

I. Choose the correct answer: 5x1=5

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

- a.  $50\mu\text{F}$     b.  $0.5\mu\text{F}$     c.  $500\mu\text{F}$     d.  $5\mu\text{F}$

2. In a series RL circuit the resistance and inductive reactance are the same. Then the phase difference between the voltage and current in the circuit is \_\_\_\_.

- a.  $\frac{\pi}{4}$     b.  $\frac{\pi}{2}$     c.  $\frac{\pi}{6}$     d. zero

3. A step down transformer reduces the supply voltage from 220V to 11V and increase the current from 6A to 100A. Then its efficiency is \_\_\_\_.

- a. 1.2    b. 0.83    c. 0.12    d. 0.9

4. For an RLC circuit the value of power factor is \_\_\_\_.

- a. 1    b. 0    c. 0    d. between 0 and 1

5. When an electric power is transmitted at low voltage, the power loss is \_\_\_\_.

- a. increase    b. decrease    c. constant value    d. all the above

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

6. Suppose a cyclotron is operated to accelerate protons with a magnetic field of strength  $IT$ . Calculate the frequency in which the electric field between two Dees could be reversed.

7. What are phasors?

8. What do you mean by resonant frequency?

9. Define wattless current.

10. Define power factor.

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

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

12. Obtain an expression for average power of over a cycle. Discuss its special cases.

13. Explain Rms value for AC.

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

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

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

1. The coil of a moving coil galvanometer has 5 turns and each turn has an effective area of  $2 \times 10^{-2} \text{m}^2$ . It is suspended in a magnetic field whose strength is  $4 \times 10^{-2} \text{Wbm}^{-2}$ . If the torsional constant  $k$  of the suspension fibre is  $4 \times 10^{-9} \text{Nmdeg}^{-1}$

- find its current sensitivity in degree per-micro-ampere
- calculate the voltage sensitivity of the galvanometer for it to have full scale deflection of 50 divisions for 25mv
- Compute the resistance of the galvanometer

2. Briefly explain the construction and working of the transformer.

3. Derive an expression for phase angle between the applied voltage and current in a series RLC circuit.

4. Explain the various losses in a transformer.

30.08.19 Comprehensive Revision Programme-1 Marks:40  
Std:XII-H [FN] Commerce Time:1.15 Hrs

- I. Choose the correct answer: 5x1=5
1. Delegation of authority is easily done with the help of \_\_\_\_\_.  
a. MBM                      b. MBE                      c. MBO                      d. MBA
  2. MBE has \_\_\_\_ application.  
a. General business                      b. Business intelligence  
c. Both a & b                      d. None of these
  3. Off the job training is given \_\_\_\_\_.  
a. In the class room                      b. On off days  
c. Outside the factory                      d.
  4. Vestibule training is provided \_\_\_\_\_.  
a. On the job                      b. In the class room  
c. In a situation similar to actual working environment  
d. By the committee
  5. Elaborate discussion on specific topic comes under \_\_\_\_ method of training.  
a. conferences    b. coaching    c. under study    d. Counseling
- II. Answer any 4 of the following: 4x2=8
6. What is MBE?
  7. Write two importance of MBE.
  8. What is meant by training?
  9. Define training.
  10. What are the various methods of on the job training.
  11. What is meant by mentioning training method?
- III. Answer any four of the following: 4x3=12
12. Write short note on trainer and trainee?
  13. What do you mean by on the job training?
  14. Write various methods of the job training.
  15. Write the objectives of MBO.
  16. Draw the sketch on various steps in training programme.
  17. List out the process of MBO.
- IV. Answer any three of the following: 3x5=15
18. Explain any 5 off the job training method.
  19. What are the advantages of MBE?
  19. Difference between on the job training and off the job training.
  20. Explain the benefits to the employees and customer of training.

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

- I. Choose the correct answer: 5x1=5
1. Financial market facilitates business firms \_\_\_\_\_.  
a. to rise funds                      b. to recruit workers  
c. minimize fund requirement                      d. to make more sales
  2. Point out the wrong statement in the following statement.  
a. Debt market is the financial market for trading in Debt Instrument.  
b. Money market is the market for Medium term financial claim. (usually five year or less)  
c. Capital market is the market for long term financial claim more than a year.  
d. Secondary market is the market for securities that are already issued.
  3. How many times a security can be sold in a secondary market?  
a. only one time                      b. two time  
c. three times                      d. multiple times
  4. Stock Exchange Market is also called \_\_\_\_\_.  
a. Spot Market                      b. Local Market                      c. Security Market  
d. National Market
  5. The marketer initially wants to know in the marketing is \_\_\_\_\_.  
a. qualification of the customer                      b. needs of the customer  
c. background of the customer                      d. quality of the product
- II. Answer any four out of the following: 4x2=8
6. What is meant by commodity market?
  7. Mention any four differences between wholesale market and retail market.
  8. Define marketer.
  9. Write a note on OTCEI.
  10. How is price decided in a secondary market?
  11. What are the components of organised sectors?
- III. Answer any four of the following: 4x3=12
12. Mention and explain any three roles of marketer.
  13. Explain the types of market on the basis of transaction.
  14. Explain the types of market on the basis of commodities/goods.
  15. Explain the types of market on the basis of Regulation.
  16. Ideas, information and organisations can be marketed. Explain.
  17. List down the functions of market.
- IV. Answer the following: 3x5=15
18. What are the functions of financial markets?
  19. Discuss the role of financial market.
  20. Discuss the various types of financial market.
  21. What is your contribution to promote the market in the modern society?

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

- I. Choose the correct answer:  $5 \times 1 = 5$
- Which kind of isomerism is possible for a complex  $[\text{CO}(\text{NH}_3)_4\text{Br}_2]\text{Cl}$ 
    - geometrical and ionisation
    - geometrical and optical
    - optical and ionization
    - geometrical only
  - Crystal field stabilization energy for high spin  $d^5$  octahedral complex is
    - $-0.6\Delta_0$
    - 0
    - $2(P-\Delta_0)$
    - $2(P+\Delta_0)$
  - Oxidation state of Iron and the charge on the ligand NO in  $[\text{Fe}(\text{H}_2\text{O})_5\text{NO}]\text{SO}_4$  are
    - +2 and 0
    - +3 and 0
    - +3 and -1
    - +1 and +1
  - Consider the following statements and identify the incorrect statement(s).
    - $\text{CN}^-$  is a powerful ligand.
    - Haemoglobin is a monomer and myoglobin is a tetramer.
    - Cis  $-\text{Pt}(\text{NH}_3)_2\text{Cl}_2$  is an anti tumour drug.
      - only (i)
      - only (ii)
      - only (iii)
      - both (i) and (iii)
  - The coordination polyhedron of the complex  $[\text{Cr}(\text{H}_2\text{O})_6]\text{Cl}_3$  is
    - square planar
    - tetrahedral
    - trigonal
    - octahedral
- II. Answer any 5 of the following:  $5 \times 2 = 10$
- What is co-ordination number?
  - Draw the two isomers of  $\text{CO}_2(\text{CO})_8$ .
  - Why tetrahedral complexes do not exhibit geometrical isomerism?
  - Classify the following ligand on the number of atoms.
    - $\text{NH}_3$
    - en
    - $\text{OX}^{3-}$
    - Pyridine
  - What is crystal field splitting energy?
  - Draw the figure to show splitting of d-orbitals in an octahedral crystal field.
- III. Answer any 5 of the following:  $5 \times 3 = 15$
- Differentiate double salt and complex salt.
  - On the basis of VB theory explain the nature of bonding in  $[\text{CO}(\text{C}_2\text{O}_4)_3]^{3-}$

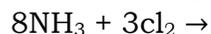
- Give the IUPAC names of the complexes
    - $\text{K}_4[\text{Fe}(\text{CN})_6]$
    - $[\text{Ag}(\text{NH}_3)_2]^{2+}$
    - $[\text{CO}(\text{en})_2\text{Cl}_2]\text{Cl}$
  - Most of the transition metal complexes are coloured. Justify your answer.
  - Prove that  $[\text{Fe}(\text{CN})_6]^{3-}$  is paramagnetic by using VB theory.
  - What are metal carbonyls? Explain the classification of metal carbonyls based on the number of metal atoms present.
- IV. Answer any 2 in detail:  $2 \times 5 = 10$
- Write a short note on bonding in metal carbonyls with neat diagram.
  - Prove that  $[\text{Ni}(\text{CN})_4]^{2-}$  is diamagnetic while  $[\text{NiCl}_4]^{2-}$  is paramagnetic by using crystal field theory.
  - Give the postulates of Werner's theory.

I. Choose the correct answer: 5x1=5

- Which one of the following statements is correct?
  - The bond dissociation energy fluorine is less than chlorine
  - Pene HBr can be prepared by treatment of NaBr with conc.H<sub>2</sub>SO<sub>4</sub>
  - Hydrazine (N<sub>2</sub>H<sub>4</sub>) is stronger base than NH<sub>3</sub>
  - H<sub>25</sub> is weaker acid than H<sub>2</sub>O.
- The correct order of reactivity of Aalogenis
  - F>Br>cl>I
  - F>cl>Br>I
  - I>Br>cl>F
  - Br>cl>F>I
- Sea divers go deep in sea water with a mixture of following gases?
  - O<sub>2</sub> & Ar
  - O<sub>2</sub> & He
  - CO<sub>2</sub> & Ar
  - O<sub>2</sub> & CO<sub>2</sub>
- The oxidatic state of perhalic acid is
  - +7
  - +2
  - +3
  - +5
- Sodium per xenate is known for its \_\_\_\_\_ property.
  - Oxidation
  - Reduction
  - Ionisation
  - Both a & b

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

- List the uses of Krypton & Xenon.
- List the oxoacids of Halogen with their oxidation state.
- What is displacement reactions?
- Mention the test to identify Sulphate radical.
- Complete the equation:



- Write the properties of Inter Halogen compound.

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

- Write the oxoacids of Sulphur with their molecular formula and structure (any 5)
- Explain how chlorine acts as a bleaching agent.
- Complete the equations:
  - $5\text{XeO}_6^{4-} + 2\text{Mn}^{2+} + 14\text{H}^+ \rightarrow$
  - $2\text{HBr} + \text{H}_2\text{SO}_4 \rightarrow$
  - $\text{Pt} + 8\text{H}^+ + 4\text{NO}_3^- + 6\text{cl}^- \rightarrow$

- Differentiate the properties of chlorine and fluorine.

16. What is aquaregia? Mention its uses.

17. How are the following prepared?

- XeF<sub>2</sub>
- XeF<sub>4</sub>
- XeF<sub>6</sub>

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

- Briefly outline the structure of InterHalogen based on VSEPR theory
  - AB type
  - AB<sub>3</sub> type
  - AB<sub>5</sub> type
  - AB<sub>7</sub> type
- Outline the manufacture of chlorine by Electrolytic and Deacon's process.
- Why Fluorine is more reactive than other halogens? (2½)
  - Suggest a reason why HF is a weak acid whereas binary acids of the all other halogens are strong acid.

I. Choose the correct answer:

5x1=5

1. A commercial bank is an institutions that provides services
  - a. accepting deposits b. providing loans c. both a and b
2. Bank rate means \_\_\_\_\_.
  - a. Exchange rate
  - b. Re-discounting the first class securities
  - c. Growth rate
3. ARDC started functioning from
  - a. July3, 1963 b. June 3, 1969 c. July 1, 1963
4. Banks issue traveler's cheques to
  - a. group of people b. family c. individual
5. Commercial banks are institutions that conduct business \_\_\_\_\_.
  - a. with profit motive
  - b. by accepting the deposits
  - c. all the above

II. Answer the following in a sentences: [Any 4]

4x2=8

1. What is credit creation?
2. Define commercial banks.
3. Name the two ways of deposits that the modern banks create?
4. What are the two credit measures of RBI?
5. What is rationing of credit?
6. What is CRR?

III. Answer the following questions in one paragraph: 4x3=12

1. Give a brief note on NBFI.
2. Specify the functions of IFCI.
3. Mention the objectives of demonetizations.
4. Distinguish between NEFT and RTGS.
5. List the role of commercial bank.
6. Explain the classifications NBFI.

IV. Answer the following:

3x5=15

1. What are the objectives of ARDC? Explain.
2. Describe the functions of Reserve Bank of India.
3. Elucidate the functions of commercial banks.
4. Distinguish between money market and capital market.

I. Choose the correct answer:

5x1=5

1. Monetary policy his formulated by \_\_\_\_\_.
  - a. central bank b. commercial banks c. foreign banks
2. EXIM bank was established in \_\_\_\_\_.
  - a. April 1982 b. March 1982 c. May 1982
3. Online Banking is also known as \_\_\_\_\_.
  - a. internet banking b. E-banking c. NEFT
4. The minimum amount for RTGS transfer is \_\_\_\_\_.
  - a. 2 lakhs b. 2.5 lakhs c. 3 lakhs
5. \_\_\_\_\_ does not have banking licence.
  - a. RRB b. SBI c. NBFI

II. Answer the following: [Any 4]

4x2=8

1. Write the meaning of Open Market Operations.
2. Explain SLR.
3. What is Money Supply?
4. Define Monetary Policy.
5. What is Non-Bank Financial Institution?
6. Define Time Deposits.

III. Answer the following: [Any 4]

4x3=12

1. Write the mechanism of credit creation by commercial banks.
2. Bring out the methods of credit control.
3. Explain about Agricultural Refinance Development Corporation. (ARDC)
4. What is Repo Rate? Explain it.
5. Explain the role of RBI in agricultural credit.
6. What are the functions of NABARD.

IV. Answer the following: [Any 3]

3x5=15

1. Distinguish between RTGS and NEFT.
2. Describe the functions of Reserve Bank of India.
3. Explain Reserve Bank of India and Industrial Finance.
4. Explain the functions of commercial banks.

I. Answer the following:

1. Priya and Kavitha are parents. Priya draws Rs.4000 at the end of each quarter. Interest on drawings is chargeable at 6% p.a. Calculate interest on drawings for the year ended 31<sup>st</sup> Dec 2018 using average period.

2. Murali and Sethu are partners in a firm. Murali is to get a commission of 10% of Net Profit before charging any commission. Sethu is to get a commission of 10% on Net Profit for the year ended 31<sup>st</sup> mar 2019 before charging any commission was Rs.1,10,000. Find the amount of commission due to Murali and Sethu.

3. For the purpose of admitting a new partner a firm has decided to value its goodwill at 3 years of purchase of the average profit of the last 4 years. Using weighted average method. Profit of the 4 past years and the respective weights are as follows.

Particulars	2015	2016	2017	2018
Profit (Rs)	20,000	22,000	24,000	28,000
Weight	1	2	3	4

4. The profits and losses of a firm for the last 4 years were as follows:  
 2015: Rs 15,000;                      2016: Rs 17000;  
 2017: Rs 6,000(loss);                      2018: Rs 14,000

You are required to calculate the amount of goodwill on the basis of 5 years Purchase of average profit of the last 4 years.

5. Mathew is a Partner who withdrew Rs 20,000 during the year 2018. Interest on drawings charged at 10% per annum. Calculate Interest on drawings on 31<sup>st</sup> Dec 2018.

Part-B

II. Answer the followings:

6. Akash, Bala, Chandru and Daniel are partners in a firm. there is no partnership deed. How will you deal with the following?

- Akash has contributed maximum capital. He demands on capital @10% per annum.
- Bala has withdrawn Rs.3,000 per month other partners ask Bala to pay interest on drawings @ 8% per annum to the firm. But bala did not agree to it.
- Akash demands the profit to be shared in the capital Ratio. But others do not agree.
- Daniel demands salary at the rate of Rs 10,000 per month as he spends full time for the business.
- Loan advanced by chandru to the firm is Rs 50,000. He demands interest on loan @12 % per annum.

7. Kumar is a partner in a partnership firm. As per the Partnership deed. interest on drawings is charged at 6% per annum. During the year ended 31<sup>st</sup> Dec 2018. he withdraw as follows:

Date	Rs
March 1	4,000
June 1	4,000
September 1	4,000
December 1	4,000

Calculate the amount of interest on drawings.

8. Dinesh and Sugumar entered into a partnership agreement on 1<sup>st</sup> January 2018, Dinesh contributing Rs 1,50,000 and Sugumar Rs1,20,000 as capital. The agreement provided that:

- Profit and losses to be shared in the ratio 2:1 as between Dinesh and Sugumar.
- Partners to be entitled to interest on Capital @4% p.a.
- Interest on drawings to be charged Dinesh: Rs 3,600 and Sugumar: Rs 2,200.
- Dinesh to receive a salary of Rs 60,000 for the year, and
- Sugumar to receive a commission of Rs 80,000

During the year ended on 31<sup>st</sup> dec 2018, the firm made a profit of Rs 2,20,000 before adjustment of interest, salary and commission.

Prepare the profit and loss appropriation A/C.

9. Antony and Akbar were partners who share profits and losses in the ratio of 3:2. Balance in their capital account on 1<sup>st</sup> January 2018 was Antony Rs 60,000 and Akbar Rs 40,000. On 1<sup>st</sup> April 2018 Antony introduced additional capital of Rs 10,000. Akbar introduced additional capital of Rs 5,000 during the year. Calculate interest on capital at 6% P.a. For the year ending 31<sup>st</sup> Dec 2018.

10. Calculate the value of Goodwill at 5 years purchase of super profit from the following information.

- Capital Employed: Rs 1,20,000.
- Normal rate of profit: 20%.
- Net profit for 5 Years:
 

2014:	Rs 30,000
2015:	Rs 32,000
2016:	Rs 35,000
2017:	Rs 37,000
2018:	Rs 40,000

d) Fair remuneration to the partners Rs.2,800 Per annum.

11. From the following information. Find out the value of Goodwill by Capitalisation method:

- Average profit Rs 20,000.
- Normal rate of return 10%.
- Tangible assets of the firm Rs 2,20,000.
- Liabilities of the firm Rs 70,000.

I. Choose the correct answer:

- The value of  $\sin^{-1}(\cos x)$ ,  $0 \leq x \leq \pi$  is \_\_\_\_\_  
a)  $\pi - x$  b)  $x - \frac{\pi}{2}$  c)  $\frac{\pi}{2} - 2$  d)  $\pi + x$
- If  $\sin^{-1}x = 2\sin^{-1}\alpha$  has a solution, then \_\_\_\_\_  
a)  $|\alpha| \leq \frac{1}{\sqrt{2}}$  b)  $|\alpha| \geq \frac{1}{\sqrt{2}}$  c)  $|\alpha| < \frac{1}{\sqrt{2}}$  d)  $|\alpha| > \frac{1}{\sqrt{2}}$
- $\sin^{-1}(\cos x) = \frac{\pi}{2} - x$  is valid for \_\_\_\_\_  
a)  $-\pi \leq x \leq 0$  b)  $0 \leq x \leq \pi$  c)  $\frac{-\pi}{2} \leq x \leq \frac{\pi}{2}$  d)  $\frac{-\pi}{4} \leq x \leq \frac{3\pi}{4}$
- If  $\cot^{-1}x = \frac{2\pi}{5}$  for some  $x \in \mathbb{R}$  the value of  $\tan^{-1}x$  is \_\_\_\_\_  
a)  $\frac{-\pi}{10}$  b)  $\frac{\pi}{5}$  c)  $\frac{\pi}{10}$  d)  $\frac{-\pi}{5}$
- $\tan^{-1}x + \cot^{-1}x =$  \_\_\_\_\_  
a) 1 b)  $-\pi$  c)  $\frac{\pi}{2}$  d)  $\pi$

II. Answer the following: [Any 4]

4x2=8

- Q.No.10 is compulsory
- Find the value of  $\sin^{-1}(\cos \pi)$  if it exists.
  - Find the value of  $\tan(\tan^{-1} 1947)$
  - State the reason for  $\cos^{-1}\left(\cos \frac{-\pi}{6}\right) + \frac{-\pi}{6}$
  - Find the domain of  $f(x) = \sin^{-1}\left(\frac{x^2+1}{2x}\right)$
  - Find the value of  $\sin^2\left(\tan^{-1}\frac{3}{4}\right)$

III. Answer the following: [Any 4]

4x3=12

- Q.No.15 is compulsory
- Prove that  $\frac{\pi}{2} \leq \sin^{-1}x + 2\cos^{-1}x \leq \frac{3\pi}{2}$
  - Find the value of  $\tan\left(\cos^{-1}\left(\frac{1}{2}\right) - \sin^{-1}\left(\frac{-1}{2}\right)\right)$
  - Prove that  $\tan^{-1}\frac{1}{2} + \tan^{-1}\frac{1}{3} = \frac{\pi}{4}$
  - Solve  $\sin^{-1}x > \cos^{-1}x$
  - Solve  $\tan^{-1}2x + \tan^{-1}3x = \frac{\pi}{4}$

IV. Answer the following: [Any 3]

3x5=15

- Simplify  $\tan^{-1}\frac{x}{y} - \tan^{-1}\frac{x-y}{x+y}$
- Find the value of  $\cos^{-1}\left(\cos\left(\frac{4\pi}{3}\right)\right) + \cos^{-1}\left(\cos\left(\frac{5\pi}{4}\right)\right)$
- Find the value of  $\tan^{-1}(-1) + \cos^{-1}\left(\frac{1}{2}\right) + \sin^{-1}\left(\frac{-1}{2}\right)$
- Prove that  $\sin^{-1}\frac{3}{5} - \cos^{-1}\frac{12}{13} = \sin^{-1}\frac{16}{65}$

I. உரிய விடையைத் தேர்ந்தெடுத்து எழுதுக:

- பொருத்துக:  
அ) வையத்துள் வாழ்வாங்கு வாழ்வவன் - 1) சேர்ந்தாரைக் கொல்லி  
ஆ) பயன் தூக்கார் செய்த உதவி - 2) ஞாலத்தின் மாணப்பெரிது  
இ) சினம் - 3) தெய்வத்துள் வைக்கப்படும்  
ஈ) காலத்தினாற் செய்த நன்றி - 4) நன்மை கடலின் பெரிது  
அ) 4, 3, 2, 1 ஆ) 3, 4, 1, 2 இ) 1, 2, 3, 4 ஈ) 2, 3, 4, 1
- இவற்றை வாயிலுக்கே சென்று இன்முகத்துடன் வரவேற்பாயாக என்று ஐலாலுத்தீன் ரூமி குறிப்பிடுவது  
அ) வக்கிரம் ஆ) அவமானம் இ) வஞ்சனை ஈ) இவை அனைத்தும்

II. புணர்ச்சி விதி தருக: (ஏதேனும் ஒன்று)

1x2=2

- திருக்குறள் 4. அருங்கானம்

III. ஏதேனும் ஒன்றனுக்குப் பிரித்துப் பகுபத உறுப்பிலக்கணம் தருக: 1x2=2

- தந்தனன் 6. சூழ்வான்

IV. வல்லின மெய்களை இட்டும் நீக்கியும் எழுதுக:

2x1=2

- என்னுடைய நம்பிக்கை முழுவதுமே புதியத் தலைமுறை மீதுதான்; அவர்கள் எல்லா பிரச்சனைகளையும் ஒரு சிங்கத்தை போல எதிர்கொண்டுத் தீர்ப்பார்கள்.

8. சங்க சமூகம் குடும்பம் என்ற அமைப்பை அடிப்படை அலகாக கொண்டிருந்த நிலையை சங்க இலக்கியங்கள் காட்டுகின்றன.

V. பொருத்தமான வேற்றுமை உருபுகளைச் சேர்த்து முறையான தொடர்களாக ஆக்குக: 2x1=2

- மாறன் பேச்சுத்திறன் யார் வெல்ல முடியும்
- அனைவர் அன்பு அழைத்தவன் துன்பம் தர யார் மனம் வரும்

VI. பின்வரும் வினாக்களுள் எவையேனும் இரண்டனுக்குக் குறுவிடை தருக:

- புக்கில், தன்மனை - சிறுகுறிப்பு எழுதுக. 2x2=4
- ஞாலத்தின் பெரியது எது?
- கம்பர் குறிப்பு வரைக.

VII. பின்வரும் வினாக்களுள் ஏதேனும் ஒன்றனுக்குச் சிறுவிடை தருக: 1x4=4

- இல்வாழ்க்கை சிறப்புற அறநெறியோடு வாழ்தலின் முக்கியத்துவத்தை வள்ளுவர் வழி நின்று விளக்குக.
- பண்டைய விரிந்த குடும்பத்தின் தொடர்ச்சியே இன்றைய கூட்டுக்குடும்பம் - விளக்கம் எழுதுக.

VIII. பின்வரும் வினாக்களுள் ஏதேனும் ஒன்றனுக்கு நெடுவிடை தருக: (6)

- பண்பின் படிமமாகப் படைக்கப்பட்ட இராமன், பிற உயிர்களுடன் கொண்டிருந்த உறவு நிலையைப் பாடப்பகுதி வழி நிறுவுக.
- செய்ந்நன்றியறிதலே அறம் என்பதை வாயுறை வாழ்த்தின் துணைகொண்டு நிறுவுக.

IX. அடிபிறழாமல் எழுதுக:

4 + 2 = 6

- 'குக்கனோடும்' எனத் தொடங்கும் கம்பரின் கம்பராமாயணப் பாடலை எழுதுக.
- 'எந்நன்றி' எனத் தொடங்கும் குறள்.

1. सही उत्तर चुनकर खाली जगह पूरा कीजिए -  $7 \times 1 = 7$

(i) पवित्र \_\_\_\_\_ ईश्वर प्राप्ति का साधन है।

1. प्रेम 2. पूजा

(ii) प्रेम बादल देखकर मन रूपी \_\_\_\_\_ खुशी से नाचता है।

1. लहर 2. मोर

(iii) भाव या मनोविकार निबन्ध का लेखक \_\_\_\_\_ है।

1. रामचन्द्र शुक्ल 2. श्यामसुन्दर बंस

(iv) शंकर के पिता \_\_\_\_\_ है।

1. रामस्वरूप 2. गोपालप्रसाद

(v) शीद की हड्डी का प्रमुख पात्र \_\_\_\_\_ है।

1. उमा 2. बतन

(vi) शीद की हड्डी \_\_\_\_\_ की रचना है।

1. जगदीशचन्द्र माधुर 2. सत्यवती माल्लिक

(vii) स्वर सन्धि \_\_\_\_\_ प्रकार की होती है।

1. पाँच 2. सात

2. सही जोड़े मिलाइए -  $6 \times \frac{1}{2} = 3$

- | क                    | ख                        |
|----------------------|--------------------------|
| 1. शंकर              | 1. वर्णों का मेल         |
| 2. 1907 जन्म         | 2. पदों का मेल           |
| 3. सन्धि             | 3. इण्डियन सिविल सर्विस  |
| 4. समास              | 4. उमा की माता           |
| 5. जगदीशचन्द्र माधुर | 5. भारतेन्दु हरिश्चन्द्र |
| 6. प्रेमा            | 6. गोपालदास का बेटा      |

3. निम्नलिखित प्रश्नों के उत्तर लिखिए -  $5 \times 2 = 10$

(i) भीतरी या अन्तर्गी प्रवृत्ति - निवृत्ति के कैसे श्वासी रूप में जाग्रत रूप सकते हैं?

(ii) शीद अन्तर्गी के हृदय की सामान्य अनुभूतियाँ क्या-क्या हैं?

(iii) रामस्वरूप क्या शूठ लोले ?

(iv) हरिश्चन्द्र किस पवित्र प्रेम की ओर संकेत करते हैं?

(v) शंकर ने क्या किया?

4. कंठस्थ भाग -  $2 \times 2 = 4$

(i) भारतेन्दु हरिश्चन्द्र चन्द्रिका पद्य से कोई दो दोहे लिखिए -

5. पारिभाषिक शब्द लिखिए - (कोई छः) -  $6 \times \frac{1}{2} = 3$

- (i) Peon (ii) Life insurance (iii) Technical (iv) Air force  
(v) Authority (vi) Class (vii) Vice-president (viii) Research

6. अनुवाद कीजिए -  $1 \times 3 = 3$

People used to cut trees formerly to use as fuel and to use in constructing buildings, but they used to plant new trees also. Therefore the number of trees did not decrease. Today people cut trees continuously, but they don't plant trees. It affects the climate of our country.

I. சரியான விடையளி:

2×1=2

1. பொய்யா வானம் புதுப்பெயல் பொழிந்தென- இதில் பொய்யா வானம் என்னும் சொல்லின் இலக்கணக்குறிப்பு தருக.  
 அ) வினைத்தொகை ஆ) உரிச்சொல்தொடர் இ) இடைச்சொல் தொடர்  
 ஈ) ஈறுகெட்ட எதிர்மறைப்பெயரெச்சம்

2. புதுப்பெயல் என்பதன் பொருள்

- அ) கடுமழை ஆ) புதுமழை இ) வெயில் ஈ) பெய்தல்

II. கலைச்சொல் - தமிழ்ச்சொல் தருக:

4×½=2

3. Railway Signal 4. Ticket Inspector 5. Platform 6. Metro Train

III. மயங்கொலிச் சொற்களை ஒரே தொடரில் அமை:

1×2=2

7. கலை, களை, கழை

IV. இலக்கணக்குறிப்புத் தருக:

2×1=2

8. வளைஇ 9. புதுப்பெயல்

V. ஏதேனும் ஒன்றனுக்குப் பிரித்துப் பகுபத உறுப்பிலக்கணம் தருக: 1×2=2

10. கலங்கி 11. அசைந்த

VI. புணர்ச்சி விதி தருக: (ஏதேனும் ஒன்று)

1×2=2

12. புதுப்பெயல் 13. இனநிரை

VII. பின்வரும் வினாக்களுள் எவையேனும் இரண்டனுக்குக் குறுவிடை தருக:

14. 'நகரம் பட்டை தீட்டிய வெள்ளை வைரமாகிறது' - விளக்கம் தருக. 2×2=4

15. 'ஆளுக்கொரு மரம் வளர்ப்போம்' என்னும் முழக்கத்தொடர் வாயிலாக எவற்றை வலியுறுத்துவாய்?

16. உயர் திணைப் பன்மைப் பெயர்கள், பன்மை விசுதி பெற்று வருமாறு இரண்டு தொடர்களை எழுதுக.

VIII. பின்வரும் வினாக்களுள் ஏதேனும் ஒன்றனுக்குச் சிறுவிடை தருக 1×4=4

17. வாடைக் காலத்தில் கோவலர்கள் எவ்வாறு பாதுகாப்பைத் தேடினர்?

18. மழை வெள்ளப் பாதிப்பிலிருந்து காத்துக்கொள்ளும் முன்னெச்சரிக்கை நடவடிக்கைகளைக் குறிப்பிடுக.

IX. பின்வரும் வினாக்களுள் ஏதேனும் ஒன்றனுக்கு நெடுவிடை தருக: (6)

19. புயல் தாக்கத்தினால் குடியிருப்புகளுக்கு அருகில் அறுந்து கிடக்கும் மின் இணைப்புகளைச் சரிசெய்யக் கோரி உங்கள் ஊர் மின்வாரியப் பொறியாளர்களுக்குக் கடிதம் எழுதுக.

20. நெடுநல்வாடையில் நக்கீரர் காட்டும் மழைக்கால வருணனையைச் சொல்லில் வடிவமைக்கவும்.

X. அடிபிறழாமல் எழுதுக:

1×4=4

21. 'வையகம் பனிப்ப' எனத் தொடங்கும் நெடுநல்வாடை பாடலைப் பிழையின்றி எழுதுக.