

- I. Choose the correct answer: 5x1=5
- Airport Authority of India is a public enterprise. Identify the form of organisation _____.
a. State Owned Company b. Multi-National Corporations
c. Statutory Corporations d. Departmental Undertaking
 - _____ is the ratio of money and money equivalents kept within the bank.
a. Open Market Operations b. Cash Reserve Ratio
c. Statutory Liquidity Ratio d. Moral Suasion
 - _____ defined bank as an institution charged with responsibility.
a. De kock b. Kent
c. Bank of International Settlement d. None of the above
 - _____ may result in dilution of valuable corporate resource.
a. Burden on consumers b. Lack of social skill
c. Responsibility without power d. Misuse of responsibility
 - The manufacturing sector of India accounts for _____ GDP.
a. 27.6% b. 26.7% c. 72.6% d. 62.7%

II. Answer any four from the following: 4x2=8

- What is the need for corporate governance?
- What is a free enterprise?
- What is ethical responsibility?
- Briefly explain about central bank.
- What is the basic feature of a departmental undertaking?
- What is meant by government company?

III. Answer any four from the following: 4x3=12

- Define departmental undertaking.
- Explain the original of RBI.
- Define the concept of social responsibility.
- List the kinds of social responsibility.
- Illustrate the ethical practices followed by different reputed organization giving practical examples.
- Write briefly about Mahindra and Mahindra.

IV. Answer any three from the following: 3x5=15

- What are the arguments against social responsibility?
- Describe the code of business ethics.
- What are the features of public corporation?
- Classify the various functions of Reserve Bank of India.

I. Choose the correct answer: 5x1=5

- Social responsible business provides goods at _____.
a. high price b. low price c. reasonable price d. moderate price
- The share capital of the government company must not be less than _____.
a. 50% b. 51% c. 52% d. 53%
- The RBI commenced its operations from April 1, _____.
a. 1933 b. 1934 c. 1935 d. 1936
- Which of the following helps in maximising sale of goods to society?
a. business success b. ethics
c. professional management d. all the above
- Assuming social responsibility of business helps the enterprise in _____.
a. equilibrium b. decrease profit
c. sustanability d. increase profit

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

- Give the meaning of social power.
- What is ethical responsibility?
- What are MNC's?
- State any two ways of which ethics influences behaviour.
- Write the meaning of central bank.
- State the different types of public sector enterprises.

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

- Define departmental undertakings.
- Mention the importance of banking services.
- List the kinds of social responsibility.
- What are the benefit of corporate governance to shareholders?
- Why is ethics necessary in business?
- Discuss the role of international benchmarking on the working of companies in India.

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

- Explain in detail the concept and need for social responsibility.
- Describe the code of business ethics.
- Explain the organisational structure of RBI.
- What are the disadvantages of Public Corporation?
- What are the advantages of departmental undertaking?
- What are the features of Public Corporation?

- A couple produces _____.
 - pure rotation
 - pure translation
 - rotation and translation
 - no motion
- The center of mass of a system of particles does not depend upon _____.
 - position of particles
 - relative distance between particles
- A rigid body rotates with an angular momentum L . If its kinetic energy is halved, the angular momentum becomes _____.
 - L
 - $L/2$
 - $2L$
 - $L/\sqrt{2}$
- The direction of torque is found using _____.
 - right hand rule
 - ohm's law
 - left hand rule
 - none
- Torque is ____ quantity.
 - scalar
 - vector
 - scalar product
 - vector product

II. Answer any 4: 4x2=8

- Define centre of mass.
- Two point masses 3kg and 5kg are at 4m and 8m from the origin on X-axis. Locate the position of centre of mass of the two masses from the origin.
- Define Torque and its unit.
- Define centre of gravity.
- Define couple.

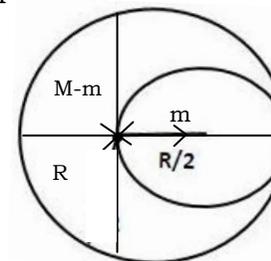
III. Answer any 4: 4x3=12

- Derive an expression for the relation between Torque and angular momentum.
- Define angular an momentum and derive expression for angular momentum.
- A man of mass 50kg & standing at one end of a boat of mass 300kg floating on still water. He walks towards the other end of the boat with a constant velocity of 2ms^{-1} with respect to a stationary observer on land. What will be the velocity of the book?
 - With respect to the stationary observe on land?
 - With respect to the man walking in the boat?
- The position vectors of two point masses 10kg and 5kg are $(-3\hat{i}+2\hat{j}+4\hat{k})\text{m}$ and $(3\hat{i}+6\hat{j}+5\hat{k})\text{m}$ respectively. Locate the position of center of mass.

- A projectile of mass 5kg in its course of motion explodes on its own into two fragments. One fragment of mass 3kg falls at three fourth of the range R of the projectile. Where will the other fragment fall?

IV. Answer any 3: 5x3=15

- From a uniform disc of radius R , a small disc of radius $\frac{R}{2}$ is cut and removed as shown in the diagram. Find the center of mass of the remaining portion of the disc.



- Derive an expression for Torque and angular acceleration?
- Derive an expression for Angular momentum and Angular velocity.
- Explain the different types of Equilibrium and their conditions.

I. Choose the correct answer: 5x1=5

- Profit is the reward for _____.
 a. labour b. organisation c. land
- The classical theory of rent was propounded by _____.
 a. Ricardo b. Walker c. Marshall
- Equilibrium condition of a firm is _____.
 a. MC>MR b. MC<MR c. MC=MR
- Monopolistic competition is a form of _____.
 a. imperfect competition b. perfect competition c. monopoly
- Which of the following examples of perfect competition?
 a. salt b. truck farming c. both A and B

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

- Define market?
- Draw demand curve of a firm for the following.
 a. Perfect competition b. Monopoly
- What are the motives of demand for money?
- What is mean by Insurable Risks?
- What is mean by Net interest?

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

- List out the kinds of wages.
- Briefly explain the subsistence theory of wages?
- State the features of duopoly.
- What is the Monopoly?
- Explain the concepts of profit.

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

- How price and output are determined under the perfect competition?
- Illustrate the Ricardian theory of Rent.
- Explain the Marginal productivity theory of distribution.
- Explain the features of monopolistic competition?

I. Choose the correct answer: 5x1=5

- The number of solutions of $x^2 + |x-1| = 1$ is _____.
 a. 1 b. 0 c. 2 d. 3
- $\log_1 =$ _____.
 a. 0 b. 1 c. e d. ∞
- The number of roots of $(x+3)^4 + (x+5)^4 = 16$ is _____.
 a. 0 b. 2 c. 3 d. 4
- The value of $\log_{\sqrt{2}} 512$ is _____.
 a. 16 b. 18 c. 9 d. 12
- If $\frac{|x-2|}{x-2} \geq 0$ then c belongs to _____.
 a. $[2, \infty)$ b. $(2, \infty)$ c. $(-\infty, 2)$ d. $(-2, \infty)$

II. Answer any 5: 5x3=15

- Resolve $\frac{3x+1}{(x-2)(x+1)}$ into partial fractions.
 - Simplify: (i) $(3^{-6})^{\frac{1}{3}}$ (ii) $(-1000)^{\frac{-2}{3}}$ (iii) $\left(\left((256)^{\frac{-1}{2}} \right)^{\frac{-1}{4}} \right)^3$
 - Simplify and find the value of n:
 $\frac{3^{2n} \cdot 9^2 \cdot 3^{-n}}{3^{2n}} = 27$
 - Solve: $\log_8 x + \log_4 x + \log_2 x = 11$
 - P.T $\log a + \log a^2 + \log a^3 + \dots + \log a^n = \frac{n(n+1)}{2} \log a$.
 - Resolve: $\frac{7x-2}{x^2-4}$ into partial fraction.
- III. Answer any 4: 4x5=20
- Simplify: $\frac{1}{3-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-\sqrt{2}}$
 - If $\frac{\log x}{y-z} = \frac{\log y}{z-x} = \frac{\log z}{x-y}$ then P.T $xyz=1$
 - Resolve $\frac{6x^2-x+1}{x^3+x^2+x+1}$ into partial fraction.
 - Shade the region given by the linear inequalities $2x+y \geq 8$, $x+2y \geq 8$, $x+y \leq 6$
 - a. If $\left(x^{\frac{1}{2}} + x^{\frac{1}{2}} \right)^2 = \frac{9}{2}$ then find the value of $\left(x^{\frac{1}{2}} - x^{\frac{1}{2}} \right)^2$ for $x > 1$.
 b. Solve: $\log_{5-x} (x^2-6x+65) = 2$

I. Answer the Following:

1. Complete the Accounting equation:

a. assets = capital + Liabilities
 3,00,000 = 80,000 + _____
 b. 2,00,000 = _____ + 10,000

2. Journalise the following:

- a. paid salaries by cash Rs 20,000
- b. Introduced additional capital of Rs 10,000

3. Prepare accounting equation.

- a. Murugan started business with cash Rs 80,000
- b. Purchased goods for cash Rs 30,000

4. Prepare furniture accounting for the following Transactions

2017		Rs
Jan 1	Furniture in hand	2,000
1	Purchased furniture for cash	4,000
30	Sold Furniture	400

5. Prepare trial balance for the following:

Capital	5,00,000	Land & Building	5,00,000
Sales	2,00,000	Machinery	1,80,000
Purchase	2,20,000	Loan	2,00,000

II. Answer any four of the following:

4x5=20

6. Balan who was a car driving school gives you the following ledger balances. Prepare the Trial Balance as on 31.12.2018

	Rs.		Rs.
Computer	26,000	Freehold land	30,000
Salaries to Drivers	4,000	Bank Loan	15,000
Taxies	10500	Fees received	18150

Fuel & power	2000	capital	53850
Rent	1500	Advertisement	7000

7. Journalise the following & post them into ledger

2017		RS
July 1	Cash in hand	50,000
5	Goods purchased by cash	30,000
7	Insurance paid	2500
10	Machinery purchased for cash	9000
15	Interest received	2000
18	Goods sold for cash	7000

8. For the following Transactions, Show the effect on account equation.

- a. Raj started business with cash 40,000
- b. opened bank a/c with a deposit of 30,000
- c. Bought goods from Hari on Credit 12,000
- d. Raj withdraws cash for personal use 1000
- e. Bought furniture by using debit card for 10,000

9. Fill the missing information:

Date	Particulars	L.F	Debit	Credit
2018				
April	_____ a/c Dr		2,00,000	
1	To capital a/c (_____)			2,00,000
5	_____ a/c Dr	5,000		
	To cash a/c (amount deposited in bank)			5,000
6	_____ a/c Dr		2,000	
	To _____ a/c			_____

	(cash sales)		
7	Niha a/c Dr	_____	
	To _____ a/c		_____
	To _____ a/c		_____
	(Paid to Niha Rs.18,800 in full settlement of 19000)		
11	_____ a/c Dr	10,000	
	To _____ a/c		_____
	(salary paid)		

10. Journalise the following transaction in the book of mohan

2018	Particulars	Rs.
March 1	Manohar started business with cash	60,000
2	Purchased furniture for cash	10,000
3	Sold goods for cash	15,000
14	Paid Kamalesh	5,000
15	Received from Hari	2,000
16	Goods purchased on credit from Philip for 15,000	
18	Goods returned to Philip amount	4,000

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

11.a. Journalise the following in the name of valluvar as on 31.03.18

2019

March	Particulars	Rs.
1	Commenced business with cash with goods	90,000
2	Purchased dress from X& co on credit	10,000
3	Paid amount by ECS	30,000
7	Purchased sarres from y & Co by cash	6,000
8	Paid X @ co through NEFT	
7	"A4 papers" sold on credit to padmini	1,00,000
9	Bill received from Padmini for amount due	60,000
16	Bills discounted with Padmini with the bank	58,000
20	Cash sales	5,000

21	Bills of Padmini dishonoured	
25	Paid salaries	20,000

OR

b. Journalise the following and post them into ledger of Mr.Arun on 30/12/2017

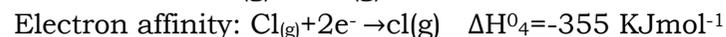
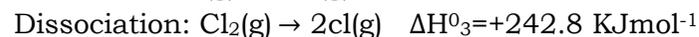
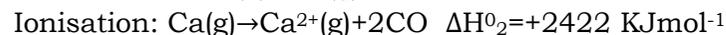
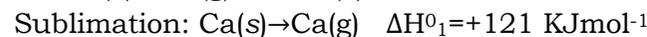
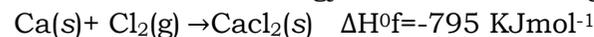
2017	Particulars	Rs.
Dec 1	Started business with cash	10,000
2	Bought goods from cash	1,500
8	Sold goods to Krishna	4,000
14	Purchased goods from Govind on credit	2,000
25	Received cash from Krishna on credit	3,000
29	Paid cash to Govind	1,000

- The temperature of the system, decreases in an
 - Isothermal expansion
 - Isothermal compression
 - adiabatic expansion
 - adiabatic compression
- The correct thermodynamic conditions for the spontaneous reaction at all temperature is
 - $\Delta H < 0$ and $\Delta S > 0$
 - $\Delta H < 0$ and $\Delta S < 0$
 - $\Delta H > 0$ and $\Delta S = 0$
 - $\Delta H > 0$ and $\Delta S > 0$
- In an adiabatic process, which of the following is true?
 - $q = w$
 - $q = 0$
 - $\Delta E = q$
 - $P\Delta V = 0$
- Heat of combustion is always
 - positive
 - negative
 - zero
 - either positive or negative
- The amount of heat exchanged with the surrounding at constant temperature and pressure is given by the quantity
 - ΔE
 - ΔH
 - ΔS
 - ΔG
- In an isothermal reversible compression of an ideal gas the sign of q , Δs and w are respectively
 - +, -, -
 - , +, -
 - +, -, +
 - , -, +
- If one mole of ammonia and one mole of hydrogen chloride are mixed in a closed container to form ammonium chloride gas then
 - $\Delta H > \Delta U$
 - $\Delta H - \Delta U = 0$
 - $\Delta H + \Delta U = 0$
 - $\Delta H < \Delta U$
- Which of the following is not a thermodynamic function?
 - internal energy
 - enthalpy
 - entropy
 - frictional energy
- $C_{(\text{diamond})} \rightarrow C_{(\text{graphite})}$, $\Delta H = -ve$, this indicates that
 - graphite is more stable than diamond
 - graphite has more energy than diamond
 - both are equally stable
 - stability cannot be predicted
- ΔS is expected to be maximum for the reaction
 - $\text{Ca(s)} + \frac{1}{2}\text{O}_2(\text{g}) \rightarrow \text{CaO(s)}$
 - $\text{C(s)} + \text{O}_2(\text{g}) \rightarrow \text{CO}_2(\text{g})$
 - $\text{N}_2(\text{g}) + \text{O}_2(\text{g}) \rightarrow 2\text{NO(g)}$
 - $\text{CaCO}_3(\text{s}) + \text{CaO(s)} \rightarrow \text{CO}_2(\text{g})$

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

- Define molar heat capacity. Give its unit.
- Define enthalpy of solution.
- Identify the state and path functions out of the following:
 - Enthalpy
 - Heat
 - Entropy
 - Work
- Define enthalpy of combustion.

- Define the following terms: a) Adiabatic process
 - Define Gibbs free energy.
 - What are the state and path functions. Give two examples.
- III. Answer any 4 of the following: 4x3=12
- State third law of thermodynamics.
 - Define Hess's law of constant heat summation.
 - What is lattice energy?
 - Define heat of transition.
 - Define entropy. What is the unit of entropy?
 - State Kelvin-Planck statement of second law of thermodynamics.
 - List the characters of internal energy.
- IV. Answer any 2 of the following: 2x5=10
- Write the effect of temperature on spontaneity of reaction.
 - State various statements of second law of thermodynamics.
 - Write down the Born-Haber cycle for the formation of NaCl.
 - Calculate the work involved in expansion and compression process
 - Calculate the lattice energy of CaCl_2 from the given data.



Choose the appropriate synonym of the underlined word

1.A fourth was torpedoed in the war.

a.abolished b.established c.organised d.produced

choose the appropriate antonym of the underlined word

2.I admitted it.

a.obey b.deny c.accept d.disapprove

3.Form a new word by adding a suitable prefix to the root word

'beatable'

a.in b.re c.un d.im

4. choose the word from the options given below to form a

compound word with "toll"

a.gate b.late c.proof d.wheel

Fill in the blanks with suitable homophones:

5.This medicine will _____ your pain. (lesson/lessen)

Replace the underlined word in the sentence with one of the

phrasal verbs given below to convey the same meaning

6.He renounced his wealth and became a social worker.

a.give in b.give on c.give up d.give out

Choose the suitable meaning for the idiom found in the following sentences.

7.Choose the meaning of the idiom "back to the wall"

a. in serious difficulty b.abandoning one who is in difficulty

c.try any method to overcome a crisis.

d.sign of something going wrong

Fill in the blanks with the appropriate verbs.

8.She always _____ (make) excuses for coming late.

9.My father _____ (be) to Mumbai once before.

Fill in the blanks with appropriate determiners.

10.Anand invited _____ (a few/few) friends for the birthday party.

II.Combine using 'If'

1 x 2=2

11.Tom didn't know Spanish.He didn't get the job

III.Read the set of following questions and answer the following questions.

7 x 1=7

"It must have been Macavity !'but he's a mile away"

12.What is Macavity blamed for?

13.Where is he expected to be?

"Macavity ,Macavity , there's no one like Macavity,

For he's a fiend in feline shape, a monster of depravity."

14.Mention the figure of speech.

15.What does 'fiend' and 'feline 'mean?

16.How is the cat described in this line ?

But now they only laugh with their teeth

While their ice-blocked-cold eyes

17.Explain :'laugh with their teeth'

18.Pick out the alliterating words.

IV.Explain with reference to the context.(any one) (1x 3=3)

19."Once upon a time, son

They used to laugh with their hearts"

20"He always has an alibi, and one or two to spare.

V.Answer the following (any one) (1 x 3=3)

21.How did the grandmother spent the last few hours of her life?

22.What is the difference between a physical and mental tight corner?

VI.Answer the following in a paragraph of 150 words: (1 x 5=5)

23.Explain the things the poet has learnt when he grew into an adult. (or)

24.Narrate the circumstances that led to the narrator getting into the tight corner,by his own folly.

II] निम्नलिखित वैकल्पिक प्रश्नों के सही उत्तर दीजिये; (6x1=6)

1. चौपाई _____ छंद है।

(i) मात्रिक अक्षर (ii) मात्रिक अर्द्ध अक्षर

2. कवित्त _____ छंद है।

(i) वार्णिक अक्षरवृत्त (ii) वार्णिक अर्द्ध अक्षरवृत्त

3. आँसू की रानी कविता की कवयित्री _____ है।

(i) सुभद्रा कुमारी चौहान (ii) महादेवी वर्मा

4. वल्लभ भाई पटेल को _____ भी कहा जाता है।

(i) लौह पुरुष (ii) वीर पुरुष

5. वर्ण गणना के आधार पर क्या गया छंद _____ कहलाता है।

(i) वार्णिक छन्द (ii) मात्रिक छन्द

6. मात्रा की गणना पर आधारित छंद _____ कहलाता है।

(i) मात्रिक छन्द (ii) वार्णिक छन्द

III] निम्नलिखित प्रश्नों के उत्तर दीजिये; (3x2=6)

(i) क्या चाहने वाले अंग्रेज निर्दयी कैसे बने?

(ii) भरत-भारत की बलीम देने में सरकार को कितने महीने लगते थे?

(iii) वल्लभ भाई किस प्रकार के व्यक्ति थे?

IV] निम्नलिखित प्रश्नों के उत्तर संक्षेप में दीजिये; (2x3=6)

(क) किसानों के प्रति पटेल का विचार क्या था?

(ख) ब्रिटिश सेना नायक डलहौजी की नीति क्या थी?

4. गीतिका अथ कवित्त छंद लिखिये (उदाहरण सहित) (1x3=3)

5. नीचे दिये गये प्रश्नों के उत्तर निर्देशानुसार लिखिये;

(i) छात्रवृत्ति पाने के लिये प्रार्थना पत्र लिखिये। (4)

(ii) निबन्ध लिखिये (कोई एक) : पुस्तकालय या समाचार पत्र (4)

(iii) पदों के नाम लिखिये : Ministry of state, High Court. (4)

I. Choose the correct answer:

5x1=5

- The number of solutions of $x^2 + |x-1| = 1$ is _____.
a. 1 b. 0 c. 2 d. 3
- $\log 1 =$ _____.
a. 0 b. 1 c. e d. ∞
- In 3 fingers, the number of ways four rings can be worn isways
a. 4^3-1 b. 3^4 c. 68 d. 64
- The product of r consecutive positive integers is divisible by
a. r! b. (r-1)! C. (r+1)! D. r^r
- If $\frac{|x-2|}{x-2} \geq 0$ then c belongs to _____.
a. $[2, \infty)$ b. $(2, \infty)$ c. $(-\infty, 2)$ d. $(-2, \infty)$

II. Answer any 5:

5x3=15

6. Resolve $\frac{3x+1}{(x-2)(x+1)}$ into partial fractions.

7. Simplify: (i) $(3^{-6})^{\frac{1}{3}}$ (ii) $(-1000)^{\frac{-2}{3}}$ (iii) $\left(\left((256)^{\frac{-1}{2}}\right)^{\frac{-1}{4}}\right)^3$

8. Simplify and find the value of n: $\frac{3^{2n} \cdot 9^2 \cdot 3^{-n}}{3^{2n}} = 27$

9. i) Find the value of n if $\frac{1}{8!} + \frac{1}{9!} = \frac{n}{10!}$

ii) Evaluate $\frac{n!}{r!(n-r)!}$ when n=10, r=3

10. P.T $\log a + \log a^2 + \log a^3 + \dots + \log a^n = \frac{n(n+1)}{2} \log a$.

11. How many three digit numbers are there with 3 in the unit place?

i) with repetition ii) without repetition

III. Answer any 4:

4x5=20

12. Simplify: $\frac{1}{3-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-\sqrt{2}}$

13. If $\frac{\log x}{y-z} = \frac{\log y}{z-x} = \frac{\log z}{x-y}$ then P.T $xyz=1$

14. Resolve $\frac{6x^2-x+1}{x^3+x^2+x+1}$ into partial fraction.

15. How many numbers are there between 1 and 1000 (both inclusive) which are divisible neither by 2 nor by 5?

16.a. If $(x^{\frac{1}{2}} + x^{\frac{1}{2}})^2 = \frac{9}{2}$ then find the value of $(x^{\frac{1}{2}} - x^{\frac{1}{2}})$ for $x > 1$.

b. Solve: $\log_{5-x}(x^2-6x+65)=2$

I. Choose the correct answer:

5x1=5

- The number of solutions of $x^2 + |x-1| = 1$ is _____.
a. 1 b. 0 c. 2 d. 3
- $\log 1 =$ _____.
a. 0 b. 1 c. e d. ∞
- The number of roots of $(x+3)^4 + (x+5)^4 = 16$ is _____.
a. 0 b. 2 c. 3 d. 4
- The value of $\log_{\sqrt{2}} 512$ is _____.
a. 16 b. 18 c. 9 d. 12

5. If $\frac{|x-2|}{x-2} \geq 0$ then c belongs to _____.
a. $[2, \infty)$ b. $(2, \infty)$ c. $(-\infty, 2)$ d. $(-2, \infty)$

II. Answer any 5:

5x3=15

6. Resolve $\frac{3x+1}{(x-2)(x+1)}$ into partial fractions.

7. Find the radius of the spherical tank whose volume is $\frac{32\pi}{3}$ units.

8. Find the square root of $7-4\sqrt{3}$

9. Solve: $\log_8 x + \log_4 x + \log_2 x = 11$

10. P.T $\log a + \log a^2 + \log a^3 + \dots + \log a^n = \frac{n(n+1)}{2} \log a$.

11. Resolve: $\frac{7x-2}{x^2-4}$ into partial fraction.

III. Answer any 4:

4x5=20

12. Simplify: $\frac{1}{3-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-\sqrt{2}}$

13. If $\frac{\log x}{y-z} = \frac{\log y}{z-x} = \frac{\log z}{x-y}$ then P.T $xyz=1$

14. Resolve into partial fraction $\frac{2x^2+5x-11}{x^2+2x-3}$

15. Resolve into partial fraction $\frac{x+1}{x^2(x-1)}$

16.a. If $(x^{\frac{1}{2}} + x^{\frac{1}{2}})^2 = \frac{9}{2}$ then find the value of $(x^{\frac{1}{2}} - x^{\frac{1}{2}})$ for $x > 1$.

b. If the logarithm of 324 to base a is 4, then find a.

06.09.19 Comprehensive Revision Programme-1 Marks:30

Std:XI-(E,G) [AN]

தமிழ்

Time: 1.15 Hrs

I. பலவுள் தெரிக:

2×1=2

1. மொழிமுதல் எழுத்துக்களின் அடிப்படையில் முறையானதைக் கண்டுபிடிக்க

அ) அன்னம், கிண்ணம்

ஆ) டமாரம், இங்ஙனம்

இ) ரூபாய் லட்சாதிபதி

ஈ) நெக்கை, அங்ஙனம்

2. யாழ்ப்பாணத்தில் உள்ள புங்குடுத் தீவில் பிறந்தவர்

அ) வில்வரத்தினம்

ஆ) கல்கி

இ) சி.மணி

ஈ) பாரதியார்

II. பிறமொழிச் சொற்களைத் தமிழாக்கம் செய்க:

4×½=2

3. விசா

4. ஞாபகம்

5. ராச்சியம்

6. பத்திரிக்கை

III. பின்வரும் சொற்களுள் எவையேனும் இரண்டனுக்கு இலக்கணக்குறிப்பு

தருக:

2×1=2

7. ஐந்தும்

8. கோடல்

9. கேட்போர்

IV. பின்வரும் கலைச் சொல்லுக்குத் தமிழ்ச்சொற்கள் தருக:

4×½=2

10. Book Review

11. Migration

12. Philosopher

13. Journalist

V. வேர்ச்சொல்லை வினைமுற்றும், வினையெச்சமும் அமைத்து எழுதுக: 1×2=2

14. வா

VI. பின்வரும் எவையேனும் மூன்று வினாக்களுக்கு குறுவிடை தருக: 3×2=6

15. மொழிக்கு முதலில் வரும் எழுத்துகள் எத்தனை? அவை யாவை?

16. உயிரீறு, மெய்யீறு - விளக்குக.

17. பாயிரம் பற்றி நீவிர் அறிந்தவற்றை எழுதுக.

18. இனம், மொழி குறித்து இரகூல் கம்சதோவ கூறுவது யாது?

VII. பின்வரும் வினாக்களுள் ஏதேனும் ஒன்றனுக்குச் சிறுவிடை தருக: (4)

19. நூல் ஒன்றின் முகவுரையில் இடம்பெற வேண்டுவனவாக நன்னூல் எவற்றைக் குறிப்பிடுகிறது?

20. சு.வில்வரத்தினம் பாடத்தான் வேண்டும் என எவற்றைக் குறிப்பிடுகிறார்?

VIII. பின்வரும் ஏதேனும் ஒரு வினாவிற்கு நெடுவிடை தருக: 1×6=6

21. நீங்கள் மொழியை வெளிப்படுத்தும் நிலையில் பேச்சுமொழியையும் எழுத்து

மொழியையும் எவ்வாறு உணர்கிறீர்கள் என்பதை விவரிக்க.

22. நன்னூல் பொதுப்பாயிரம், சிறப்புப்பாயிரம் வாயிலாக அறியலாகும்

செய்திகளைத் தொகுத்து எழுதுக.

VIII. அடிபிறழாமல் எழுதுக:

(4)

23. ஆக்கியோன்..... எனத் தொடங்கும் நன்னூல் பாடலை எழுதுக.