XI Sci

XI Science Terminal examination 2024-25

Date :- 21 OCT 2024

Navkonkan Education Society's

D.B.J. College, Chiplun

Roll No. [ ][ ][ ]

XI Terminal Examination 2024-25

Time:- 2 1/2 Hrs. Sub:- Agriculture Science and Technology Pages:- 2 Marks:- 50

Note:- 1. All Questions are compulsory.
2. Draw neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks.
4. Write answers of all questions on new pages.

Q.1. Answer the following questions. **[14]**

A) Select the appropriate alternative and complete the following statements. **(5)**

1. Basalt is an example of----------type of rock

a) Sedimentary b) Igneous c) Metamorphic d) none of these

2. The process of putting seed in the ground soil for sowing crop plant is called as----------

a) Sowing b) Planting c) Harvesting d) Transplanting

3. Wind velocity is measured by using---------- instrument.

a) Rain gauge b) Pyranometer c) Sunshine recorder d) Anemometer

4. Deficiency of----------plant nutrient causes cracking of fruits.

a) Nitrogen b) Phosphorus c) Potassium d) Boron

5. Apex institute governing agricultural education in India is _____.

a) ICAR b) SCA c) STL d) IARI

B) Make the pairs. **(4)**

Group A	Group B
1. Light	a) Organic fertilizer
2. Feldspar	b) Agriculture education
3. MCAR	c) Biofertilizer
4. Neem cake	d) Pyranometer
	e) Scattering seed on soil surface
	f) Primary rock

C) Write true or false. **(5)**

1) The rock formed by metamorphism is known as metamorphic rock.

2) Hygrometer is used for measuring rainfall.

3) All crops can be cultivated by hydroponic technology.

4) Physical purity test used for testing germination of seed.

5) Seed disinfection means destruction of surface borne organisms.

Q.2. Answer in brief. (Any Five) **(10)**

1). Give the example of heavy and light minerals.

2) What is weather forecasting?

3) Give the examples of crops sown by planting method.

4) List out seed multiplication stages.

5) Write note on biofertilizer.

6) What are the types of weather forecasting?

7) List out the types of soil structure.

(12)

Q.3. Answer the following questions. (Any Four)

1) Explain effect of rainfall on crop growth

2) Write short note on scarification.

3) Draw and label soil profile.

4) Write advantages of contract farming.

5) Explain classification of essential nutrients with examples.

6) Complete the table:

Sr. No.	Name of the crop	Method of sowing
1	----	Broadcasting
2	----	Dibbling
3	----	Planting
4	----	Transplanting
5	----	Sowing in plough furrows
6	----	Drilling

(08)

Q.4. Answer the following questions (Any Two)

1) State objectives of seed treatment.

2) Describe the uses of drone in agriculture.

3) Give the importance of weather forecasting for farmers.

4) Write short note on viviparous germination.

(06)

Q.5. Answer the following questions in details (Any One)

1) Describe about agriculture education in India.

2) Read the given paragraph and answer the following questions.

Compost is an organic manure prepared from plant residues and animal waste by decomposition. The process of making compost is known as composting. It is largely a biological process in which aerobic (which requires air or oxygen) and anaerobic (which function in absence of air or free oxygen) microorganism decompose organic matter and lower the Carbon Nitrogen ratio of the refuse. In the aerobic process, the mixed farm residues are collected in the pits of convenient size, say 15' × 5' × 3' (450 × 150 × 90 cm). Each days collection is spread in a thin layer and sprinkled with a mixture of fresh cow dung. Compost manure is reinforced with super phosphate @ 25 kg per ton of manure. When the pit is filled to a height of 1.5 to 2.0 feet (45- 60 cm) above ground level the surface is plastered with one inch layer of a mixture of mud and cow dung. The compost becomes ready in about three to four months without any further attention.

1) Define compost.

2) What is the size of compost pit?

3) Explain composting method.

4) Which chemical fertilizer is mixed in pit?

5) What is aerobic decomposition?

Date :- 22 OCT 2024

Navkonkan Eduction Society's
D. B. J. College, Chiplun
Terminal Exam 2024
XI Arts/Commerce /Science

Roll No. | | | |

Time :- 2 ½ Hrs. Sub:- English Pages :- 4 Marks :- 50

SECTION I : PROSE

(Reading for comprehension, language study, Summary, Mind Mapping) **(16)**

Q.1) A **Read the extract and complete the activities given below.** **(12)**

In Asarvari village, we asked the sarpanch to help us as we were not very fluent with the local dialect. He sent his assistant Jeevan with us into the hills. After a half-hour walk through thick vegetation, crossing numerous streams and ditches and scrambling over rocks and gravel, we reached the sleepy hamlet of Boripada. There were just two ramshackle houses in front of us and we wondered if this was the right of place. A wrinkled old woman sitting before one of the houses looked at us with curiosity. As we approached her we signalled to Jeevan to ask the crucial question. She muttered in reply and we looked at Jeevan for a quick interpretation. He broke into a smile and informed us that she did have the rice and wanted to know who we were and why we wanted it.

It was a difficult task to keep a straight face and I had to control a strong desire to hug her. After searching for months, we had found the elusive Kasbai. We explained to her that we were from Peth nearby and we needed the seeds to grow it. We asked for 10 kilograms of rice. She muttered and scowled. Jeevan interpreted that she had never heard of Peth village and also did not have a weighing scale. She was willing to give the seeds only in baskets. We asked for a single basket of rice and Jeevan told us to pay her something. I handed over a 100-rupee note and for the first time in the last ten minutes, her face broke into a smile. She nodded her head in approval.

A -1 **Read and rewrite the following statements and state whether they are true or false.** **(02)**

1) In Boripada there were many houses.
2) The Sarpanch sent Jeevan with writer to help him.
3) The old woman did not have a weighing Scale.
4) The writer gave fifty rupees to the old woman of village.

A - 2 **Arrange the following sentences in proper order as per they occur in the extract.** **(02)**

1) The writer and his team reached the sleepy hamlet of Boripada.
2) The writer asked the sarpanch for help.
3) The Writer asked for single basket of rice
4) The Writer and his team found the kasbai rice.

A - 3 **Describe the road that writer took to reach Boripada.** **(02)**

A - 4 **Write any two problems that the farmers are facing now a days.** **(02)**

A - 5 **Language Study.** **(02)**

Do as directed.

1) She nodded her head in approval. (Identify the tense)
2) We reached <u>the sleepy hamlet of Boripada</u>. (Frame Wh Question to Get the underlined part as an answer)

A - 6 **Vocabulary** **(02)**

Match the following words with their meanings.

Column A	**Column B**
1) Scowled	a) Old and need to repair
2) Ramshackle	b) Very Small Village
3) Crucial	c) Looked with anger and disapproval
4) Hamlet	d) extremely important

B **Language Study .** **(04)**

B- 1 **Do as Directed** **(03)**

1) <u>To read</u> a lot is essential. (Rewrite the sentence using gerund form of the underlined words)
2) Our rivers are polluted, our seas are also polluted. (Rewrite using 'Not only _____ but also.')
3) Villages need to follow strict rules. (Rewrite it using modal auxiliary showing obligation)

B - 2 **Spot the error and rewrite the sentence.**

She was unable to facing the horror.

SECTION II : POETRY

Q.2 A **Read the following extract and do the activities given below**

Eight years have passed
Since I placed my cherry seed in the grass.
"Must have a tree of my own," I said,
And watered it once and went to bed
And forgot; but cherries have a way of growing.
Though no one's caring very much or knowing.
And suddenly that summer near the end of May.
I found a tree had come to stay.
It was very small, five months child,
Lost in the tall grass running wild.
Goats ate the leaves, the grass cutter scythe
Split it apart and a monsoon blight
Shrivelled the slender stem..... Even so,
Next spring I watched three new shoots grow,
The young tree struggle, upward thrust
Its arms in a fresh fierce lust

A - 1 Complete the following statements.

i)The thought which prompted the poet to plant the cherry seeds ____

ii)The seasons mentioned in the poem _____ , _____

A - 2 The life of the cherry tree was threatened. Give reasons.

A- 3 Explain the importance of 'planting trees' in your own words.

A-4 Identify the figure of speech in the given line and write another example of the same from the poem.

" It was very small, five months child".

A - 5 Compose four lines of your own describing. 'A plant'

B **Read the following extract and write an appreciation of the poem using following points.**

Points:-

- About the poem, poet and title
- Theme
- Poetic style (Language style)
- Poetic devices.
- Message
- Your opinion about the poem .

There is another sky,
Ever serene and fair,
And there is another sunshine,
Though it be darkness there;
Never mind faded forests, Austin,
Never mind silent fields-
Here is a little forest,
Whose leaf is ever green;
Here is a brighter garden,
Where not a frost has been;
In its unfading flowers
I hear the bright bee hum :
Prithee, my brother,

Section III Writing Skill.

Q.3 Complete the activities as per the instructions given below

A Attempt "Any One' of the following (12)

I **Drafting a Virtual message** (04)

Imagine, you are Rahul studying in 12th standard. You are going to attend International Awareness Programme in New Delhi the next week.

Draft a message in about 50 words. to convey the same to your classmate. Give your own reasons to support your answer.

OR

II **Statement of Purpose**

Read the following details and prepare a suitable statement of purpose.

Imagine that after your 12th standard you would like to persue your career in music. You have been inspired by the singing of S. P. Balasubramaniam the great singer of India. You have won Best Singer Award at collegiate and intercollegiate level. Prepare a statement of purpose for Undergraduate Music School.

OR

III **Group Discussion.**

Imagine that this is your first day of Junior college. You are totally new and unknown about college. There you met other new friends who too are from 11th std. Prepare a short discussion between you and your friends introducing to each other on their first day at college.

B Attempt "Any One' of the following activities. **(04)**

I **E-Mail Writing.**

Imagine that you are a sales manager of showroom selling cars. A customer had booked a car for which he had deposited advance and had been assured delivery in ten days time. The supply got may delayed on account of shutdown of factory for preventive maintenance. The annoyed customer rang up after two weeks, write an email to him/her apologizing for the delay.

OR

II **Report Writing**

Your college WDC Department (Women Development Cell) has celebrated "Gurupornima" Write a report on this celebration in about 120 words.

OR

III **Interview Questions**

One of students from your senior college has recently completed the prestigious TSC (Thal Sainik Camp). He is specially invited to motivate the students who aspire to make their career. in Army. Imagine yourself as an interviewer and prepare a set of 8 questions that You would like to ask him.

You may take the help of following points.

Name of the Interviewee	
Area of success/Reputation	
Date/Venue / time-	
Duration of Interview	

Questions

	Questions to be asked on	
1	Decision	
2	Family background	
3	Support	
4	Training	
5	Difficulties / Hurdles	

6	Challenges	
7	Motivating Experience	
8	Goals	
9	Future Plans	
10	Message	

C **Attempt "Any One' of the following.** (04)

I **Speech Writing**
The N.S.S. Unit of your college has organized a 'Cleanliness Drive' in your city. Prepare a speech on the Importance of Cleanliness' that you are going to deliver as a Secretary of the N.S.S. Unit.

OR

II **Compering:**
Imagine that you are a compere of 'Annual Prize. Distribution Ceremony' of your college. Write a script for the same Make use of the following points

- Introduction
- Lighting the lamp!
- Introductory speech.
- Felicitation
- Main Event.
- President's speech.
- Vote of thanks

OR

III **Expansion of Ideas**

Expand the following idea with the help of the points given below. Write your answer in about 100 to 150 words

"Necessity Is The Mother Of Invention'

- Importance of Invention.
- Use of the term mother.
- Human tendency of Invention
- Example or proof.
- Conclusion.

SECTION - IV

Literary Genre - Drama

Q.4 A Complete the activities given below as per the instructions.

A - 1 Pick out and write the odd element from each line.

i) Romantic comedy, Tragic comedy, Comedy of honour, Comedy of Manners

ii) Plot, character, Monologue, conflict.

iii) Thomas Kyd, Christopher Marlowe, Lady Gregory, William Shakespeare.

iv) The Doll's House, Ghosts, An Enemy of The People, Look Back In Anger.

A - 2 Match the following.

Coloum 'A'	Coloum 'B'
1) Natya Shastra	a) Monologue
2) T.S.Eliot	b) Caricatures
3) To Speak to on Self	c) Bharat Muni
4) Flat Characters	d) Murder In The Cathedral

B Write the answer of the following activities in about 50 the words.

B - 1 Explain the theme "Irish Identity and Rebellion" of the play "Rising of The Moon".

2 Write the Character sketch of the Sergeant.

Date- 23 / 10 / 24

Class- XI Sci.(A/B/C)

Navkonkan Education Society's
D.B.J. College, Chiplun

First Term Examination , Oct. – 2024 Roll No.-

Sub- Chemistry

Time-2.30 hrs. Pages - 2 Marks – 50

General instructions: Question paper is divided into four sections.

1) **Section-A** :Q.No. 1 contains seven multiple choice type of questions carrying One mark each.
   Q. No. 2 contains seven very short answer type of questions carrying One mark each.
2) **Section-B** : Q. No. 3 to Q. No. 13 contains eleven short answer type of questions carrying Two marks each.
3) **Section-C** : Q. No.14 to Q. No. 19 contains six short answer type of questions carrying Three marks each.
4) **Section-D** : Q. No. 20 to Q. No. 23 contains four long answer type of questions carrying Four marks each.
5) Use of log table is allowed. Use of calculator is NOT allowed.
6) Figures to the right indicate full marks.
7) **For each MCQ, correct answer must be written along with its alphabet.**
   e.g. (a)-------- /(b)--------/(c)--------/(d)-------
8) Physical constants – R = 8.314 J/K mol, $N_A = 6.022 \times 10^{23}$

SECTION – A

Q.No.1. **Select and write most appropriate answer from the given alternatives for the following.** [07]

i) IUPAC name of neopentyl group is-----
   a) 3-methylbutyl b) 2,2-dimethylpropyl c) t-butyl d) 2-butylmethyl

ii) Amongst the following Baeyer's Reagent is----
   a) $KMnO_4 / H_2SO_4$ b) $KMnO_4$ / KOH c) $KMnO_4 / H_2O$ d) K_2MnO_4 / HCl

iii) Oxidation state of oxygen in oxygen difluoride is--
   a) -2 b) -1 c) +2 d) -1/2

iv) Which amongst the following alkenes on ozonolysis gives mixture of acetaldehyde and acetone?
   a) but-2-ene b) 2-methylbut-2-ene c) but-1-ene d) 3-methylbut1-ene

v) The correct decreasing order of stability of carbocations is---
   a) $1^0 > 2^0 > 3^0$ b) $1^0 > 3^0 > 2^0$ c) $3^0 > 2^0 > 1^0$ d) $3^0 > 1^0 > 2^0$

vi) The radius of Bohr's second orbit for He^+ ion is—
   a) 10.58 pm b) 1058 pm c) 105.8 pm d) 1.508 pm

vii) Which amongst the following gas at STP occupy maximum volume?
   a) 14 g of N_2 b) 142 g of Cl_2 c) 64 g of O_2g d) 6 g of H_2 g

Q.No.2. **Answer the following:** [07]

i) Write structure of alkane which on monochlorination gives only one product.
ii) Define redox reaction.
iii) Find formula mass of sodium chloride. (atomic mass of Na = 23 u & Cl = 35.5 u)
iv) Write complete electronic configuration of bromine (Z = 35).
v) What is nucleophile?
vi) Write balanced chemical equation for conversion of ethyl chloride to ethane.
vii) What do you understand by Markovnikov's rule.

SECTION-B

Attempt any EIGHT. [16]

Q.No.3. 24 g of carbon reacts with some oxygen to make 88 g of carbon dioxide. Find out how much oxygen must have been used.

Q.No.4. Predict to which period and group Ru (44) belongs.

Q.No.5. Draw resonance structures of aniline and benzaldehyde.

Q.No.6. Explain abnormal electronic configuration of copper.

Q.No.7. What is the action of following on ethene?

a) cold conc. H_2SO_4 b) $KMnO_4 / H^+$

Q.No.8. Calculate oxidation number of underlined element in the following.

a) $\underline{Cr}_2O_7^{2-}$ b) $H_2\underline{S}_4O_6$

Q.No.9. Write IUPAC name of the following compounds.

a) $H_3C\text{-}CH(OH)\text{-}CH(Br)\text{-}CO\text{-}CH{=}CH\text{-}COOH$ b) $(CH_3)_3C\text{-}CH{=}CH\text{-}(CH_2)_3\text{-}C \equiv CH$

Q.No.10. Write balanced equations for preparation of propane and ethylene from suitable alkyne.

Q.No.11. Explain trend in ionization enthalpy in a periodic table.

Q.No.12. Provide the stock notation for the following compounds:

$HAuCl_4$, Mn_2O_3 , FeO, Cu_2O

Q.No.13. Distinguish between homolysis and heterolysis.

SECTION-C

Attempt any FOUR. [12]

Q.No.14. Balance the following redox reaction by half reaction method.

$H_2C_2O_{4\,(aq.)} + MnO_4^-{}_{(aq.)} \longrightarrow CO_{2(g)} + Mn^{2+}{}_{(aq.)}$ (acidic)

Q.No.15. Write assumptions of Bohr's atomic model for hydrogen atom.

Q.No.16. Explain functional group isomerism and tautomerism with one example each.

Q.No.17. Calculate the number of moles , molecules and mass of dioxygen in a volume of 89.6 dm^3 of it, measured at STP.

Q.No.18. Define homologous series.

Write the structure of functional group present in following class of organic compounds.

a) sulphonic acid b) ketone c) acid anhydride d) ester

Q.No.19. What are isotones? Explain secondary quantum number.

SECTION-D

Attempt any TWO. [08]

Q.No.20. Indicate by equation what happens when-

a) chloroethane reacts with sodium metal in dry ether
b) propan-1-ol is heated with conc. H_2SO_4.
c) ethene reacts with diborane followed by oxidation.
d) ethane undergo combustion.

Q.No.21. State - a) Saytzeff's rule b) Hund's rule of maximum multiplicity

Which of the following redox couple is stronger oxidising agent?

a) Cl_2 (E^0 = 1.36 V) and Br_2 (E^0 = 1.09 V)
b) Fe^{3+} (E^0 = 0.77 V) and H_2O_2 (E^0 = 1.78 V)

Q.No.22. Write characteristics of p- and d- block elements.

Define- a) electronegativity b) valency

Q.No.23. Do as directed.

a) Convert 55°C in °F.
b) Draw shapes of p-orbitals.

Explain classification of homocyclic compounds with one example each.

Date: 24 OCT 2024 Navkonkan Education Society's Roll No:-

D.B.J. College Chiplun

Time:-2 ½ Hrs. XI Science Terminal Examination 2024

Sub:- Physics Page :- 2 Marks:- 50

General Instructions: The question paper is divided into four sections.

1. **Section A:** **Q. No. 1** contains 7 multiple choice type questions carrying **1** mark each.
2. **Section B:** **Q. No. 2** contains 7 very short answer type of questions carrying **1** mark each. **Q. No. 3 to Q. No. 13** contains 11 short answer type of questions carrying **2** marks each.
3. **Section C:** **Q. No. 14 to Q. No. 19** contains **6** short answer type of questions carrying **3** marks each.
4. **Section D:** **Q. No. 20 to Q. No. 23** contains **4** long answer type of questions carrying **4** marks each.
5. Use of log table is allowed. Use of calculator is not allowed.
6. Figures to the right indicates full marks.

SECTION-A

Q.1 Select and write the correct answer with proper choice. **(07)**

(i) The magnitude of scalar product of two unit vectors which perpendicular to each otheris-
(a) zero (b) 1
(c) -1 (d) 2

(ii) If the particle is at rest, then the position-time (x-t) graph can be only-
(a) Parallel to position axis (b) Parallel to time axis
(c) Inclined with acute angle (d) Inclined with obtuse angle

(iii) $[L^1 M^1 T^{-2}]$ is the dimensional formula for
(a) Velocity (b) Acceleration
(c) Force (d) Work

(iv) Commonly used glass has refractive index of 1.5. The critical angle for such glass is-
(a) 49° (b) 42°
(c) 45° (d) 40°

(v) The permittivity of medium is 26.55×10^{-12} C^2/Nm^2. The dielectric constant of the medium will be - ($\varepsilon_0 = 8.85 \times 10^{-12}$ C^2/Nm^2)
(a) 2 (b) 3
(c) 4 (d) 5

(vi) Two plane mirrors are inclined at an angle 40° between them. Number of images seen of a tiny object kept between them is-
(a) only 8 (b) only 9
(c) 8 or 9 (d) 9 or 10

(vii) In a series combination of cells, the effective internal resistance will-
(a) Remain the same (b) Decrease
(c) Increase (d) Be half of that first cell

Q.2 Answer the following.

(i) The magnitude of any Physical quantity can be expressed as A $x10^n$ where 'n' is an integer called the order of magnitude and 'A' is a number. What is the range of 'A'? **(07)**

(ii) Define instantaneous velocityof an object.

(iii) Charge on an electron is 1.6×10^{-19} C. How many electrons are require to accumulate a charge of one coulomb?

(iv) What is the dimensional formula for Pressure?

(v) Define absolute refractive index of medium.

(vi) Find the value of resistor if colour code is printed as yellow, violet, orange and gold on it.

(vii) Angular deviation of red and violet colour through prism is 6^0 and 9^0 respectively. Calculate the dispersive power of prism.

SECTION-B

Attempt any **Eight.** **(16)**

Q. 3 If radius of Earth is measured as 6400 km, then what should be its order of magnitude and number of significant figures?

Q. 4 Show that in a thin prism, for small angles of incidence, angle of deviation is depends on angle of thin prism A and RI.

Q. 5 List any four conventions those must be followed while using SI units.

Q. 6 Given $\vec{P} = 4\vec{i} - \vec{j} + 8\vec{k}$ and $\vec{Q} = 2\vec{i} - m\vec{j} + 4\vec{k}$, find m if $\vec{P}$ and $\vec{Q}$ have the same direction.

Q. 7 Derive the expression for scalar product of two vectors in terms of their scalar components.

Q. 8 A car moves at a constant speed of 60 km/hr for 1 km and 40 km/hr for next 1 km. what is the average speed of the car?

Q. 9 Star A is farther than star B. Which star will have a large parallax angle?

Q.10 The depth of a pond is 10 m. What is the apparent depth for a person looking normally to the water surface? $n_{water} = 4/3$

Q.11 What you mean by conservation of charge?

Q.12 Define one coulomb charge and state its SI unit.

Q.13 What is the resistance of one of the rails of a railway track 20 km long at 20^0C? The cross section area of rail is 25 cm^2 and the rail is made of steel having resistivity at 20^0C as $6x10^{-8}\Omega m$.

SECTION-C

Attempt any **Four**.

Q.14 Find the conversion factor between the S.I. units of energy to C.G.S. units of energy.

Q.15 State scalar form of coulomb's law. Explain dielectric constant.

Q.16 Water is flowing in a stream with velocity 5 km/hr in an easterly direction relative to the shore. Speed of a boat is relative to still water is 20 km/hr. If the boat enters the stream heading North, with what velocity will the boat actually travel?

Q.17 Derive the formula for the range and maximum height achieved by a projectile thrown from the origin with initial velocity $\bar{u}$ at an angle θ to the horizontal.

Q.18 A dense glass double convex lens (n = 2) designed to reduce spherical aberration has $|R_1| : |R_2| = 1 : 5$. If a point object is kept 15 cm in front of this lens, it produces its real image at 7.5 cm. Determine R_1 and R_2.

Q.19 Explain parallel combination of resistors.

Q.20 A spherical surface separates two transparent media. Derive an expression that relates object and image distances with the radius of curvature for a point object.

SECTION-D

Attempt any **Two.**

Q.21 State and prove parallelogram law of vectors addition to determine the magnitude and direction of resultant vector.

Q.22 Explain instrumental error and personal error.
In Ohm's experiments, the values of the unknown resistances were found to be 7.28 Ω, 7.22 Ω, 7.21 Ω and 7.25 Ω. Calculate the mean absolute error and relative errorin these measurements.

Q.23 For a prism prove that $i + e = A + \delta$ where the symbols have their usual meanings. Also derive the expression for RI of prism.

Q.24 Distinguish between ohmic and non-ohmic substances in any two points.
The heating element connected to 230 V draws a current of 5A. Determine the amount of heat dissipated in 1 hour. (J = 4.2 J/cal)

☺

Date: 25/ 10 / 2024 | Navkonkan Education Society's | Roll No. | | |

D. B. J. College, Chiplun

XI Science Terminal Exam: 2024-25

Time : 2½ hours | Sub :Mathematics | Pages :02 | Max. Marks :50

SECTION A

Q.1 **Select and write the most appropriate answer from the given alternatives in each question :** 10

i) The arithmetic mean of the first n natural number is

a) $\frac{n+1}{2}$ b) $\frac{n-1}{2}$ c) $\frac{n}{2}$ d) n

ii) If $\theta = 120^0$ then $\frac{1+tan^2\theta}{2tan\theta}$ is equal to

a) $\frac{\sqrt{3}}{2}$ b) $\frac{-2}{\sqrt{3}}$ c) $\frac{2}{\sqrt{3}}$ d) $\frac{-\sqrt{3}}{2}$

iii) If w is a complex cube root of unity then the value of $w^2 + w^3 + w^4$ is

a)1 b)-1 c) i d) 0

iv) If I is a unit matrix then $14I$ will be

a) a unit matrix b)a triangular matrix c)a scalar matrix d) skew symmetric matrix

v) If the vertices of quadrilateral are A(2,1) ,B(2,3),C(-2,2),D(-1,0) then the area is

a) $\frac{15}{2}$ sq.units b) $\frac{11}{2}$ sq.units c) $\frac{13}{2}$ sq.units c) $\frac{7}{2}$ sq.units

Q.2 **Attempt the following.(One mark each)** 4

i) Compute : (3x2) !

ii) Find the value of $4_{P_3} - 40_{C_{39}}$

iii) *Evaluate* $\begin{vmatrix} -1 & 1 & 2 \\ -2 & 3 & -4 \\ -3 & 4 & 0 \end{vmatrix}$

iv) Find the value of $\tan^2(720^0)$

SECTION - B

Attempt any EIGHT of the following . (Two marks each) 16

Q.3 Prove that $\sqrt{3}\,Cosec20^0 - Sec20^0 = 4$

Q.4 Find the angle between hour-hand and minute-hand in clock at 10:10

Q.5 Express angle $\left(\frac{1}{5}\right)^c$ in degree, minutes and seconds.

Q.6 Show that $C_1 + C_2 + C_3 + \ldots\ldots + C_{10} = 1023$.

Q.7 If α and β are complex cube root of unity then shows that $\alpha^2+\beta^2+\alpha\beta = 0$

Q.8 Find $\sum_{n=1}^{\infty}(0.4)^n$

Q.9 How many words can be formed by writing all letters in the word "EQUATION "in different order

Q.10 Find the 5th term in the expansion of $\left(x^2 - \frac{4}{x^3}\right)^{11}$

Q.11 Prove that $G^2 = AH$

Q.12 If $A = \begin{bmatrix} 1 & -3 \\ 4 & 2 \end{bmatrix}$, $B = \begin{bmatrix} 4 & 1 \\ 3 & -2 \end{bmatrix}$ show that $AB \neq BA$

Q.13 Find the value of x if $\begin{vmatrix} x^2 - x + 1 & x + 1 \\ x + 1 & x + 1 \end{vmatrix} = 0$

SECTION - C

Attempt any FOUR of the following (Three marks each)

Q.14 If $\begin{vmatrix} a & 1 & 1 \\ 1 & b & 1 \\ 1 & 1 & c \end{vmatrix} = 0$ then show that $\frac{1}{1-a} + \frac{1}{1-b} + \frac{1}{1-c} = 1$

Q.15 In ΔABC ,A+B+C = π show that

$\cot(\frac{A}{2}) + \cot(\frac{B}{2}) + \cot(\frac{C}{2}) = \cot(\frac{A}{2})\cot(\frac{B}{2})\cot(\frac{C}{2})$

Q.16 Using binomial theorem find the value of $(9.9)^3$

Q.17 Prove that ${}^{n}C_{r} + {}^{n}C_{r-1} = {}^{n+1}C_{r}$

Q.18 Express $(1 - i)^5$ in the form of a+ib, a,b$\in$ R using De-moivres theorem

Q.19 Find the nth term of the sequence 0.6 , 0.66 , 0.666 , ...

SECTION - D

Attempt any TWO of the following (Four marks each)

Q.20 Solve the quadratic equation $x^2 - (3\sqrt{2} + 2i)x + 6\sqrt{2}i = 0$

Q.21 Find the trigonometric functions of -330^0

Q.22 The angles of a quadrilateral are in A.P and the greatest angle is double the least. Find angle of quadrilateral in radians.

Q.23 If $\frac{1\times3 + 2\times5 + 3\times7 + \cdots up\ to\ n\ terms}{1^3 + 2^3 + 3^3 + 4^3 + \ldots\ldots up\ to\ n\ terms} = \frac{5}{9}$, Find the value of n.

Date:- 2 6 OCT 2024 Navkonkan Education Society's Roll No:- | | | |

D.B.J. College chiplun

XI Terminal Examination: - 2024

Time:-2 ½ Hrs. Sub:- Marathi (Arts/Com/Sci) Page :- 3 Marks:- 50

कृती.१ अ) खालील उताऱ्याच्या आधारे सूचनेनुसार कृती करा- (०८)

१. मामूची शाळा बाह्यरूपे- १. [ ] २. [ ] (२)

२. दुसऱ्या मुलाच्या लग्नाच्या वेळी मामूच्या घरी आलेले पाहुणे – (२)

१. [ ] २. [ ] ३. [ ] ४. [ ]

शाळेतील लोकांना तो शिपाई वाटतो. शाळेबाहेरच्या लोकांना त्याची अनेक रूपं दिसतात. मौलवी, व्यापारी, उस्ताद या सगळ्यांचा अंतर्भाव करता येईल असं साऱ्यांनी त्याला सुटसुटीत नाव देऊन टाकलंय - मामू!

दहा वर्षांपूर्वी मी या शाळेत रुजू झालो तेव्हापासून या माणसाला जवळून पारखत आलोय. गरीब माणसानं किती आणि कसं हुशार असावं याचा मामू एवढा मासला मला काही बघायला मिळालेला नाही.

मी मामूच्या घरी गृहप्रवेशाच्या कार्यक्रमाला गेलो. त्याची कर्तबगारी बघून खूप समाधान वाटलं. मामूनं केलेल्या कष्टमय चाकरीचं फळ म्हणून असेल; पण त्याची सगळीच मुलं गुणवान निघालीत. पैसा कमावतात म्हणून माज नाही. बापाचा शब्द त्यांच्या लेखी शेवटचा शब्द आहे . तो कधी खाली पडत नाही.

असंच एकदा मामूच्या घरी त्याच्या दुसऱ्या नंबरच्या मुलाचं 'शादी मुबारक' निघालं. ठरल्याप्रमाणे मामू मला आमंत्रण द्यायला आला, "सर, पोराचं लग्न हाय. यायला पाहिजे."

"मामू, तुमच्या पोराचं लग्न आहे तर न येऊन कसं चालेल? नक्की येईल." मी उत्तर दिलं.

एका मित्राला घेऊन संध्याकाळी शादीच्या मंडपात गेलो. मंडप माणसांनी भरला होता. मामूनं पुढे येत मला हाताला धरून आघाडीला नेऊन बसवलं.

त्या मंडपात आमदार होते, खासदार होते, बडे व्यापारी होते, शिक्षक, प्राध्यापक होते. हयातभर अंगावर पट्टा चढवून शिपाई म्हणून केलेल्या चाकरीचं चीज झाल्याचं समाधान त्याच्या सफेद दाढीभर पसरलं होतं. निका लागला. मामूनं जमलेल्या लोकांचे आभार मानण्यासाठी माईक हातात घेतला.

३. या उताऱ्यातून जाणवणाऱ्या मामूबद्दल तुमच्या शब्दात १० ते १२ ओळींत माहिती लिहा. (४)

किंवा

३. ' माझे बाबा ' या विषयावर १० ते १२ ओळींत माहिती लिहा.

कृती. १. ब) खालील उताऱ्याच्या आधारे सूचनेनुसार कृती करा. (४)

१. निरंजनने केलेली आर्जवं (विनंती) ---------- (१)

२. निरंजनच्या हे ध्यानी आलं ---------- (१)

निरंजन पुलावर पोहोचला तेव्हा साडेनऊ वाजून गेले असावेत. आता नऊ पन्नासची गाडी येईल. धाड् धाड् आवाज करत दिमाखात पुलावरून जाईल. ही कोकण गाडी किती छान दिसते; पण दिसते न दिसते तोच लगेच बोगद्यात शिरते. काय मजा येत असेल नाही गाडीतून जायला? आपणही मोठं झाल्यावर गाडीतून फिरू, या विचाराने तो हरखून गेला. तोच त्याचं लक्ष डाव्या बाजूस रुळाखाली पडलेल्या भल्या मोठ्या भगदाडाकडे गेलं. हे छिद्र कसलं? रोज नसतं बुवा, असं म्हणत त्यान जवळ जाऊन पाहिलं तो कुणीतरी काँक्रीट फोडून रेल्वेचे रूळ वेडेवाकडे करून ठेवल्याचं त्याच्या ध्यानी आलं. निरंजनला आश्चर्यच वाटलं.

रात्री दोन वाजता शेवटची गाड़ी इथून जाते. त्यानंतर पहाटेस कुणीतरी हा उपद्व्याप जाणीवपूर्वक केला असावा. आता प्रवाशांनी भरलेली नऊ पन्नासची गाडी येईल. निरंजन एकदम सावध झाला. गाडी आली तर भयंकर अपघात होईल, हे त्याच्या लक्षात आलं. निरंजन नागरिकशास्त्राचा पेपर, देशमुखांकडचं जेवण सारं विसरला. त्याच्या डोळ्यांसमोर धाड् धाड् आवाज करत येणारी रेल्वेगाडी दिसू लागली. कानठळ्या बसवणारा आवाज आणि लोकांच्या किंकाळ्या कानांत घुमू लागल्या. स्टेशन इथून खूप दूर होतं. तीन-चार किलोमीटर तिथपर्यंत सांगायला जायचं तर परीक्षा बुडणार होती. मग नापास, भडसावळे गुरुजींची मदत बंद. शिक्षणही बंद. परंतु मन मानायला तयार नव्हतं. त्याने क्षणभर विचार केला आणि स्टेशनच्या दिशेने धाव घेतली. तो स्टेशनात शिरला तेव्हा नऊ पन्नासची गाडी नुकतीच आली होती. निरंजनने धावतच स्टेशनमास्तरांना गाठलं. त्यांना पुलावरच्या खराब झालेल्या रुळांबद्दल सांगितलं; पण ते त्यांना खरंच वाटेना. अखेर निरंजनने आर्जवं केली, की निदान पाहून आल्याशिवाय तरी गाडी सोडू नका. मी खोटं बोलत असेन, तर मला पोलिसांच्या ताब्यात दया. एवढं बोलल्यावर स्टेशनमास्तरांनाही त्याच्या बोलण्यात तथ्य वाटू लागलं. उगाच धोका नको म्हणून गाडी थांबवायला सांगून ते पुलाकडे निघाले. निरंजनने नेमकी जागा दाखवली.

३. अपघात स्थळी तुम्ही केलेल्या मदतीचे वर्णन १० ते १२ ओळीत करा. (२)

कृती. २. खालील पद्यपंक्तींच्या आधारे सूचनेनुसार कृती करा. (८)

१. योग्य पर्याय निवडून वाक्य पूर्ण करा. (२)

i) पोपटी स्पंदनासाठी म्हणजे-------

अ)पोपटी पानात जाण्यासाठी.

ब) उत्साहाने सळसळण्यासाठी.

क) पानांचे विचार होण्यासाठी.

ii) तो फाया कानी ठेवू म्हणजे ----

अ) सुगंधी वृत्ती जोपासू.

ब) अत्तराचा स्प्रे मारू.

क) कानात अत्तर ठेवू.

२. काय ते लिहा- (२)

i) देवाघरची गाणी- [ ]

ii) रंगपंचमीत भिजणारी- [ ]

झाडांच्या मनात जाऊ, पानांचे विचार होऊ

पोपटी स्पंदनासाठी, कोकीळ होऊनी गाऊ...

बहरात वसंतामधल्या, तो सुर सावळा ऐकत

जातील फुलेही रंगून, जन्माला अत्तर घालत

चल सुरावरोबर आपण तो फाया कानी ठेवू...

खेळून रंगपंचमी, फुलपाखरे भिजली सारी

हा थवा असे रंगीत की पताकाच फिरणारी

हे भिरभिरणारे तोरण दाराला आणून लावू...

ही कोणाची रे करणी डोळ्यांत झऱ्याचे पाणी

हे उधाण आनंदाचे की देवाघरची गाणी

गाण्यात ऋतूच्या आपण चल खळाळून रे वाहू....

३. ' तुम्ही झाडांच्या मनात शिरला आहात ' अशी कल्पना करून ते कल्पनाचित्र लिहा. (४)

कृती ३. खालील उताऱ्याच्या आधारे सूचनेनुसार कृती करा. (६)

१) विष्णुदास भावे यांनी लिहिलेले नाटक- [ ] (१)

२) ' तृतीय रत्न ' ह्या नाट्यसंहितेचे लेखक - [ ] (१)

३) नाटकामध्ये या कलांचा समावेश होतो- (२)

१. [ ] २. [ ] ३. [ ] ४. [ ]

कथा, कादंबरी, नाटक या सर्वच साहित्यप्रकारांत समाजाची समकालीन चित्रे रेखाटण्याचे सामर्थ्य असते; परंतु कथा, कादंबरी, कविता यांपेक्षा नाटक हा साहित्यप्रकार निराळा आहे. बाकीचे साहित्यप्रकार हे वाचकनिष्ठ आहेत. नाटक हा समूहाचा आविष्कार असतो. नाटकामध्ये संगीत, नृत्य, वक्तृत्व, अभिनय, नेपथ्य, काव्य, चित्रकला अशा बहुतेक सर्व कलांचा समावेश होतो. कथा आणि कादंबऱ्यांमध्ये फक्त लेखक आणि वाचक हे दोन घटक असतात. पण नाटकामध्ये मात्र लेखकाचे शब्द नट संवादांच्या माध्यमातून प्रेक्षकांपर्यंत पोहोचवत असतो.

विष्णुदास भावे यांनी लिहिलेले 'सीतास्वयंवर' हे आधुनिक मराठी नाटकांतील कालमानदृष्ट्या पहिले नाटक ! एक सरळ पौराणिक गोष्ट सांगणारे हे नाटक १८४३ सालचे! त्याचप्रमाणे १८५५ साली महात्मा फुले यांनी लिहिलेली 'तृतीय रत्न' ही लिखित स्वरूपातील पहिली नाट्यसंहिता होय, त्यापूर्वी लळीत, गोंधळ, कीर्तन, पोवाडे, दशावतार, तमाशे अशा अनेक कला महाराष्ट्रात नांदत होत्या, ज्या नाटक या साहित्यप्रकाराच्या उद्यास पूरक ठरल्या.

४) नाटक हा वाङ्मय प्रकार इतर वाङ्मय प्रकारांपेक्षा वेगळा आहे. हे विधान स्पष्ट करा. (२)

किंवा

४) तुमच्या आवडत्या साहित्य प्रकाराबद्दल ६ ते ८ ओळीत माहिती लिहा.

कृती ४. खालीलपैकी कोणत्याही दोन कृती सोडवा. (१२)

१) दिलेल्या मुद्द्यांच्या आधारे सूत्रसंचालनाची माहिती १२ ते १५ ओळीत लिहा.

सूत्रसंचालन म्हणजे----------सूत्रसंचालन हे एक शास्त्र---------- सूत्रसंचालन एक कला---------- समारोप.

२) जागतिक पर्यावरण दिनानिमित्त होणाऱ्या कार्यक्रमाची कार्यक्रम पत्रिका तयार करा.

३) दिलेल्या मुद्द्यांच्या आधारे मुद्रितशोधनाविषयी माहिती १२ ते १५ ओळीत लिहा.

मुद्रितशोधन म्हणजे ---------- मुद्रितशोधकाची भूमिका---------- मुद्रणविषयक ज्ञान व दृष्टी ----------मुद्रितशोधक म्हणून स्वत:ची ओळख निर्माण करणे---------- समारोप.

(१२)

कृती ५. सूचनेनुसार कृती सोडवा.

अ) १. खाली दिलेल्या पर्यायातून उपसर्गघटित शब्द लिहा. (१)

अ) ओबडधोबड ब) अगणित क).वटवट ड) दुकानदार

२. खाली दिलेल्या पर्यायातून प्रत्ययघटित शब्द लिहा. (१)

अ) किरकिर ब) अवघड क) गुणवान ड) वर्ष

आ) १. खाली दिलेल्या पर्यायातून पूर्णाभ्यस्त शब्द लिहा. (१)

अ) पाखरे ब) अतिशय क) ग्रामीण ड) हळूहळू

२. खाली दिलेल्या पर्यायातून अंशाभ्यस्त शब्द लिहा. (१)

अ) गणित ब) पुस्तक क) प्रेरणा ड) भाजीविजी

इ) १. खाली दिलेल्या पर्यायातून शब्दशक्ती ओळखून लिहा. (१)

अ) लक्षणा ब) ओज क) प्रसाद

२. 'माझ्या मना बन दगड' या वाक्यातील शब्दशक्ती लिहा. (१)

अ) लक्षणा ब) व्यंजना क) अभिधा

ई) १. सोपेपणा, सुलभता या अर्थाचा काव्यगुण लिहा. (१)

अ) माधुर्य ब) प्रसाद क) ओज

२. खडक काजळी घोटुनी तुमचे मनगट बाहू घडलेले,
कडे कपारी मधील वणवे उरात तुमचे दडलेले. या काव्यपंक्तीतील काव्यगुण ओळखा. (१)

अ) प्रसाद ब) ओज क) माधुर्य

उ) १. जे चकाकते, ते सोने नसते. (वाक्य प्रकार ओळखा.) (१)

अ) केवल वाक्य ब) संयुक्त वाक्य क) मिश्र वाक्य

२. पाऊस पडला. अंगण ओले झाले. (संयुक्त वाक्य करा) (१)

ऊ) खाली दिलेल्या शब्दांचे विरुद्धार्थी शब्द लिहा. (२)

१. ग्रामीण X ☐ २. अपयश X ☐

Date:- 28 OCT 2024 **Navkonkan Education Society's** Roll No- | | |

D.B.J. College, Chiplun

XI Terminal Examination 2024-2025

Time:-2 &1/2 Hrs. **Subject:- Biology** **Pages:- 03** **Marks:- 50**

SECTION – A

[7]

Q-1 **Select and write the correct answer.**

i. Systemic collection of shells, skeleton of animals, insect boxes can be found in .....
(a) Zoological park (b) Biodiversity park (c) Museum (d) Herbarium

ii. Gastro vascular cavity is the characteristic feature of ..... Phylum.
(a) Porifera (b) Cnidaria (c) Platyhelminthes (d) Echinodermata

iii Mushrooms, Bracket fungi, Smuts are the examples of .....
(a)Basidiomycetes (b) Deuteromycetes (c) Phycomycetes (d) Ascomycetes.

iv. Bone is characterized by hard matrix called .....
(a) Chondrin (b) Ossein (c) Sarcoplasm (d) Osteoblast

v. Dimorphic leaves are the characteristic feature of .....
(a)Angiosperms (b) Gymnosperms (c) Pteridophytes (d) Bryophytes

vi. The sub-aerial modification of stem observed in Mentha plant is .....
(a)Offset (b) Stolons (c)Runner (d) Sucker

vii. ..... are the first vascular and true land plants.
(a) Bryophytes (b) Thallophytes (c) Pteridophytes (d) Gymnosperms

[7]

Q-2 **Answer the following in the one sentence.**

i Name the causative agent of Malaria disease.

ii Identify the type of root modification in the given plant.



iii How cilia are differing from flagella?

iv Define the term Histology.

v Why Bryophytes are also known as "amphibious plants"?

vi Fill in the blanks:
..... tissue is a good insulator, acts as a shock absorber and a good source of energy.

vii What is Bacteriophage?

SECTION – B

Attempt any **EIGHT** questions of the following: [16]

Q-3 Write a note on sucking roots.

Q-4 Write a note on Herbarium.

Q-5 Distinguish between Dicotyledonae and Monocotyledonae.

Q-6 Sketch and label **the structure of typical leaf.**

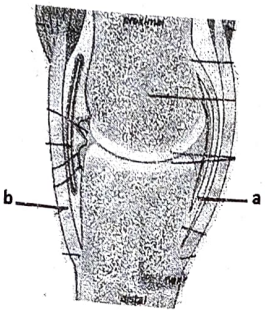
Q-7 i. Give the smaller and larger subunit of 70S type of ribosome.
ii. What is mesosome?

Q-8 Match the following columns concern with cell organelles and their functions. Rewrite it again

Sr.No.	Column I	Column II
1	Lysosome	Ribosome biogenesis
2	Ribosome	Excretion and osmoregulation
3	Nucleolus	Suicide bags of the cell
4	Vacuoles	Protein factories of the cell

Q-9 Explain the following terms:
i. Venous heart
ii. Marsupials

Q-10 i. Identify the labelles **a and b** from the given diagram.
ii. Give the functions of a and b.



Q-11 Write the functions of following type of epithelial tissue :
i. Transitional epithelium
ii. Ciliated epithelium
iii. Germinal epithelium
iv. Columnar epithelium.

Q-12 How Chondrichthyes and Osteichthyes are differ from each other with respect to following points:
i. Endoskeleton
ii. Caudal fin

Q-13 Give the economic importance of –
i. Azotobacter
ii. Methanogenic bacteria

SECTION – C

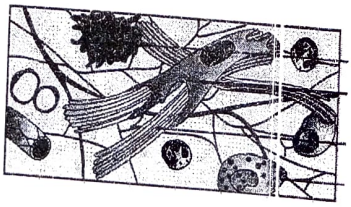
Attempt any **FOUR** questions of the following:

Q-14 i. Sketch and label – Ultra structure of Mitochondria
ii. Give the function of oxysomes.

Q-15 With the help of suitable diagram explain the underground modification of stem- Rhizome

Q-16 i. Write the scientific name of the plant Sunflower.
ii. Explain the rules follows in the Binomial Nomenclature system

Q-17 i. Identify the type of connective tissue in the following diagram .Give its functions.



ii. Why squamous epithelium tissue is also called as pavement epithelium?

Q-18 Explain in brief "Animal body plan "criteria used for animal classification.

Q-19

Fill in the blanks concern with classification of algae.

	Chorophyceae	Rhodophyceae	Phaeophyceae
Reserve food material	.....	.....	.....
Dominant photosynthetic pigment	.....	.....	.....

SECTION – D

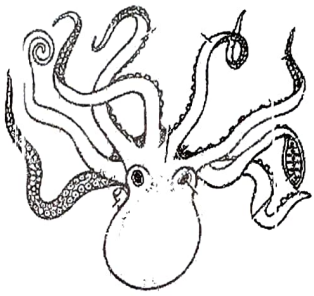
Attempt any **TWO** questions of the following: [8]

Q-20
i. What are Myxomycetes?
ii. Write a note on Dinoflagellates.
iii. "Euglena behaves autotrophs as well as heterotrophs" – Justify the statement.

Q-21
i. Identify the Phylum of following animals.
ii. Mention the general characters of concern phylum.



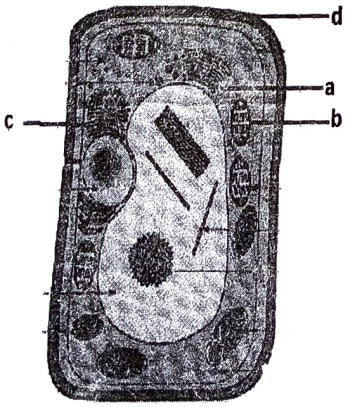
(a)



(b)

Q-22
i. Explain in brief any two modifications of tap root for food storage.
ii. Write a note on Pneumatophores. Give its example.

Q-23 i. Identify the labeles a,b,c and d from following diagram.
ii . Give the functions of b and c.



Date :-

26 OCT 2024

Navkonkan Education Society's

D.B.J.College Chiplun Roll No :

Terminal Exam - 2024 -2025

Std. -XI Sci/ Com

Time:- 2.30 Hrs. Sub – Hindi Page :-4 Max Marks - 50

सूचनाए -

१) सूचना के अनुसार गद्य, पद्य, विशेष अध्ययन तथा व्यावहारिक हिंदी की कृतियो में आवश्यकता के अनुसार आकृतियो में ही उत्तर लिखना अपेक्षित है | आवश्यक है |
2) सभी आकृतियो के लिए पेन का ही उपयोग किजिए |
३) आकृतियो के उत्तर पेन से ही लिखना |
४) व्याकरण विभाग में पुछी गई कृतियो आवश्यकता नही है |
५) शुद्ध , स्पष्ट एव सुवाच्य उत्तर के लिए आकृतियो ककी करना अपेक्षित है |

विभाग १ – गद्य अंक १२

कृति १ (अ) निम्नलिखित पठित गद्यांश पढकरदी गई सूचनाओ के अनुसार कृतिया किजिए :- [६अंक]

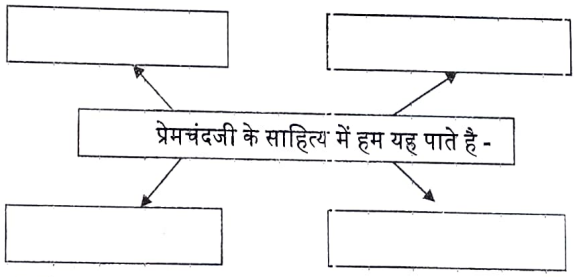
प्रथम स्वर : हिंदी के उपन्यास तथा कहानी की विकास यात्रा, सामयिक जीवन की विशालता, अभिव्यक्ति का खरापन, पात्रो की विविधता, सामाजिक अन्याय का घोर विरोध, मानवीय मुल्यो से मित्रता ओर संवेदना , साहित्य की साधना , धन का शत्रु ओर किसान वर्ग का मसीहा – यांनी मुंशी प्रेमचंद !

द्वितीय स्वर : मुंशी प्रेमचंद जिन्होने अपने युग की चुनौतीयो को सामाजिक धरातल पर स्वीकारा ओर नकारा | उन्होने इन समस्याओ ओर मान्यताओ के जीते- जागते चित्र उपस्थित किए जो मध्यम वर्ग , किसान , मजदूर, पूजीपति , समाज के दलित ओर शोषित व्यक्तिओ के जीवन को संचालित करती है |

प्रथम स्वर : उनका साहित्य सृजन विपुल था लेकिन विपुलता ने उनके लेखन की गुणवत्ता को कभी ठेस नही पहुचाई, उपन्यास हो अथवा कहानी, उसमे कही भी कोई कमी नही आने दी |

द्वितीय स्वर : समय की धडकनो से जुडे, सजग आदर्शवादी ओर साथ ही प्रामाणिकता के संवेग को अपने – आप मे धारण करने वाले, इस कलम के सिपाही के कृतित्व की स्थायी देन की एसी मुहावरेदार ओर सहज भाषा हे, जो पहले कभी नही थी | साथ ही, उनका लेखन आज भी प्रासंगिक लगता है |

(1) संजाल पूर्ण किजिए :- (2अंक)



(2) निम्नलिखित शब्दो का वचन बदलकर लिखिए | (2 अंक)

(१) यात्रा = _____ (२) कहानी= _____

(३) धडकन = _____ (४) कृतियाँ = _____

(3) ' वर्तमान कृषक जीवन की व्यथा ' कथन पर अपने विचार लिखिए | (2अंक)

आ) निम्नलिखित प्रश्नो के उत्तर ८० से १०० शब्दो में लिखीए | (३ मे से २) (६अंक)

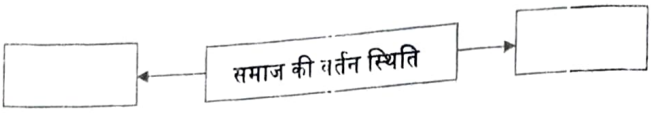
१) 'तत्सत' शीर्षक की सार्थकता स्पष्ट कीजिए |
२) अखबार के दफ्तर से आए दो युवाओं से मिले लेखक के अनुभव को लिखिए |
३) ;मुस्कुराती चोट' लघुकथा हवारा प्राप्त संदेश लिखिए |

[विभाग २ - पद्य अंक १२]

कृति2(अ) निम्नलिखित पदयांश पढकर सूचना के अनुसार कृतिया पूर्ण किजिए :- [६ अंक]

ऊंची हुई मशाल हमारी आगे कठिन डगर है ,
शत्रु हट गया लेकिन छायाओं का डर है ,
शोषण से मृत है समाज कमजोर हमारा घर है ,
किंतु आ रही नई जिंदगी यह विश्वास अमर है ,
जन गंगा मे ज्वार लहर तुम प्रवहमान रहना ,
पहरुए, सावधान रहना !

(1) कृति पूर्ण किजिए :- (2अंक)



(2) रिक्त स्थानो की पूर्ती किजिए | (2अंक)

(१) ऊंची हुई _____ हमारी |

(२) लहर तुम _____रहना |

(3) 'देश के विकास में युवाकों का योगदान ' इस विषय पर अपनेविचार लिखिए| (2अंक)

कृति२(आ) निम्नलिखित मुद्दो के आधार पर 'भक्तिर्महिमा' कविता का रसास्वादन किजिए:- [६अंक]

(i) रचनाकार का नाम
(ii) पसंद की पंक्तिया
(iii) पसंद के कारण
(iv) कविता का केंद्रीय कल्पना

अथवा

गिरमिटीयो की भावना तथा कवि की संवेदना को समझते हुए कविता का रसास्वादन किजिए | [६अंक]

कृति 3(अ) निम्नलिखित संवादो के आधारपर कृतिया पूर्ण किजिए :- [६अंक]

ऑटो चालक १ : भाई साहब आपको जाना कहा है ? कभी यहा, कभी वहा , वहा से यहा, फिर यहा से वहा , पूरी दिल्ली के दर्शन करा दिए आपने जाना कहा है ? लो, मैने ऑटो स्टड पर गाडी रोक दी, आखिर आप चाहते क्या है ?

ऑटो चालक २ : यार ! बुरा मत मानना | लगता है इसकी नई – नई शादी हुई है ऑर आज इसने बीवी को रामलीला दिखाने जाने का वादा किया होगा, यह वक्त पर नहीं पहुचा तो इसका लंका दहन हो जाएगा |

ऑटो चालक १ : कुछ बोलेगे भी क्या हुआ ?

आदमी : मेरी मा की तबीयत खराब है | उन्हे खून की सख्त जरुरत है | हर जगह खून के लिए भटक रहा हू लेकिन कही नही मिल रहा |

ऑटो चालक २ :आप तो ठीक – ठाक काम – धांधेवले लगते हो, ब्लड खरीद क्यों नही लेते ?

आदमी : कहा से खरीदे ? जितना पैसा था , वह हम पहले ही लगा चुके है | जिन लोगों की हमने मदद की, उन लोगों ने भी मुह मोड लिया |

ऑटो चालक १ : साहब , मै दूगा खून चलिए | कहा जाना है.....

ऑटो चालक २ : अरे पागल है क्या.....? तू देगा खून.....?

ऑटो चालक १ : क्यों नही दे सकता खून ? माना कि मै गरीब हूं, एक ऑटो ड्रायवर

हूं तो क्या मै खून दे सकता ?

आदमी : भाई साहब, मै आपका अहसान कैसे भूलूगा, मदद करना तो कोई आपसे सीखे | जब हमारे अपनो ने मूह मोड लिया तब पराये होकर भी आप हमारी मदद कर रहे है, आपका शुक्रिया.....?

(१) कारण लिखिए : (२अंक)

i) ऑटो चालक का लंका दहन हो जाएगा |

ii) आदमी भटक रहा था |

(२) उचित मिलन किजिए : (२अंक)

"अ"	"ब"
i) शहर	रक्त
ii) दहन	उपकार
iii) खून	नगर
iv) एहसान	जलाना

(३) वर्तमानकाल में दान का महत्व अपने शब्दो में लिखिए | (२अंक)

आ) **निम्नलिखित सवालो का जवाब ८० से १०० शब्दों में लिखिए:-** (२ मे से १) (४अंक)

१) मौसम नुककड नाटक में वर्णीत समस्याओ पर प्रकाश डालिए |

२) रक्तदान के लिए सामाजिक जागृति की आवश्यकता नाटक के आधार पर स्पष्ट किजिए |

विभाग ४– पारिभाषिक शब्द अंक०६

कृति ४ **निम्नलिखित शब्दों के लिए हिंदी पारिभाषिक शब्द लिखिए |** (८ मे से ६) (६अंक)

१) Account -	५)Cheque -
२) Session -	६)Bench -
३) Management -	७)Pension -
४) Advance -	८)Trade Mark -

विभाग ५– व्याकरण अंक १०

कृति ५ अ) **निम्नलिखित पंक्तियो मे उद्त अलंकार पहचानकर उसका नाम लिखिए |** (३ मे से २) (२अंक)

१) कनक – कनक ते सौ गुनी , मादकता अधिकाय |
इहि खारा बौराय नर, उहि पारा बौराय |

२) तरनि तनुजा तट तमाल तरुवर बहू छाए |

३) चिर जीवौ जोरी, क्यों न सनेह गंभीर |
को घटि ये वृषभानुया , वे हलधर के बार ||

आ) **निम्नलिखित पंक्तियों में से उद्त रस को पहचानकर उसका नाम लिखिए |** (३ मे से २) (२अंक)

१) मै एसा शूर वीर हू, पापड तोड सकता हू |
अगर गुस्सा आ जाए तो कागज मरोड सकता हू |

२) उधर गरजती सिंधू लहरिया, कुटिल काल के जालो – सी |
चली आ रही है , फेन उगलती , फन फैलाए व्यालो – सी ||

३) साजि आ चतुरंग सैन, अंग में उमंग धरि |
सरजा सिवाजी, जंग जितन चलत है |
भूषण भनत नाद , बिहद नगारन के |
नदी – नद मद, गैबरन के रलत है |

इ) निम्नलिखित मुहावरो का अर्थ बताकर वाक्य में प्रयोग किजिए | (३ में से २) (२अंक)
१) डंका पिटना -
२) अपने पैरों पर खडा होना -
३) कान देना -

ई) निम्नलिखित वाक्योंके दी गई सूचनाओ के अनुसार कालपरिवर्तन करके वाक्य फिरसे लिखिए |(३ मे से २) (२अंक)
१) ऐसा घना जंगल तुम्हने नही मिला था | (सामान्य भविष्यकाल)
२) मछली हँसती हूई पानी मे तेरने लगी | (पूर्ण वर्तमानकाल)
३) कश्मीर मे बाढ़ आ गई है | (पूर्ण भूतकाल)

उ) निम्नलिखित वाक्यों को शुद्ध करके लिखिए |(३ मे से २) (२अंक)
१) हमारा इज्जत माटी मे मिल जाएगा |
२) अध्यापक रत्नहास उठ खडी हुए |
३) खेती करने के लिए मैने अपनी घर बेच दिया