cube root is added to it, the result is 6.

7. Find the sum of the squares of the roots of $ax^4+bx^3+cx^2+dx+e=0$ where $a\neq0$.

8. Solve the equation $x^4-14x^2+45=0$

9. Examine $x^8-3x+1=0$ for the rational roots.

10. Determine the number of positive and negative roots of the equation $x^9-5x^8-14x^7=0$

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

  Question No.15 is compulsory

11. Find all real numbers satisfying $4^x-3(2^{x+2})+2^5=0$

12. Find the sum of squares of the roots of the equation $2x^4-8x^3+6x^2-3=0$

13. Solve the equation $(x-2)(x-7)(x-3)(x+2)+19=0$

14. Find all zeros of the polynomial $x^3-5x^2+9x-5=0$, if 2+i is a root

15. Prove that a straight line and parabola cannot intersect at more than two points.

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

16. If the equations $x^2+px+q=0$ and $x^2+p^1x+q^1=0$ have a common root, show that it must be equal to $\frac{pq^1-p^1q}{q-q^1}$ or $\frac{q-q^1}{p^1-p}$

17. Find the condition that the roots of $ax^3+bx^2+cx+d=0$ are in geometric progress. Assume a, b, c, d$\neq$0.

18. Solve the following equation $x^4-10x^3+26x^2-10x+1=0$

19. If 2+i and 3-$\sqrt{2}$ are roots of the equation $x^6-13x^5+62x^4-126x^3+65x^2+127x-140=0$. Find all roots.

28.08.19   Comprehensive Revision Programme -1   Marks: 40

STD: XII (C-E) FN   Maths   Time: 1.15 Hrs

I. Choose the correct answer: 5x1=5

1. A zero of x^3+64 is _____.

     a) 0   b) 4   c) 4i   d) -4

2. The polynomial x^3-Kx^2+9x has three real zeros if and only if, K satisfies

     a) $|K| \leq 6$ b) K=0   c) $|K|>6$ d) $|K| \geq 6$

3. The number of positive zeros of the polynomial $\sum_{j=0}^{n} nC_r(-1)^r x^r$ is _____.

     a) 0   b) n   c) <n   d) r

4. The roots of the polynomial equatin $x^3-3x^2-33x+35=0$ are

     a) 1, 7, -5   b) 7, -5   c) 1, 7, 5   d) 1, -7, 5

5. If f and g are polynomials of degrees m and n respectively, and if h(x)= (f o g)(x), then the degree of h is _____.

     a) mn   b) m+n   c) m^n d) n^m

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

     Question No.10 is compulsory

6. Find the monic polynomial equation of minimum degree with real coefficient having $2-\sqrt{3}i$ as a root.

7. Construct a cubic equation with roots 1, 1 and -2.

8. Find the sum of the squares of the roots of $ax^4+bx^3+cx^2+dx+c=0$ where $a\neq 0$.

9. Examine for the rational roots of $2x^3-x^2-1=0$

10. Solve $\sin^2 x-5\sin x+4=0$

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

     Question No.15 is compulsory

11. Find all real numbers satisfying $4^x-3(2^{x+2})+2^5=0$

12. Show that the polynomial $9x^9+2x^5-x^4-7x^2+2$ has atleast six imaginary roots.

13. If p is real, discuss the nature of the roots of the equations $4x^2+4px+p+2=0$ in terms of p.

14. If the sides of a cubic box are increased by 1, 2, 3 units respectively to form a cuboid, then the volume is increased by 52 cubic units. Find the volume of the cuboid.

15. If α, β, γ are the roots of the cubic equation $x^3-6x^2+11x-6=0$. From a cubic equation whose roots are 2α, 2β, 2γ.

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

16. Find the condition that the roots of $ax^3+bx^2+cx+d=0$ are in geometric progression. Assume $a,b,c,d\neq 0$

17. Solve the equation $3x^3-16x^2+23x-6=0$ if the product of two roots is 1.

18. Solve $\sqrt[2]{\dfrac{x}{a}} + \sqrt[3]{\dfrac{a}{x}} = \dfrac{b}{a} + \dfrac{6a}{b}$

19. Solve the equation $6x^4-5x^3-38x^2-5x+6=0$ if it is known that $\dfrac{1}{3}$ is a solution.

28.08.19   Comprehensive Revision Programme-1   Marks:40
Std:XII [H,J]   FN   Economics   Time: 1.15 Hrs

I. Choose the correct answer: 5x1=5

1. MV stands for _____.
 a. Demand for money   b. Supply of legal tender money
 c. Supply of bank money   d. Total supply of money

2. During deflation, value of money increases, prices is _____.
  a. increases   b. decreases   c. equal   d. constant

3. _____ is a decreases in the rate of inflation.
  a. disinflation   b. deflation   c. stagflation   d. depression

4. When prices rise slowly, we call it _____.
  a. galloping inflation   b. mild inflation
  c. hyper inflation   d. deflation

5. Paper currency system is managed by the _____.
  a. Central Monetary authority   b. State Government
  c. Central Government   d. Banks

II. Answer the following: (any 4)   4x2=8
6. What is barter?
7. What is stagflation?
8. Define inflation.
9. What is Trade Cycle?
10. What is wage-price spiral?

III. Answer the following: (any 4)   4x3=12
11. Write about currency symbol.
12. What are the determinants of money supply?
13. Explain disinflation.
14. Write a note on Metallic method.
15. What is the deficit financing?

IV. Answer the following: (any 3)   3x5=15
16. Illustrate Fisher's quantity theory of money.
17. Explain Marshall's Equation of value of money.
18. Explain Functions of money.
19. Explain the Supply of Money.

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

I. Choose the correct answer: 5x1=5
1. Aggregate supply is equal to _____.
  a. C+I+G   b. C+S+G+(x-m)   c. C+S+T+(x-m)   d. C+S+T+RF

2. According to classical theory rate of interest is a reward for ____.
  a. Investment   b. Demand   c. Capital   d. Saving

3. The term MEC was introduced by _____.
  a. Adamsmith   b. J.M.Keynes   c. Ricardo   d. Malthus

4. According to keyner investment is a function of the MEC and __.
  a. Demand   b. Supply   c. Income   d. Rate of interest

5. Multiplier helps in bringing the equality between ___and____.
  a. C&I   b. R&C   c. Y&I   d. S&I

II. Answer the following: (any 4)   4x2=8
 6. What is Consumption function.
 7. Write about windfall gains or losses.
 8. Define full employment.
 9. Write about cyclical unemployment.
10. Define marginal propensity to save.
11. Draw the flow chart of say's law.

III. Answer the following: (any 4)   4x3=12
12. Explain about aggregate supply with the help of diagram.
13. Specify the limitations of the multiplier.
14. Draw the operations of Accelerator.
15. Write any five Assumptions of Multiplier.
16. What are the Determinants of investment function?
17. Write about Ex ante and Ex post in say's law.

IV. Answer the following: (any 3)   3x5=15
18. Explain the differences between classical theory and Keynes theory (any 10).
19. Explain Keynes psychological law of consumption function with diagram.
20. Explain the Technical attributes of the consumption Function.
21. Explain the Assumptions (any 5), implications (any 3), Criticisms (any 3) of the say's law of market.

28.08.19   Comprehensive Revision Programme -1   Marks: 30

STD: XII (C,D) AN   English   Time: 1Hr

I. Choose the most appropriate synonyms of the underlined word from the options given below: 10x1=10

1. Nicola was glaring at this brother in <u>vexation</u>.
    a) delight   b) disquiet   c) joy   d) pleasure

2. There is also the mysterious social <u>etiquette</u>.
    a) impolite   b) courtesy   c) dishonest d) rude

   Choose the most appropriate antonyms of the underlined word from the options given below:

3. Others are acutely <u>controversial</u>.
    a) disputed   b) agreeable c) argued   d) disagree

4. I could not bear to <u>intrude</u> upon this family party.
    a) withdraw b) encroach   c) invade   d) interfere

Fill in the blanks with suitable homophones or confusables: (1)

5. The lawyer argued in a _____ manner. (judicial/judicious)

 Choose the correct phrasal verb from the options given below and fill in the blanks: (1)

6. One cannot _____ the support of dishonest friend.
    a) pass out   b) draw up   c) bank on   d) put out

Fill in the blanks with a modal verb using the clues given in the brackets: (1)

7. My Uncle _____ have reached by now (possibility)

Fill in the blanks with the correct form of the verbs given in the brackets: (1)

8. I was angry that I _____ such a mistake. (make)

Fill in the blanks with the suitable preposition: (1)

9. A trekker climbed _____ a mountain meticulously.

Choose the appropriate linker from within the brackets and complete the sentence: (1)

10. The vendor saw the train moving slowly from the platform, _____ (therefore/until) he got in.

II. Do as directed: 2x1=2

11. Customer: Do you have a thesaurus.
      Shop owner: Yes. We have which publications do you want?

                    (or)

Fill in the blanks with suitable prepositional phrase:

12. _____ his laziness, the boy remained passive for a long time.

13. _____ rain, take an umbrella.

III. Read the following sets of the poetic line and answer the questions below: 7x1=7
      We could do nothing, being sold:
      Our only enemy was gold.

14. Who sold them?

15. Who was their enemy?

16. What is the figure of speech used here?
      Like the sea breaking on a shingle-beach?
      It is the tree's lament, an eerie speech,
      That haply to the unknown land may reach.

17. What does 'shingle-beach' mean?

18. Why does the tree lament?

19. What may reach the unknown land?
        "And the waves gently kissed the classic shore"

20. Name the figure of speech used here.

IV. Explain any one of the following lines with reference to the context.   1x3=3

21. Unto thy honour, Tree, beloved of those
      Who now in blessed sleep for aye repose.

22. How can this shameful tale be told?

V. Answer any one of the following in three or four sentences each: 1x3=3

23. Describe the appearance of Nicola and Jacopo.

24. What are the author's views on China tea?

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

25. Describe the reminiscences of the poet, when she sees the Casuarina tree.

26. How did the presence of Richard Parker influence the attitude of Pi?

I. Choose the most appropriate synonyms of the underlined word from the options given below: 10x1=10

1. He were a shortened army tunic gathered in loose folk.
    a) coat   b) pant   c) dress   d) specs

2. But because the best manner of making it is the subject of violent disputes.
    a) agreements b) applauses c) conflicts d) discussions

Choose the most appropriate antonyms of the underlined word from the options given below:

3. There is also the mysterious social etiquette.
    a) apparent b) inexplicable   c) secretive d) hide

4. They were childish and in many ways artless.
    a) direct   b) complicated   c) honest   d) sincere

Fill in the blanks with suitable homophones or confusables: (1)

5. Banning of plastics had a good _____ on the environment (affect/effect)

Fill in the blanks with the correct form of the verb:

6. Nothing much _____ (happen) when I got to the meeting.

Fill in the blanks with a modal verb using the clues given in the brackets: (1)

7. I tried to climb up the tree, but _____ not.

Fill in the blanks with a quasi verb: (1)

8. You _____ not waste time on it.

Fill in the blanks with the suitable preposition: (1)

9. It is easy to work _____ the aegis of a visionary leader.

Choose the appropriate linker from within the brackets and complete the sentence: (1)

10. _____ (As, If) I got up early, I managed to reach school on time.

II. Do as directed: 2x1=2

11. Passenger: Please give me two tickets to Ambattur. How much
                is it?
    Conductor: Five rupees a ticket.
    Passenger: Okay. Here's ten rupees.
                            (OR)

Fill in the blanks with suitable prepositional phrase:

12. _____ his laziness, the boy remained passive for a long time.

13. _____ , I had a happy childhood.

III. Read the following sets of the poetic line and answer the questions below: 7x1=7

        The wizened warder let them through

14. Bring out the meaning of wizened warder.

15. Write down the words in alliteration.

16. What is a 'wicket gate'?

        "Dear is the casuarinas to my soul:
        Beneath it we have played; though years many roll,
        O sweet companions, loved with love intense:
        For your sakes, shall the tree be ever dear".

17. What is dear to poet's soul?

18. Why does she consider the tree dear to her soul?

19. Who are referred to as 'sweet companions' here?

20. Write down the rhyming words.

IV. Explain any one of the following lines with reference to the context.   1x3=3

21. With deathless trees – like those in Borrowdale.

22. What could they offer us for bait?

V. Answer any one of the following in three or four sentences each: 1x3=3

23. Describe the girl with whom the boys were talking to in the cubicle.

24. Why does the author refer to himself as being in a minority?

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

29. How did the presence of Richard Parker influence the attitude of Pi?

30. Discuss how the essay reveals the factual points and the author's personal opinions on the preparation of tea.

28.08.19   Comprehensive Revision Programme-1 Marks:40
Std:XII[F,G,H][AN]   Accountancy   Time:
I. Answer any five of the following: 5x2=10
1. How will the following appear in the final accounts of vedaranyam sports club?

	Rs.
Opening stock of bat and balls	3,000
Purchase of bats and balls during the year	17,000
Sale of old bats and balls	2,000
Closing stock of bats and balls	4,000

2. How the following items appear in the final accounts of Thoothukudi young Pioneers Association?

There are one hundred members in the association each paying Rs.25 as annual subscription. By the end of the year 10 members had not paid their subscription but four members had paid for the next year in advance.

3. From the following particulars, show how the item 'subscription' will appear in the Income and Expenditure Account for the year ended 31,12.2018.

Subscription received in 2018 is Rs.16,000 which includes Rs.3,000 for 2017 and Rs.5,000 for 2019. Subscription outstanding for the year 2018 is Rs.4,000. Subscription of Rs.2,000 was received in advance for 2018 in the year 2017.

4. Compute income from subscription for the year 2018 from the following particulars relating to a club.

Particulars	1.1.2018	31.12.2018
Outstanding subscription	10,000	7,000
Subscription received in advance	3,000	5,000

Subscription received during the year 2018, Rs.1,50,000

5. How will the following appear in the final accounts of a club for the year 2017-2018?

Particulars	Rs.
Prize fund on 1.4.2017	60,000
Prize fund investment on 1.4.2017	60,000
Interest received on prize fund investment	6,000
Prizes distributed	8,000
Donation received for prize fund	12,000

6. From the following details. Calculate the amount that will be shown as subscription in Income and Expenditure Account for the year ending 31st March, 2017.

Subscription received for	Rs.
2015-2016	7,500
2016-2017	60,000
2017-2018	1,500
	69000

Subscription outstanding for the year 2016-2017 is Rs.2,400
Subscription for 2016-2017 received in 2015-2016 was Rs,1000

II. Answer any four of the following: 4x5=20

7. From the following particulars of Vellore recreation club, prepare receipts and payments account for the year ended 31st March, 2017.

Particulars	Rs.	Particulars	Rs.
Opening cash balance as on 1.4.2016	3,000	Receipts from Entertainment	20,000
Opening bank balance as on 1.4.2016	12,000	Admission fees received	1,000
Furniture purchased	11,000	Municipal taxes	22,000
Sports equipment purchased	11,000	Expenses of charity show	2,000
Donation received for pavilion	8,000	Billiards table purchased	15,000
Sale of old tennis balls	1,500	Construction of new tennis court	18,000
Newspapers bought	5,00		
Travelling Expenses	4,500	Receipts from charity show	2,500
		Closing balance of cash in hand	8,000

8. From the following receipts and payments account of Tenkasi Thiruvalluvar Manram, prepare income and Expenditure account for the year ended 31st March 2019.

Receipts	Rs.	Payments	Rs.
To Balance b/d cash in hand	14,000	By salaries	20,000
To interest received	5,000	By rent	24,000
To subscription	55,000	By travelling Exp	2,000
To Legacies	48,000	By printing and stationary	6,000
To entrance fees	7,000	By investment made	50,000
To sale of furniture (Book value:Rs.17,000)	16,000	By sports equipment	33,000
		By balance c/d cash in hand	10,000
	1,45,000		1,45,000

9. From the following Receipts and payments account of friends football club, for the year ending 31st March 2017, prepare Income and Expenditure Account for the year ending 31st March 2017 and the balance sheet as on that date.

In the books of Friends Football club

Dr
Cr

Receipts and payments account for the year ended 31st March 2017

Receipts	Rs	Rs	Payments	Rs	Rs
To balance b/d			By furniture		7,000
Cash	1,000				
Bank	10,000	11,000			
To subscriptions		5,000	By sports materials purchased		800
To legacies		6,000	By special dinner expenses		1,500
To collection for special dinner		2,000	By electricity charges		900
			By balance c/d		
			Cash in hand	1,800	13800
			Cash at bank	12000	
		24000			24000

Additional information:
(i) The club had furniture of Rs.12,000 on 1st April 2016, ignore depreciation on furniture
(ii) Subscription outstanding for 2016-2017, Rs.600
(iii) Stock of sports materials on 31.03.2017, Rs.100
(iv) Capital fund as on 1st April 2016 was Rs.23,000

10. Compute capital fund of Salem sports club as on 01.04.2019

Particulars	Rs.	Particulars	Rs.
Sports equipments	30,000	Prize fund	10,000
Computers	25,000	Prize fund	10,000
Subscription outstanding for 2018-2019	5,000	investments	7,000
		Cash in hand	21,000
		Cash at bank	
Subscription received in advance for 2019-2020	8,000		

11. From the following receipts and payments account and from the information given below of Ramanathapuram sports club, prepare income and expenditure account for the year ended 31st December, 2018 and the balance sheet as on that date.

Dr   Cr

Receipts and payments account for the year ended 31st December 2018

Receipts	Rs.	Rs.	Payments	Rs.	Rs.
To Balance b/d			By Rent		11,000
Cash in hand	5,000				
Cash at bank	10.000	15,000	By entertainment expenses		11,200
To subscription					
2017	12,000				
2018	33,000				
2019	16,000	61,000	By furniture		10,000
To entrance fee		6,000	By sports materials purchased		13,000
To general donations		7,000	By match expenses		12,000
To sale of old sports materials		1,000	By investments made		28,000
To miscellaneous receipts		500	By balance c/d		
			Cash in hand	1300	
			Cash at bank	4000	5300
		90,500			90,500

Additional information:

(i) Capital fund as on 1st January 2018, Rs.30,000
(ii) Opening stock of sports material Rs.3,000 and closing stock of sports material Rs.5,000

III. Answer any one of the following: 1x10=10
12. Following is the receipts and payments account of Salem recreation club for the year ended 31st March 2019.

Dr   In the books of Salem Recreation club   Cr
Receipts and payments account for the year ended 31st March 2019

Receipts	Rs.	Rs.	Payments	Rs.
To balance b/d cash in hand		9,000	By furniture	15,000
To subscriptions			By stationery	2,400
			By investment	12,500
2018-2019	12500		By Postage	1,000
2019-2020	400	12,900	By Balance c/d	
To proceeds			Cash in hand	3,500
from		12,000		
entertainments		500		
To sundry		34,400		34,400
receipts				

Additional information:
1. There are 450 members each paying annual subscription of Rs.30
2. Stock of stationery on 31st March 2018, Rs.300 and on March 31, 2019 Rs.300 and on March 31, 2019 Rs.500
3. Capital fund as on 1st April 2018 was Rs.9,300. Prepare income and expenditure account for the year ended 31st March, 2019 and the balance sheet as on that date.

13. From the following receipts and payments account of Coimbatore cricket club for the year ending 31st March 2016, prepare income and expenditure account for the year ending 31st March 2016 and a balance sheet as on that date.

Dr   In the books of Coimbatore Cricket Club   Cr
Receipts and payments account for the year ending 31st March 2016

Receipts	Rs.	Payments	Rs.
To Balance b/d		By maintenance	5,000
Cash at bank	8,000	By furniture	15,000
To subscriptions	11,000	By Tournament expenses	1,400
To sale of old bats and balls	100	By secretary's honorarium	4,500
To subscription for tournament	2,000	By bats and balls	7,400
		By balance c/d	7,800
To Legacies	20,000	Cash at bank	
	41,100		41,100

Additional information:
        On 1st April, 2015 the club had stock of bulls and bats Rs.3,000 and an advance subscription of Rs.500. Surplus on account of tournament should be kept in reserve for permanent pavilion. Subscription due to 31.03.2016, was Rs.2,000. Stock of bats and balls on 31.03.2016 was Rs.1,000.

28.08.19   Comprehensive Revision Programme -1   Marks: 30
STD: XII-J (AN)   தமிழ்   Time: 1 Hr

I. சரியான விடையளி:   2× 1 =2

1. கடலின் பெரியது _____.
      அ) உற்ற காலத்தில் செய்த உதவி
      ஆ) பயன் ஆராயாமல் ஒருவர் செய்த உதவி
      இ) திணையளவு செய்த உதவி

2. இவற்றை வாயிலுக்கே சென்று இன்முகத்துடன் வரவேற்பாயாக என்று
   ஜலாலுத்தீன் குறிப்பிடுவது
      அ) வக்கிரம்   ஆ) அவமானம் இ) வஞ்சனை   ஈ) இவை அனைத்தும்

II. ஏதேனும் ஒன்றனுக்குப் புணர்ச்சி விதி தருக: 1× 2 =2

3. அருங்காளம்   4. மீனொன்று

III. ஏதேனும் இரண்டனுக்குப் பிரித்துப் பகுபத உறுப்பிலக்கணம் தருக:2× 1 =2

5. தந்தனன்   6. போலிந்தான்   7. போற்றி

IV. வல்லின மெய்களை இட்டும் நீக்கியும் எழுதுக: 2× 1 =2

8. நம் வாழ்க்கையின் தரம் நமது கவனத்தின் தரத்தை பொறுத்திருக்கிறது.
புத்தகம் படிக்கும் பொழுது கூர்ந்தக் கவனம் அறிவை பெறுவதற்கும்
வளர்ப்பதற்குமான அடிப்படை தேவையாகும்.

9. அமாவாசை காலத்தில் ஒன்றாக இணைந்திருக்கிறச் சந்திரனையும்
சூரியனையும் ஒத்து இருந்தார்கள்.

V. பொருத்தமான வேற்றுமை உருபுகளைச் சேர்த்து முறையான தொடர்களாக
   ஆக்குக: 2× 1 =2

10. அனைவர் அன்பு அழைத்தவன் துன்பம்
    யார் மனம் வரும்.

VI. பின்வரும் வினாக்களுள் எவையேனும் இரண்டனுக்குக் குறுவிடை தருக:

11. மறக்கக் கூடாதது, மறக்கக் கூடியது எவற்றை?
12. சினத்தை ஏன் காக்க வேண்டும்?
13. நிலையாமை குறித்து, சவரி உரைக்கும் கருத்து யாது?

VII. பின்வரும் வினாக்களுள் ஏதேனும் ஒன்றனுக்குச் சிறுவிடை தருக1× 4 =4

14. "வருபவர் எவராயினும் நன்றி செலுத்து" இடஞ்சுட்டிப் பொருள் விளக்குக.
15. இல்வாழ்க்கை சிறப்புற அறநெறியோடு வாழ்தலின் முக்கியத்துவத்தை
வள்ளுவர் வழி நின்று விளக்குக.

VIII. பின்வரும் வினாக்களுள் ஏதேனும் ஒன்றனுக்கு நெடுவிடை தருக: (6)
16. சினத்தைக் காத்தல் வாழ்வை மேன்மைப்படுத்தும் - இக்கூற்றை முப்பால்
வழி விரித்துரைக்க.

17. குடும்பம் என்னும் சிறிய அமைப்பிலிருந்தே மனித சமூகம் என்னும் பரந்த
அமைப்பு கட்டமைக்கப்படுகிறது - எவ்வாறு? விளக்குக.

IX. அடிபிறழாமல் எழுதுக: 4 + 2 =6
18. துன்பு உளது எனின் …........ எனத் தொடங்கும் கம்பராமாயணப் பாடலை
பிழையின்றி எழுதுக.

19. சினம் …..எனத் தொடங்கும் குறளை எழுதுக

28.08.19   Comprehensive Revision Programme-1   Marks:40
Std:XII [F,G] FN   Commerce   Time: 45mins

I. Choose the correct answer: 5x1=5

1. Which is the first step in process of MBO?
 a. fixing key result area.   b. Appraisal of Activities
 c. Matching Resources with Activities d. Defining organisational objectives

2. Systematic evaluation of performance is made with the help of____.
 a. MBD   b. MBE   c. MBA   d. MBM

3. Improves skill levels of employees to ensure better job performance.
 a. Training   b. Selection
 c. Recruitment   d. Performance appraisal

4. Case study method is _____ type of trainee.
 a. Only theoretical training   b. Hands on training
 c. Abservation training   d. Both theory and practical training.

5. Vestibule training is provided _____.
 a. On the job
 b. In the class room
 c. By the Commitee
 d. In a situation similar to actual working environment

II. Answer any four out of the following: 4x2=8
 6. Define MBO.
 7. What are the ojectives of MBO?
 8. What is meant by mentoring training method?
 9. State e-learning method.
 10. What is coaching method?
 11. Who is the trainee?

III. Answer any four of the following: 4x3=12
 12. What is vestibule training?
 13. Write down various steps in training programmer.
 14. Explain field trip method.
 15. Write features of MBO.
 16. Explain any 3 process of MBO.
 17. Discuss the disadvantages of MBE.

IV. Answer any 3 of the following: 3x5=15
 18. Explain any 5 methods of on the job training.
 19. Explain the advantages of MBE.
 20. Explain the off the job training methods.
 21. Explain the advantages of MBO.

1. निम्नलिखित वैकल्पिक प्रश्नों के उत्तर दीजिए: 10×1=10

(I) हरिऔंध ने _____ में खड़ी बोली में लिखना शुरू किया ।

   (क) द्विवेदी युग   (ख) भारतेन्दु युग

(II) ललित कला में सबसे ऊँचा स्थान _____ का है ।

   (क) काव्य कला   (ख) चित्रकला

(III) _____ कला द्वारा मनुष्य की आवश्यकता की पूर्ति होती है

   (क) उपयोगी   (ख) ललित

(IV) कृष्ण के प्रेम में रमने के बाद मनुष्य अधिक _____ हो जाते हैं ।

   (क) भाग्यवान   (ख) निर्मल

(V) वृषभानुजा का अर्थ _____ है ।

   (क) बैल का बेटा (ख) बैल की बहन

(VI) गोरज बीच _____ लगते थे ।

   (क) धूल - धूसरित (ख) नलिनीश

(VII) श्री कृष्ण की छटा _____ काव्य से ली गई है ।

   (क) प्रियप्रवास   (ख) सुरति चौपई

(VIII) व्रज की जनता _____ के समय अति कौतूहल से कृष्ण दर्शन के लिए जमा होते थे ।

   (क) सुबह   (ख) शाम

(IX) बिहारी के दोहे के कवि _____ है ।

   (क) बिहारीलाल (ख) कबीरदास

(X) बिहारी द्वारा लिखे गये काव्य का नाम _____ है ।

   (क) बिहारी सतसई (ख) बिहारी-बिहार

2. निम्नलिखित प्रश्नों के उत्तर लिखिये :- 5×2=10

(i) श्री कृष्ण की व्रज के लोग कैसे निहारते थे ?

(II) बिहारीलाल किस वैश्य के कृष्ण जी मन में बस जाने की कामना करते हैं ?

(III) सुन्दरता का आधार क्या है ?

(IV) बिहारी के दोहे से कोई एक दोहा लिखिये ?

(V) मानसिक विकास की कला क्या है ? भयो ?

3. निम्नलिखित प्रश्नों के उत्तर लिखिए ; 5×2=10

(i) वाक्य में प्रयोग कीजिए — वशीभूत होना , सुचारू रूप

(ii) शुद्ध कीजिये — (क) बड़ों की आदर करो । (ख) मुझे तीन भाई हैं ।

(III) समास विग्रह कर नाम लिखिए — (क) देशभक्ति , (ख) नवरागी

(IV) पारिभाषिक शब्द : Inspection , Utilisation, Income tax , Reservation .

(V) समस्त पद बनाइए — राजा का पुरुष , कमल के समान नयन

4. चालू खाता खोलने की प्रार्थना करते हुए पत्र लिखिए । 1×5=5

5. अहिंसा परमोधर्म या समाज सुधार के महत्व पर निबन्ध लिखिए ।

————— × —————

28.08.19   Comprehensive Revision Programme -1   Marks: 40

STD: XII-E (AN)   Physics   Time: 1.15 Hrs

I. Choose the correct answer: 5x1=5

1. The rms value of the alternating current (AC) flowing through a resistor is 5A. Its peak value is _____.

    a) 3.536A   b) 70.7A   c) 7.07A   d) 7A

2. In a transformer, eddy current loss is minimised by using

_____.

    a) laminated core made of mumetal

    b) laminated core made of stelloy

    c) shell type core   d) thick copper wires

3. The flux linked with a coil at any instant(t) is given by $P_B = 10t^2 - 50t + 250$. The induced emf at t=3s is _____.

    a) -190v   b) -10v   c) 10v   d) 190v

4. $\frac{20}{\pi^2}$ H inductor is connected to a capacitor of capacitance C. The value of C in order to impart maximum power at 50Hz is _____.

    a) $50\mu F$ b) $0.5\,\mu F$ c) $500\,\mu F$ d) $5\,\mu F$

5. In a series resonant RLC circuit, the voltage across 100Ω resistor is 40V. The resonant frequency ω is 250 rad/sec. If the value of C is $4\,\mu F$, then the voltage across is _____.

    a) 600V   b) 4000V   c) 400V   d) 1V

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

6. Define power factor.

7. What are LC oscillations?

8. Difference between step up and step down transformers.

9. Write any 3 advantages of AC over DC.

10. Define Q-factor.

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

11. Derive RMS value of AC.

12. Obtain an expression for Average power over a cycle.

13. The horizontal component and vertical component of earth's magnetic field at a place are 0.15G and 0.26G respectively. Calculate the angle of dip and resultant magnetic field.

14. Explain Wattfull and Wattless current.

15. Show that the total energy is conserved during LC oscillations

16. An electron moving perpendicular to a uniform magnetic field 0.500 T undergoes circular motion of radius 2.80mm. What is the speed of electron?

IV. Answer any 3 in detail: 3x5=15

17. Briefly explain the construction and working of transformer with suitable diagram.

18. Find out the phase relationship between current and voltage for the pure inductive and pure capacitive circuit.

19. The resistance of a moving coil galvanometer is made twice its original value in order to increase current sensitivity by 50% will the voltage sensitivity change? If so, by how much?

20. Explain the various losses in a transformer.