Date : 02 NOV 2023 | Navkonkan Education Society's | Roll No. | | |

D. B. J. College, Chiplun

XI Terminal Examination 2023-24

Time : 2.30 Hrs. | **Sub : English** | **Pages : 05** | **Marks: 50**

Important instructions :

1. *All questions are compulsory. There may be internal options.*
2. *Answers are to be written in complete sentences. One word answer or incomplete answer will not be given credit.*
3. *Figures / webs / diagrams / charts / tables etc. should be drawn and presented completely with proper answers written as instructed.*
4. *Use of colour pen / pencil is not allowed. Use only black or blue pen.*

SECTION – I : PROSE

(Reading for comprehension, language study)

Q.1. A Read the extract and complete the activities given below : **(12)** **[16]**

The Scent of rice

The first year I was late for the rice-sowing season and had to resort to growing the GR4 variety that was short term and recommended by the agricultural officers at Kosbad. The next year we decided that we would start early and try to find some good traditional variety of rice to grow. We had read about traditional varieties of rice and knew that they did not require very high inputs of fertilizers. These varieties were also quite strong and resisted pests. We were sure that it was this type of rice that would grow well in our farm where we did not use any chemicals at all. Our previous year's experience and low yield had taught us a lesson and we were sure we would not plant hybrids this year.

In April 2005, we started to look for a good variety of traditional rice. It was one of our neighbours in the village, a businessman from Mumbai who owned land, who suggested that we plant a local scented variety of rice. Most of the farmers in and around the village of Peth had switched over to hybrids. The younger generation of farmers thought I was crazy to ask for the 'desi' variety, as they called it. My regular visits to the villages around searching for a good traditional variety also did not yield any results and we were almost giving up hope.

I decided to give it one last try and spoke to Baban's father and some other elders. After many meaningful conversations, they mentioned the name of Kasbai.

Kasbai is a traditional long-grained rice variety which has a distinct aroma, though much milder than Basmati. It's a long-duration crop and most of the older people remembered growing it years ago. But they all shook their heads when I asked them about the seeds and told me that it had 'disappeared'.

The tales of Kasbai made us more determined to get it. We decided that if we did manage to get some seeds this would be a great rice to grow. I thought the government may know something about it. A visit to the agricultural officer was enlightening. He had not even heard of this rice variety. He said the villagers were taking me for a ride and there was no rice by this name. He rattled off the names of a number of latest hybrids and even offered to give me some of them free of cost for a trial. Cursing myself for wasting time with him I moved on to the next destination.

A-1 True / False

Read the following sentences and state whether they are True or False. **(2)**

a) The writer was happy after meeting the agricultural officer.
b) Kasbai is a traditional long-grained rice variety which has a distinct aroma.
c) The author wanted to grow the desi variety of rice.
d) The traditional varieties of rice were not strong and resisted pests.

A-2 List the ways in which the government officer cooperated with the author. **(2)**

A-3 Give the reasons for the following. **(2)**

a) The writer wanted to grow the traditional variety of rice because .....
b) The writer almost gave up hope of finding the desi variety of rice because .....
c) The author decide to do away with hybrid seeds because .....
d) The seeds of Kasbai disappeared because .....

A-4 Personal Response (2)

If you were in the writer's place, what would you have chosen- Organic farming for quality produce or conventional farming for quantity? Give reasons.

A-5 Language Study (2)

i) The village of Peth had switched over to hybrids. (Identify the Tense)

ii) These varieties were quite strong. These varieties also resisted pests. (Rewrite using Not only……but also)

A-6 Match the following words in column 'A' with their meanings in column 'B' (2)

Column A	Column B
a) Rattled	a) to give somebody information
b) Enlightening	b) having firmly decided to do something
c) Determined	c) talk rapidly and at length
d) recommended	d) give greater knowledge and understanding

B **B-1 Grammar / language study (Non-Textual Grammar)** (3)

Do as directed :

1. The remaining journey has to be undertaken on foot. **(Rewrite using modal auxiliary showing 'compulsion')**
2. The students sang a patriotic song. **(Change the voice)**
3. Unless you overcome difficulties, you will not be successful. **(Make it affirmative)**

B-2 Spot the error in the given sentence and rewrite the correct sentence. (1)

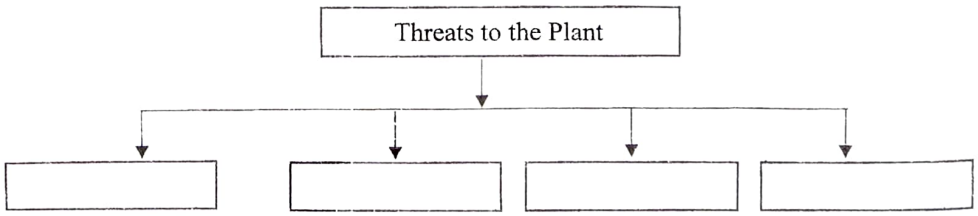
1. Summers in Delhi are extreme hot.

SECTION – II : POETRY
(Poetry and Appreciation)

Q.2 A Read the extract and complete the activity that follows: [10]

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
For light and air and sun.
I could only wait, as one
Who watched, wandering, while Time and the rain
Made a miracle from green growing pain.....

A-1 Complete following web : (2)



A-2 Explain the meaning of the following lines in short. (2)

1. And forgot, but cherries have a way of growing, Through no one's caring very much or knowing.

2. Goats ate the leaves, the grass cutter scythe split it apart and a monsoon blight.

A-3 Describe in your own language the 'Importance of the trees.' (2)

A-4 Name and explain the figure of speech in the following line. (2)
'It was very small, five months child.'

A-5 Compose your own poem of about minimum 4 lines with correct rhyme scheme on the topic 'Environment.' (2)

B Poetic Appreciation [04]

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,
Into my garden come!

Write an appreciation of the poem considering the following points:

i. **About the poem, Poet and Title.**
ii. **Theme, form of the poem, poetic style, language, poetic devices**
iii. **Inspirational message, values, morals.**
iv. **Your opinion and critical evaluation of the poem.**

SECTION - III
(Writing Skills)

Q.3 A Complete the activities as per the instructions given below. [04]

Attempt <u>any One</u> of the following activities-

Drafting virtual message

You are Gopal, a receptionist, in the office of a company manufacturing garments. A sales manager Mr. Deshmukh visited and handed over the sales report to be submitted to the general manager who was busy attending a meeting.

Mr. Deshmukh : Hello! I am here to submit the available sales report to the General Manager.

Gopal : I am sorry but the General Manager is in a meeting. Can you leave a message for him along with the reports?

Mr. Deshmukh : Sorry, I have to leave immediately to collect the other reports. Please inform the General manager, that I had to leave immediately and I will see him in the evening at 5.30 PM with other reports. Thank you.

As a receptionist draft a virtual message for the general Manager.

OR

Statement of Purpose

You are so much interested in fashion designing. You have also participated in various competitions and have shown your talent. Your friend is assisting you tomake the career in fashion designing.

Draft a statement of purpose that will help you to get admission for the course in fashion designing at M. Rajeshwar College of Arts,Hubli, Karnataka.

OR

Group Discussion

The English Language Literacy Club is conducting an online webinar for Jr. College students and only few selected students have been called for a group discussion on the topic of "Online Classes : Blessing or Curse?" Prepare four or five views in the form of discussion.

B **Attempt 'Any One' of the following activities:** [04]

1. **E-mail writing :**

Write an email to your younger sister congratulating her on her success as the 'Best Singer Award.' in the inter-school competition.

OR

2. **Report Writing :**

Your Jr. College has arranged a 'Science Exhibition' at Taluka level for the students of class XI and XII in the last week. Prepare a brief report on it with the help of the following points.

i. Venue of exhibition
ii. Duration of exhibition
iii. Opening ceremony and chief guest
iv. Aim of science exhibition
v. Various projects by students
vi. Conclusion

OR

3. **Drafting Interview Questions :**

A cultural club in your college has organized an interview of a person doing unique work for the society and you are selected to conduct the interview. Think of different questions and draft an interview. (Do not change the sequence of the questions.)

Name of the interviewee:
Field / reputation
Date / Venue / time
Duration of interview
Questions based on :

i. Early life / struggle
ii. Hurdles in education
iii. Role model / inspiration
iv. Family support
v. First success / achievement
vi. Success plan
vii. Dreams unfulfilled
viii. Message

C **Attempt 'Any One' of the following activities :** [04]

Speech Writing:

Your college's N.S.S. unit has undertaken a cleanliness drive in your town / village.

Prepare a speech as the secretary of the N.S.S. unit.

OR

Compering :

The annual social function of your junior college will be held next week in your college campus. Your friend and you are selected to compere the inauguration function of the program.

Prepare a script for the same with the help of following points.

- ✓ Introduction
- ✓ Welcoming the guest
- ✓ Lighting the traditional lamp
- ✓ Inauguration of the annual function
- ✓ Keynote address
- ✓ Presidential Address
- ✓ Felicitation of successful students
- ✓ Vote of thanks

OR

Expansion of idea :

Expand the following idea with the help of the points given below. Write your answer in about 100 to 120 words. **'Believing in yourself is believing in the best.'**

- ✓ Having faith in your abilities
- ✓ Supporting in your argument with examples.
- ✓ Keep doing the work.
- ✓ Conclusion.

SECTION - IV
(Literacy Genre-Drama)

[04]

Q. 4 A Complete the activities given below as per the instructions: (2)

1. Choose the correct alternative.

a. The series of events in a play is called the .....
i. Theme ii. plot iii. setting iv. spectacle

b. ..... is the essence of drama.
i. Conflict ii. Plot iii. Theme iv. Dialogue

c. A character's thought process expressed aloud is called .....
i. Dialogue ii. Monologue iii. Soliloquy iv. Spectacle

d. Dynamic, flat and round are types of .....
i. Plot ii. Monologue iii Characters iv. Conflicts

2. Choose the correct alternative from the following options and re-write : (2)

a. Comedy in the early 18th century declined into .....
i. Sentimentalism ii. Romanticism iii. Realism

b. Earliest seeds of Modern drama can found in .....
i. Greek ii. Roman iii. Sanskrit

c. ..... has used the non-verbal communication very effectively.
i. Shakespeare ii Ibsen iii. Charlie Chaplin

d. Due to civil wars no theatre existed between .....
i. 1642-1660 ii. 1600-1620 iii. 1740-1770

B Activities based on the extract of the drama 'The rising of the Moon.' (Answer in about 50 words) (04)

1. Discuss the importance of the title. (2)
2. The sergeant supports the man by misguiding his comrades. Write whether you agree or disagree with the sergeant's actions. Justify your answer. (2)

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Date: 03 NOV 2023

Navkorkan Education Society's
D. B. J. College, Chiplun
XI Terminal Examination 2023-2024

Roll No. | | |

Time:- 2 ½ Hrs | Subject:- Physics | Pages:- 02 | 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.
   Q. No. 2 contains **7** very short answer type of questions carrying **1** mark each.
2. **Section B:** **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) Which of the following is not a fundamental unit?
(a) cm (b) kg
(c) centigrade (d) volt

(ii) For two vectors to be equal, they should have the .....
(a) same magnitude (b) same direction
(c) same magnitude and direction (d) same magnitude but opposite direction

(iii) The number of significant figures in 11.118×10^{-6} is .....
(a) 3 (b) 4
(c) 5 (d) 6

(iv) The weight of a particle at the centre of the earth is .....
(a) infinite (b) zero
(c) same as that at other places (d) greater than at the poles

(v) A glass bottle completely filled with water is kept in the freezer. Why does it crack?
(a) Bottle gets contracted (b) Bottle is expanded
(c) Water expands on freezing (d) Water contracts on freezing

(vi) Accceleration due to gravity above the earth's surface at a height equal to the radius of the earth is .....
(a) 2.5 m/s^2 (b) 5 m/s^2
(c) 9.8 m/s^2 (d) 10 m/s^2

(vii) The centre of a spherical mirror is called the ..... of the mirror.
(a) principal focus (b) pole
(c) principal axis (d) centre of curvature

Q.2 Answer the following. **(07)**

(i) Define dimension of a physical quantity.
(ii) What is a null or zero vector?
(iii) Estimate the number of images produced if a tiny object is kept in between two plane mirrors inclined at 45°.
(iv) Obtain derivative of the function $x^4 + \cos x$
(v) What is dispersion of light?
(vi) State Kepler's law related with the period of revolution of planet around the sun.
(vii) What is meant by thermal equilibrium?

SECTION-B

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

Q. 3 What do you mean by gravitational constant? State its SI unit.

Q. 4 Calculate the period of revolution of a polar satellite orbiting close to the surface of the earth. (Given: Radius of earth, R = 6400 km, Acceleration due to gravity, g = 9.8 m/s^2)

Q. 5 What is the difference between a scalar and a vector.

Q. 6 Explain the properties of the image formed after reflection of light from a plane surface.

Q. 7 If $\vec{V_1} = 3\hat{\imath} + 4\hat{\jmath} + \hat{k}$ and $\vec{V_2} = \hat{\imath} - \hat{\jmath} - \hat{k}$, determine the magnitude of $\vec{V_1} + \vec{V_2}$.

Q. 8 State Boyle's law and give its formula.

Q. 9 Write a short note on periscope.

Q.10 State the uses of dimensional analysis.

Q.11 Average room temperature on a normal day is 27°C. What is the room temperature in °F?

Q.12 Under what conditions is total internal reflection possible?

Q.13 In an experiment to determine the volume of an object, mass and density are recorded as m = (5 ± 0.15) kg and ρ = (5 ± 0.2) kg m^{-3} respectively. Calculate percentage error in the measurement of volume.

SECTION-C

Attempt any **Four.** **(12)**

Q.14 Discuss the variation of acceleration due to gravity with altitude.

Q.15 For a dense flint glass prism of refracting angle 10°, obtain angular deviation for extreme colours and dispersive power of dense flint glass.
(Given: $n_{red} = 1.712$, $n_{violet} = 1.792$)

Q.16 Define linear expansion of solids. Derive an expression for the coefficient of linear expansion in solid.

Q.17 The radius of a sphere measured repeatedly yields values 5.63 cm, 5.54 cm, 5.44 cm, 5.40 cm and 5.35 cm. Determine the most probable value of radius and mean absolute error, relative error and percentage error.

Q.18 Derive lens makers' equation.

Q.19 Show that vectors $\vec{a} = 2\hat{\imath} + 5\hat{\jmath} - 6\hat{k}$ and $\vec{b} = \hat{\imath} + \frac{5}{2}\hat{\jmath} - 3\hat{k}$ are parallel.

SECTION-D

Attempt any **Two.** **(8)**

Q.20 State and prove parallelogram law of vector addition and determine magnitude of resultant vector.

Q.21 Define principal and molar specific heat of a gas at constant volume.
Find thermal capacity for a copper block of mass 0.2 kg, if specific heat capacity of copper is 290 J/kg °C.

Q.22 Derive the formula of kinetic energy of a particle having mass 'm' and velocity 'v', using dimensional analysis.
Calculate mass of the earth from given data.
Acceleration due to gravity, g = 9.81 m/s^2, Radius of the earth, $R_E = 6.37 \times 10^6$ m, $G = 6.67 \times 10^{-11}$ N m^2/kg^2.

Q.23 What is a prism? Explain the graph for angle of deviation and angle of incidence in case of a prism.
Focal length of the objective of an astronomical telescope is 1 m. Under normal adjustment, length of the telescope is 1.05 m. Calculate focal length of the eyepiece and magnifying power under normal adjustment.

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Date 04/11/2023 Navkonkan Education Society's Roll No

D.B.J. College CHIPLUN

XI Terminal examination 2023-24

Time: 2 1/2Hrs Sub.- Chemistry Page - 2 Marks -50

General instructions: The 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 2 marks Each.

3) Section C: Q.No.14 to Q.NO.19 contains six short answer type of questions carrying 3 marks each.

4) Section D: Q.NO.20 to Q.NO.23 contains four 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 indicate full marks.

7) For each MCQ, correct answer must be written along with its alphabet.
e.g.a)-----/b)---------/c)----------/d)----------

SECTION A

Q.1 **Select and write the most appropriate answer from the given alternatives for each of the subquestions.** (7)

i) Which of the following series of transitions in the spectrum of hydrogen atom falls in visible region? 1
a) Balmer series b) Bracket series c) Paschen series d) Lyman series

ii) SI unit of electric current is -------- 1
a) Volt b) Newton c) Candela d) Ampere

iii) The element with atomic number 9 can exhibit oxidation state of --------- 1
a) +3 b) +5 c) −1 d) +1

iv) Aluminium belongs to --------- elements in periodic table. 1
a) S-block b) p-block c) d-block d) f-block

v) The correct order of stability of 1^0 ,2^0,3^0carbonium ions is -------- 1
a) $3^0<2^0<1^0$ b) $1^0<2^0<3^0$ c) $2^0<3^0<1^0$ d) $3^0<1^0<2^0$

vi) Butan-2-ol on heating with 60% H_2SO_4 at 373K gives ------- as major product. 1
a) But-1-ene b) But-2-ene c) 2-methyl propene d) Ethene

vii) From following pairs of ions which one is not an isoelectronic pair? 1
a) Na^+,Mg^{2+} b) Fe^{2+}, Mn^{2+} c) Mn^{2+}, Fe^{3+} d) O^{2-},F^-

Q.2 **Answer the following.** (7)

i) State Avogadro's Law. 1

ii) Calculate Oxidation number of Oxygen in $C_2O_4^{2-}$ ion 1

iii) State Markovnikov's Rule. 1

iv) What is Lindlar's catalyst? 1

v) Define Orbital. 1

vi) What is the volume of 2.5 moles of N_2 at STP? 1

vii) In which group of elements of the modern periodic table halogens are placed ? 1

SECTION B

Attempt any eight of the following (16)

Q.3 State and explain Heisenberg uncertainty principle. 2

Q.4 State assumptions of Dalton's Atomic theory. 2

Q.5 Explain trends in following properties in periodic table 2
a) Electronegativity b) Atomic radius

Q.6 Write any four uses of alkanes. 2

Q.7 Define Homologous series . Write homologous series of aldehyde. 2

Q.8 Write Ozonolysis reaction of But-2-ene. 2

Q.9 What is Inductive effect? Draw resonance structure of Nitro benzene. 2

Q.10 Explain Geometrical isomerism with suitable example. 2

Q.11 Draw well labelled diagram of Daniel Cell. 2

Q.12 Draw structure of the following compounds . 2

a) m-Nitro toluene b) Acetophenone

Q.13 Convert 35 degree Celsius to degree Fahrenheit. State law of Multiple proportions. 2

SECTION C

Attempt any four of the following. (12)

Q.14 A particular station of All India Radio,New Delhi broadcast on frequency of 1368 kHz. Calculate wavelength of the electromagnetic radiation emitted by the transmitter. (Speed of light c = 3 X 10^8 m/s) 2

Define wavelength. 1

Q.15 Balance the following redox equation by half reaction method 3

$H_2C_2O_4(aq) + MnO_4^-(aq) \longrightarrow CO_2(g) + Mn^{2+}(aq)$ (Acidic)

Q.16 Differentiate between d-block elements and f-block elements. 2

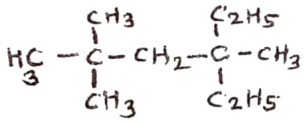
Write electronic configuration of element having atomic number 30. 1

Q.17 State and explain Law of conservation of mass. 2

What are the different isotopes of Carbon? 1

Q.18 Explain Metamerism with suitable example. 2

Write IUPAC name of the following. 1



Q.19 How is 1,2-dibromo ethane converted into Acetylene? 2

What is the action of acidified $KMnO_4$ on Propene? 1

SECTION D

Attempt any two of the following. (8)

Q.20 A student used a carbon pencil entirely to write his homework. If mass of carbon pencil was 12mg , Calculate the number of carbon atoms in his homework writing. 2

Write the Schordinger wave equation and write the significance of each term involved in it. 2

Q.21 Among the following Redox couple identify the stronger oxidizing agent and stronger reducing agent. 2

a) Al(E^0 = −1.66V) and Fe(E^0 = −0.44V)

b) I_2(E^0 = +0.54V) and Br_2 (E^0 = + 1.09V)

Predict the Period and group of Sb (Z = 51) 2

Q.22 Write structure and example of at least one compound which contain following functional group. 2

1) Ester 2) Anhydride

What are Electrophiles and Nucleophiles? Write at least one example of each. 2

Q.23 State and explain Saytzeff's Rule. 2

Draw Newman projection formulae for Ethane molecule. 1

Write Fridel -Craft's acylation reaction of Benzene. 1

Date:- 06/11/2023

Navkonkan Education Society's

D.B.J. College, Chiplun

Roll No. | | | |

XI Terminal Examination 2023-2024

Time: - 2 - 1/2Hrs. Sub:- Biology Pages: -3 Max.Marks:– 50

Section –A

Q.1 Select and write the correct answer from the following multiple choice of questions: **[7]**

i ..... is the basic unit of classification.
(a) Genus (b) Species (c) Class (d) Family

ii Commercially important agar-agar which is used as a solidifying agent in tissue culture medium is obtained from .....
(a) green algae. (b) brown algae
(c) red algae. (d) blue green algae.

iii ..... cell organelle is commonly known as suicide bag of the cell.
(a) Ribosome (b) Lysosome (c) Glyoxysome (d) Oxysosome

iv The mesosome is produced by infolding of .....
(a) mitochondria (b)chloroplast
(c)golgi complex (d) cell membrane

v Crossing over occurs in .....
(a) pachytene (b)leptotene
(c) zygotene (d) diplotene

vi Water vascular system is a characteristics feature of phylum .....
(a) Echinodermata (b) Hemichordata
(c) Mollusca (d) Ctenophora

vii ..... epithelium is also called as pavement epithelium.
(a) Cuboidal (b) Squamous
(c) Ciliated (d) Glandular.

Q.2 Answer the following questions. **[7]**

i "Meiosis is a reductional division" Justify the statement.

ii How many daughter cells will be form when a cell undergoes 50 times mitotic division?

iii " *Chlamydomonas* is a unicellular motile alga." State either the statement is true or false

iv Which organelle is called power house of the cell?

v Define the term Histology.

vi What is the alternation of generation?

vii What are viroids?

Section –B

Attempt any EIGHT of the followings : - (Question No. 03 to 13) **[16]**

Q.3 Give the economic importance of Bryophytes.

Q.4 i- Define cell cycle.
ii- In which phase of interphase synthesis of DNA occurs?

Q. 5 Complete the table.

Sr.no	Types of fung	Common names	Examples
1	Phycomycetes	.....	Mucor
2	.....	Sac fungi	Aspergillus
3	Basidomycetes	Club fungi	.....
4	Deuteromycetes	.....	Alternaria

Q. 6 Explain the following terms with reference to basic principles of life.

I. Metabolism
II. Reproduction.

Q. 7 Enlist the aerial adaptations In Aves which help during flight.

Q. 8 Distinguish between Chondrichthyes and Osteichthyes.

Q. 9 Match the following from column- I and column – II and rewrite again.

	Column - I		Column - II
1	Choanocytes	a	Cnidaria
2	Cnidoblasts	b	Porifera
3	Flame cells	c	Ctenophora
4	Colloblasts	d	Platyhelmintes

Q. 10 Enlist the functions of SER.

Q. 11 Distinguish between mitosis and meiosis.

Q. 12 Sketch and label the Areolar connective tissue.

Q. 13 Match the following from column- I and column – II.

	Column -I		Column - II
a	Curdling of milk	I	Methanogenic bacteria
b	Nitrogen fixation	Ii	Streptomyces
c	Antibiotic production	Iii	Azotobacter
d	Production of biogas	iv	Lactobacilli

Section –C

Attempt any FOUR of the followings : - (Question No. 14 to 19) **[12]**

Q. 14 With the help of suitable diagram describe the structure of multipolar neuron.

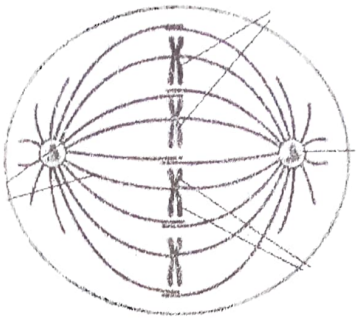
Q. 15 i- "Human heart is a myogenic heart" Justify the statement.
ii- Write a short note on smooth muscles.

Q. 16 Give the general characteristic features of phylum Arthropoda.

Q. 17 With the help of following key words complete the given statements below.
[corolloid roots, mycorrhiza, tracheids, sieve cells, ornamental plants, microsporophyll]

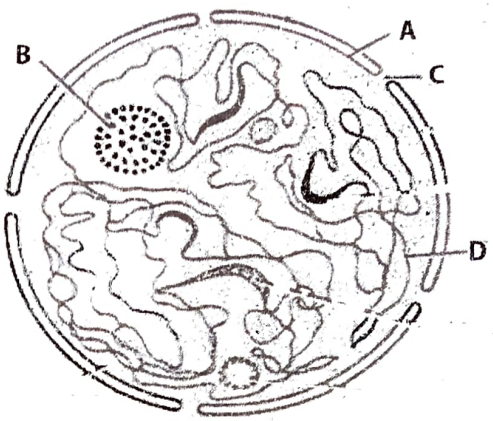
I. The Gymnosperms are the vascular plants having xylem with .....
II. The Gymnosperms are the vascular plant having phloem with .....
III. The Pinus shows association with endophytic fungi is known as .....
IV. The roots of cycas plant shows association with blue green algae are called as .....
V. In Gymnospermic plant male spores are produced by .....
VI. Cycas plant grown as .....

Q. 18 Identify the stage of mitosis in the given diagram and describe it.



Q. 19 i- Identify the labels A, B,C and D in given diagram.

ii- How prokaryotic nucleoid differs from eukaryotic nucleus?



Section –D

Attempt any TWO of the followings : - (Question No. 20 to 23) **[08]**

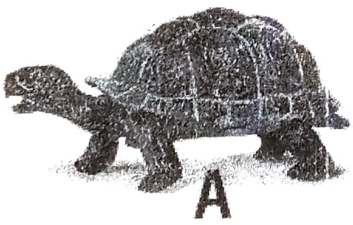
Q. 20 What are scientific names? Write a note on rules of binomial system of nomenclature.

Q. 21 i- Give the general characteristics of Division Angiospermae.

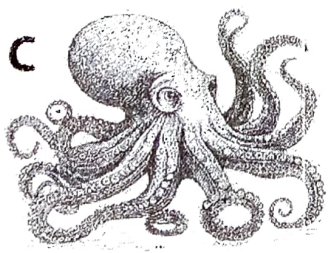
ii- Distinguish between Dicot and Monocot.

Q. 22 With the help of neat labelled diagram describe the fluid mosaic model.

Q. 23 Identify the pictures of animals and mention their respective phylum or class.









Date:- 07 NOV 2023 Navkonkan Education Society's
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Time :-2½ Hrs Sub:- Hindi Pages :- 3 Max.Marks :- 50

सूचनाएँ –

१) सूचना के अनुसार गद्य, पद्य, विशेष अध्ययन तथा व्यावहारिक हिंदी की कृतियों में आवश्यकता के अनुसार आकृतियों में ही उत्तर लिखना अपेक्षित है। आवश्यक है। ह्म

२) सभी आकृतियों के लिए पेन का ही उपयोग कीजिए ।

३) आकृतियों मे उत्तर पेन से ही लिखना

४) व्याकरण विभाग में पूछी गई कृतियों आवश्यकता नहीं है।

५) शुद्ध, स्पष्ट एवं सुवाच्य उत्तर के लिए आकृतियों की कल्पना अपेक्षित है।

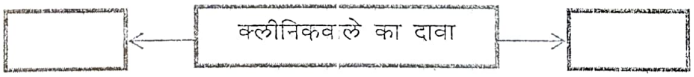
विभाग १ — गदय अंक १२

कृति १ अ) **निम्नलिखित पठित गदयांश पढ़कर दी गई सूचनाओं के अनुसार कृतियाँ पूर्ण कीजिए।** (६अंक

इधर मैं कई दिनों से बड़ा परेशान चल रहा हूँ। सब मेरा भला करना चाहते हैं । अखबार पढ़ने बैठता हूँ तो समाचार पढ़ने से पहले ढेर सारे कागज साथ में आ जाते हैं । कोई कहता है आपके द्वार पर आकर बैठे हैं । सभी तरह के इलाज के लिए क्लीनिक खोल दिया है। आप मोटे हैं तो पतला कर देंगे । पागल हैं तो ठीक कर देंगे। क्लीनिक से हर स्विमिंग सेंटरवाला कह रहा है, 'बस ! आप आ जाएँ, बाकी सब हम पर छोड़ दें। हलवाई की दुकानवाला कह रहा है, 'ऐसी मिठाई आपने कभी न खाई होगी। मीठा खाएँ पर मीठे का असर न हो', ऐसी चीनी का इस्तेमाल करते हैं वे ।

क्रेडिट कार्डवाला फ्री डेबिट कार्ड दे रहा है। पैसे खर्च करने या नकद खर्च की कोई जरूरत पहले नहीं है । आप बेवजह पैसे के पीछे दौड़ रहे हैं। हम सामान आपके घर लाना चाहते हैं, आप बस माल खरीदें ! गाड़ीवाला नई गाड़ी के कागज दिए जा रहा है। साथ में लोन देने वाला बैंक के कागज भी दिए जा रहा है। अखबार के साथ पैंफलेट इतने ज्यादा हैं कि उन्हें पढ़ने बैठ जाओ तो अखबार पढ़ने के लिए वक्त नहीं बचेगा।

१) **आकृति पूर्ण कीजिए।** (२)



२) **उत्तर लिखो–** (२)

१) क्रेडिट कार्डवाला यह दे रहा है ——————————

२) गाड़ीवाला यह दिए जा रहा है ——————————

३) मिठाईवाले की मिठाई ऐसी है ——————————

४) यह गाड़ी के साथ इसका कागज दिए जा रहा है ——————————

३) **मुफ्त में मिलनेवाली चीजों के प्रति लोगों की मानसिकता को स्पष्ट कीजिए ।** (२)

आ) **निम्नलिखित प्रश्नों के उत्तर ८० से १०० शब्दों में लिखिए ।** (३ में से २) (६अंक)

१) मुस्कुराती चोट' शीर्षक की सार्थकता स्पष्ट कीजिए।

२) 'कलम का सिपाही' इस रूपक के आधार पर प्रेमचंद जी की साहित्यिक विशेषताएँ लिखिए।

३) उषा की दीपावली' लघुकथा हवारा प्राप्त संदेश लिखिए।

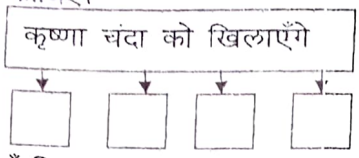
विभाग २ — पदय अंक १२

कृति २ अ) **निम्नलिखित पठित पद्यांश पढ़कर दी गई सूचनाओं के अनुसार कृतियाँ पूर्ण कीजिए।** (६अंक)

बार बार जसुमति सुत बोधति, आउ चद तोहिं लाल बुलावै ।
मधु मेवा पकवान मिठाई, आपुन खैहै, तोहिं खवावै ।
हाथहिं पर तोहिं लीन्हे खेलै, नैकु नहीं धरनी बैठावै ।
जल—बासन कर लै जु उठावति, याही मैं तू तन धरि आवै ।।
जलपुट आनि धरनि पर राख्यौ, गहि आन्यौ वह चंद दिखावै ।

सूरदास प्रभु हँसि मुसक्याने, बार बार दोऊ कर नावें ॥

१) संजाल पूर्ण कीजिए।



२) उचित जोड़ियाँ मिलाइए ।

	'अ'	'ब'
१)	सुत	लीन्हे
२)	लाल	बोधति
३)	हाथहिं	राख्यौ
४)	धरनि	बुलावै.

३) माता–पिता के प्रति संतान के कर्तव्य' इस विचार लिखिए।

आ) **निम्नलिखित मुद्दों के आधार पर 'प्रेरणा' कविता का रसस्वादन कीजिए।** (६अं

१) रचना का नाम –

२) रचनाकार का नाम –

३) पसंद की पंक्तियाँ –

४) पसंद होने के कारण –

३) कविता की केंद्रिय कल्पना –

अथवा

परतंत्रता के संदर्भ में अपने विचार 'पंद्रह 'अगस्त' कविता के आधारपर स्पष्ट कीजिए।

विभाग ३ – विशेष अध्ययन अंक १०

कृति ३ अ) **निम्नलिखित संवादों के आधारपर कृतियाँ पूर्ण कीजिए।** (६अं

आदमी– १ : यह देख !
आदमी– २ : भाई, कितना गंदा पानी है, इस पानी को पीलिया हो गया है क्या?
आदमी – १ : यही पानी हम सबके घरों में आता है और इस पानी की वजह से मेरा यह हाल हो गया ।
आदमी – १ : यार ! तू तो गंजा हो गया एकदम !
आदमी– १ : तेरे तो बहुत बाल हैं! तू कौन– –सा पानी इस्तेमाल करता है?
आदमी– २ : मेरे घर में भी ऐसा ही पानी आता है लेकिन हम मिनरल वॉटर का बड़ावाला जार लेते हैं।
आदमी– १ :वह नब्बे रुपयेवाला ?
आदमी– २: हाँ वही, मैं और मेरी बीवी उसी का पानी पीते हैं। उसी से नहाते हैं और जिस दिन वह जार न आए तो मेरी बीवी नहाती ही नहीं ।
आदमी – १: धत्–तेरे की ।
आदमी – २: क्या करें ? बीवी के लिए इतना तो करना ही पड़ता है ।

दृश्य– २

आदमी – १: भाई, अक्तूबर आ गया। अभी तक मानसून नहीं आया और ऊपर से इतनी गर्मी ।
आदमी – २:लगता है, प्रकृति हमसे नाराज हो गई है। खुद ही देख लो, कहीं बाढ़ आ रही है, कहीं सूखा पड़ रहा है, समझ नहीं आ रहा क्या हो रहा है?
आदमी – ३: भइया देखना ! दिसंबर–जनवरी में बारिश होगी, बेमौसम ।
आदमी – ४: पूरी दुनिया में कलयुग फैल गया है कलयुग और वह भी तुम जैसे पापियों की वजह से । कूड़ा–क तुम फैलाओ, पोल्यूशन तुम करो, गंदगी तुम फैलाओ...

१) **आकृती पूर्ण कीजिए'** (२)

१) इस पानी को क्या हो गया है?
२) यार तू तो एकदम यह हो गया है?
३) तू कौन–सा पानी इस्तेमाल करता है?
४) हमसे नाराज हो गई है?

२) निम्नलिखित वाक्य किसने कहे है है लिखिए। (२)

१) वह नब्बे रुपयेवाला।

२) दिसंबर—जनवरी में बारिश होगी, बेमौसम।

३) भाई, अक्तूबर आ गया।

४) प्रकृति हमसे नाराज हो गई है।

३) जल संवर्धन आज की आवश्यकता' विषयपर अपने विचार लिखिए। (२)

आ) निम्नलिखित सवालों के जवाब ८० से १०० शब्दों में लिखिए। (२ मे से १) (४अंक)

१) मौसम ' नुक्कड नाटक में वर्णित समस्याओं पर प्रकाश डालिए।

२) 'रक्तदान के लिए सामाजिक जागृति की आवश्यकता नाटक के आधार पर स्पष्ट कीजिए।

विभाग ४ -- पारिभाषिक शब्द अंक ०६

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

1) Account - 5) Cheque -

3) Session - 6) Bench -

3) Management - 7) Pension -

4) Advance - 8) Trade Mark -

विभाग ५ — व्याकरण अंक १०

(१०अंक)

कृति ५ अ) निम्नलिखित पंक्तियों में उद्धृत अलंकार पहचानकर उसका नाम लिखिए । (३में से २) (२)

१) कनक— कनक ते सौ गुनी, मादकता अधिकाय । इहिं खारा बौराय नर, उहि पारा बौराय ।

२) तरनि तनुजा तट तमाल तरुवर बहु छाए ।

३) चिर जीवौ जोरी जुरै, क्यों न सनेह गंभीर । को घटि ये वृषभानुजा, वे हलधर के बीर ।।

आ) निम्नलिखित पंक्तियों में से उद्धृत रस को पहचानकर उसका नाम लिखिए। (३ में से २) (२)

१) मैं ऐसा शूर वीर हूँ, पापड तोड सकता हूँ।
अगर गुस्सा आ जाए तो कागज मरोड सकता हूँ। ।

२) उधर गरजती सिंधू लहरिया, कुटिल काल के जालों—सी ।
चली आ रही है, फेन उगलती, फन फैलाए व्यालों—सी ।।

३) साजि चतुरंग सैन, अंग में उमंग धरि ।
सरजा सिवाजी, जंग जीतन चलत है ।
भूषण भनत नाद, बिहद नगारन के ।
नदी--नद मद, गैबरन के रलत है ।

इ) निम्नलिखित मुहावरों का अर्थ बताकर वाक्य में प्रयोग कीजिए । (३ में से २) (२)

१) आँखें फटी रहना। —

२) अपने पैरों पर खडा होना —

३) जबान देना —

ई) निम्नलिखित वाक्यों के दी गई सूचनाओं के अनुसार कालपरिवर्तन करके वाक्य फिर से लिखिए । (२)
(३ में से २)

१) ऐसा घना जंगल उन्हें नहीं मिला था ।(सामान्य भविष्यकाल)

२) मछली हँसती हुई पानी में तैरने लगी । (अपूर्ण वर्तमानकाल)

३) कश्मीर में बाढ आ गई है । (पूर्ण भूतकाल)

उ) निम्नलिखित वाक्यों को शुध्द करके लिखिए (३ में से २) (२)

१) हमारा इज्जत माटी में मिल जाएगा।

२) अध्यापक रत्नहास उठ खडी हुए ।

३) खेती करने के लिए मैंने अपनी घर बेच दिया

Date - 07/11/2023

Navkokan Eduction Society's
D. B. J. College, Chiplun
XI Terminal Examination 2023-24

Seat/Roll No.

Time - 2:30 Hrs.

Sub. - Sanskrit Pages - 4 Max. Marks - 50

डी. बी. जे. महाविद्यालयः, चिपळूणम्
11 कक्ष्या - कला, विज्ञानं, वाणिज्यम्
प्रथमसत्र परीक्षा - नोव्हेंबर 2023
समयः - 2:30 होराः विषयः - संस्कृतम् अङ्काः - 50

प्रथमः विभागः - सुगमसंस्कृतम् (4)

प्रश्नः 1 अ) चित्रं दृष्ट्वा भावमुद्रानामानि लिखत। 2





प्रश्नः 1 ब) अधोदत्तान् शब्दान् योग्यस्तबके वर्गीकुरुत। (6 तः 4) 2
(उष्णीषम्, स्पन्दमापिनी, समभ्राष्टम्, दर्वी, प्रवेशपत्रम्, केयूरम्)

रुग्णालयः	वस्त्रालयः	भाण्डागारः

द्वितीयः विभागः - गद्यम् (14)

(अवबोधनं, शब्दज्ञानं, पृथक्करणं, सरलार्थः, स्पष्टीकरणम्)

प्रश्नः 2 अ) गद्यांशं पठित्वा निर्दिष्टाः कृतीः कुरुत। 5

अ 1) अवबोधनम्। 3

1) पूर्णवाक्येन उत्तरं लिखत।
आहारे के रसाः?

2) उचितं कारणं चित्वा वाक्यं पुनर्लिखत।
अध्यायस्य नाम रसभेदीयः यतः ----------।
रसस्य दश भेदाः।
रसस्य षट् भेदाः।

3) वाक्यं पूर्णं लिखित्वा सत्यं वा असत्यम् इति लिखत।
पिपीलिकानाम् इष्टतमः अम्लः।

अथातः रसभेदीयमध्यायं व्याख्यास्यामः। षोढा पृथग्विपरिणमते मधुरादिभेदेन। तेषां स्वादुरास्वाद्यमानो मुखमुपलिम्पति। इन्द्रियाणि प्रसादयति, देहं प्रह्लादयति, षट्पदपिपीलिकानामिष्टतमः। अम्लस्तु जिह्वामुद्वेजयति, उरःकण्ठं विदहति, मुखं स्रावयति, अक्षिभ्रुवं सङ्कोचयति, दर्शनाद्धर्षयति रोमाणि च। लवणो मुखं विष्यन्दयति, कण्ठकपोलं विदहति, अन्नं प्ररोचयति। तिक्तो विशदयति वदनं, विशोधयति कण्ठं, प्रतिहन्ति रसनम्। कटुको भृशमुद्वेजयति जिह्वाग्रं, चिमचिमायति कण्ठकपोलं, स्रावयति मुखाक्षिनासिकं, विदहति देहम्। कषायस्तु जडयति जिह्वां, बध्नाति कण्ठं, पीडयति हृदयम्।



अ 2) पृथक्करणम्।
स्तम्भपूरणं कुरुत। 2

---------- कण्ठं बध्नाति।
---------- कण्ठं विशोधयति।
लवणः कण्ठं ----------।
कटुकः कण्ठं ----------।

प्रश्नः 2 आ) माध्यमभाषया सरलार्थं लिखत। 4

जूनमासस्य त्रिंशत्तमे दिने चतुःसप्तनवैकतमे ख्रिस्ताब्दे (३० जून १९७४) अस्माकं केन्द्रशासनेन आकाशवाण्यां प्रातः नववादने संस्कृतवार्तापत्रस्य प्रसारणम् आरब्धम् । संस्कृतपत्रकारिताक्षेत्रे एतद् महत्त्वपूर्णं पदमासीत्। तदननरम् अचिरादेव सन्ध्यासमये दशाधिकषड्वादने द्वितीयं संस्कृतवार्तापत्रमपि आरब्धम् । वृत्तनिवेदकः बलदेवानन्दसागरः निवेदनकौशलेन प्रासख्यातिः ।

प्रश्नः 2 इ) माध्यमभाषया ससन्दर्भं स्पष्टीकुरुत। (2 तः 1) 5
1) तिक्तः स्वयमरोचिष्णुः।
2) संस्कृतभाषायाः प्रसारः इत्यपि एतासां पत्रिकाणाम् उद्दिष्टम्।

तृतीयः विभागः - पद्यम् (9)
(अवबोधनं, शब्दज्ञानं, पृथक्करणं, स्पष्टीकरणम्)

प्रश्नः 3 अ) पद्यांशं पठित्वा निर्दिष्टाः कृतीः कुरुत। 4

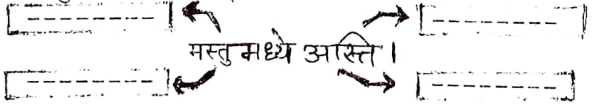
अ 1) अवबोधनम्। 2
1) पूर्णवाक्येन उत्तरं लिखत।
शर्करायुक्तं किं किम्?
2) रेखाङ्कितं पदम् आधृत्य संस्कृतभाषया प्रश्ननिर्माणं कुरुत।
सूदैः शिखरिणी मता।

मथितं शर्करायुक्तमेलाचूर्णविमिश्रितम् ।
कर्पूरधूपितं नाम्ना मञ्जिकेत्यभिधीयते ।।
निष्पीड्य दधि वस्त्रेण स्रावयेत्तद् द्रुतं जलम् ।
शर्करैलासमायुक्ता सूदैः शिखरिणी मता ।।
स्रावितं यद्धृतं तोयं जीरकार्द्रकसैन्धवैः ।
संयुक्तं हिङ्गुधूपेन धूपितं मस्तु कीर्तितम् ।।

अ 2) शब्दज्ञानम्। 2
1) समानार्थकशब्दं चित्वा लिखत। - तक्रं, जलं
2) तृतीयाविभक्त्यन्तपदे चित्वा लिखत।

अथवा

अ 2) पृथक्करणम्। 2
जालरेखाचित्रं पूरयत।
मस्तुमध्ये किं किम् अस्ति?



प्रश्नः 3 इ) माध्यमभाषया ससंदर्भं स्पष्टीकुरुत। (2 तः 1) 5
1) समत्वं योग उच्यते।
2) सारं गृह्णन्ति पण्डिताः

चतुर्थः विभागः - भाषाभ्यासः (9)

प्रश्नः 4) अधोनिर्दिष्टाः कृतीः कुरुत। (4 तः 3)

अ) नाम-सर्वनाम-तालिकां पूरयत। (8 तः 6) 3

नाम	प्रातिपदिकम्	अन्तम्	लिङ्गम्	विभक्तिः	वचनम्
कर्मणि	--------	--------	नपुंलिङ्गम्	सप्तमी	एकवचनम्
इयं	इदं	-	स्त्रीलिङ्गम्	--------	--------
दधि	--------	इकारान्तम्	नपुंलिङ्गम्	--------	एकवचनम्
अयं	इदं	-	--------	प्रथमा	---------

आ) समासतालिकां पूरयत। (5 तः 3) 3

समस्तपदम्	विग्रहः	समासनाम
मिथ्याचारः	-------	बहुव्रीहिः।
मध्यस्थः	मध्ये तिष्ठति इति।	--------
--------	जीरकाः च आर्द्रकाः च।	द्वन्द्वः।
--------	न व्यवस्थितम्।	नञ्-तत्पुरुषः।
प्रतिसप्ताहं	सप्ताहं सप्ताहं प्रति	--------

इ) सन्धिः। (8 तः 6) 3

1) कूर्मोऽङ्गानि = -------- + --------

2) ---------- = कर्मणि + एव

3) सर्वैर्गुणैः = -------- + --------

4) ---------- = स्मरेत् + नित्यम्

5) अम्लस्तु = -------- + --------

ई) सूचनानुसारं परिवर्तनं कुरुत। (5 तः 3) 3

1) लकारं परिवर्तयत।

सारं समुद्धरेत्। (लट्-लकारः)

2) त्वं स्थाने भवान् / भवती अथवा भवान् / भवती स्थाने त्वं योजयत।

भवान् कर्म करोतु। (त्वम्)

3) सति-सप्तमी-रचनां निष्कासयत।

मधुरे रसे अत्युपयुज्यमाने लोचनगदान् आवहेत् ।

4) वाच्यपरिवर्तनं कुरुत। -

मया सूपं साधितम्।

5) पूर्वकालवाचक-धातुसाधित-अव्ययं योजयत।

माषपिष्टं विमर्दयेत् स्थाल्यां स्थापयेत् च।

पञ्चमः विभागः - लेखनकौशलम् (8)

प्रश्नः5 अ) मञ्जूषातः उचितान् शब्दान् चित्वा रिक्तस्थानानि पूरयित्वा चित्रपटवर्णनं पुनर्लिखत। 5

रहस्यचित्रपटस्य नाम कहानी। -------- चित्रपटे प्रमुखा नायिका विद्या बालनमहोदया। नायिकाप्रधानः एव एषः चित्रपटः। गर्भवती नायिका स्वपतेः अन्वेषणार्थं कोलकतानगरम् आगच्छति। सा ------ सङ्कटानां प्रतिकारं करोति। प्रेक्षकाणां मनसि -------- कृते करुणा जायते। किन्तु अन्ते रहस्यभेदः भवति यत् सा तु नैव गर्भवती। -------- जानाति यत् तस्याः पतिः मृतः। तस्य घातकस्य अन्वेषणार्थम् एव सा छद्मवेषं धृत्वा अटति। सा दुर्गापूजासमये मार्गे स्वपतेः घातकस्य वधं करोति। प्रायः ------ चित्रपटे विद्यायाः अभिनयः अतीव रोचते।

(मञ्जूषा - सा, सर्वेभ्यः, एतस्मिन्, तस्याः, नैकेषां)

प्रश्नः 5 आ) निम्नलिखितानि अव्ययानि उपयुज्य 3 संस्कृतवाक्यानि लिखत। 3

1. परितः 2. बहिः 3. सह
4. विना 5. समीपे

षष्ठः विभागः - साहित्यम् (3)

प्रश्नः 6) उचितं विकल्पं चित्वा वाक्यानि पुनर्लिखत। 3

1) -------- वनस्पतिनामानि सन्ति ।
(यजुर्वेदे, अथर्ववेदे, ऋग्वेदे)

2) -------- आयुर्वेदस्य मूलस्रोतः।
(सामवेदः, अथर्ववेदः, यजुर्वेदः)

३) -------- यज्ञस्य ज्ञानकोषाः।
(आरण्यकग्रन्थाः, उपनिषद्ग्रन्थाः, ब्राह्मणग्रन्थाः)

४) ---------- नाम भारतीयतत्त्वज्ञानस्य मूलम्।
(वेदाङ्गम्, वेदान्तम्, छन्दः)

५) -------- नाम उच्चारणविषये वैज्ञानिकी विचारपद्धतिः।
(निरुक्तम्, व्याकरणम्, शिक्षा)

६) ---------- छन्दःशास्त्रस्य रचयिता।
(यास्काचार्यः, लगधाचार्यः, पिङ्गलाचार्यः)

सप्तमः विभागः - अपठितम् (3)

प्रश्नः 7) संस्कृतवाक्यानां माध्यमभाषया अनुवादं कुरुत। 3

काठमाण्डुः इति शब्दः काष्ठमण्डपः इति शब्दात् प्राप्तः। अद्यापि काष्ठनिर्मितानि प्राचीनानि भवनानि अत्र सन्ति। काठमाण्डुनगरे देवरम् अस्ति।

Date : 07 NOV 2023 Roll No: | | | |

Navkonkan Education Society's
D.B.J. College, Chiplun.
XI Terminal Examination 2023-2024
Sub: MARATHI (Com/Sci.)

Time: 2:30 Hrs **(02 Pages)** **Max.Marks: 50**

कृतिपत्रिकेसाठी सूचना :

- *आकलन कृती व व्याकरण यांमधील आकृत्या किंवा चौकटी पेनाने अथवा पेन्सिलीने व्यवस्थित काढाव्यात.*
- *स्वच्छता, नीटनेटकेपणा व लेखननियमानुसार लेखन याकडे जाणीवपूर्वक लक्ष द्यावे*

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

१. मामूच्या मुलाच्या लग्नाला आलेल्या व्यक्ती — १ _____ _____ (२)

२. लग्न मंडपातून बाहेर पडताना लेखकाच्या डोक्यात आलेले विचार — (२)

_____

"आज माज्या मुलाच्या लग्नाला आमदारसाहेब आलेत, खासदार साहेब आलेत, मृत्युंजयकार आलेत माज्या गरिबाच्या ..." मामूचा कंठ दाटून आला. त्याला बोलता येईना. त्याची अनुभवानं पांढरी झालेली दाढी थरथरत राहिली. मामूनं कसेबसे आभार मानून हातातील माईक खाली ठेवला

'धर्मापेक्षा माणूस मोठा आहे आणि माणसापेक्षा माणुसकी फार फार मोठी आहे!' असे विचार घेऊनच त्या दिवशी मी मंडपातून बाहेर पडलो.

मामूचा शेवटचा बच्चा शाबू माझ्या हाताखाली शिकला. चांगल्या गुणांनी एस. एस. सी. पास झाला. तो पास होताच मामूचं लकडं लागलं, "सर, शाबूला कुठंतरी चिकटवा."

"मामू, हा शेवटचा बच्चा. तुमच्यात कुणीच पदवीधर नाही. याला शिकू दया. याला नोकरीत अडकवलात, की हा संपला. जरा नेट धरा. काही अडलं नडल मला सांगा" मी मामूला दिलासा देत होतो.

बदलत्या काळाची पावलं ओळखून मामूनं निर्धार बांधला. पोराला कॉलेजात दाखल केलं.

परवा परवा मामूची बुढी आई अल्लाला प्यारी झाली. तिच्या आठवणी सांगताना मामूच्या डोळयात पाणी तरळलं. 'दुनियेतं सारं मिळेल सर , पण आईची माया कुणाकडंन न्हाई मिळायची', हे त्याचे बोल ऐकताना नातवंडं असलेला मामू मला त्याच्या शाबूसारखा पोरवयाचा वाटला. त्याची आई वारली त्या दिवशी शाळेला सुट्टी मिळाली.

३. मामूने केलेला निर्धार व त्यामागील कारणे तुमच्या शब्दांत १० ते १२ ओळींत लिहा. (४)

किंवा

३. 'माझी आई.' या विषयावर १० ते १२ ओळींत स्वमत लिहा.

(ब) **खालील उता—याच्या आधारे सूचनेनुसार कृती करा.** (०४)

१. आकृती पूर्ण करा. शिक्षण मानवाच्या या शक्तींचा विकास करते → → (१)

मानवी जीवन विकासात शिक्षणाला महत्त्वपूर्ण स्थान आहे. शिक्षण मानवाच्या मानसिक व बौद्धिक शक्तींचा विकास करते. शिक्षणाशिवाय माणूस पशूसमान होतो. स्त्री आणि पुरुष या दोघांनीही शिक्षण घेणे अत्यंत आवश्यक आहे. जर स्त्रियांना शिक्षण देण्यात आले नाही, तर अर्धा अधिक समाज मागासलेला राहील. आजकाल जगातील पुष्कळशा भागांत आपणांस स्त्री—शिक्षणाचे चांगले परिणाम दिसून येतात. परिणामत: पुष्कळ वाईट रीतिभाती आणि अंधश्रध्दा समाजातून वेगाने नाहीशा होत आहेत. राष्ट्रीय विकासाच्या प्रत्येक क्षेत्रात आज स्त्रिया पुरुषांच्या बरोबरीने काम करीत आहेत आणि त्यांच्या बरोबरीनेच जबाबदारीच्या कामात त्यांना मदत करीत आहेत.

२. समाजातून वेगाने नाहीशा होणाऱ्या गोष्टी— १..... २..... (१)

३. 'स्त्री शक्ती' या विषयावर तुमचे विचार तुमच्या शब्दांत लिहा. (२)

कृती २. **खालील पद्यपंक्तीच्या आधारे सूचनेनुसार कृती करा.** (०८)

१. कवयित्रीने या मार्गाने सांगावा पाठवला — _____ (१)

२. इंदिरा संत यांनी ही आळी भाजून ठेवली — _____ _____ (१)

३. यामुळे बाळांची तोंडे कोमेजली — _____ (१)

४. बैल ठाणबंदी झाल्यामुळे हे बेचैन झाले. ———————————— (१)

पीठ कांडते राक्षसी
तसें कडाडतें ऊन:
प्राणसई घनावळ
कुठे राहिली गुंतून?
दिला पाखरांच्या हातीं
माझा सांगावा धाडून

पडवळा —भोपळयांचीं
आळीं ठेविलीं भाजून,
हुडा मोडून घरांत
शेणी ठेविल्या रचून,
बैल झाले ठाणबंदी,
झाले मालक बेचैन,

ये ग ये ग घनावळी
मैत्रपणा आठवून...

तोंडे कोमेलीं ळांचीं
झळा उन्हाच्या लागून,

५. 'प्राणसई घनावळ कुठे राहिली गुंतून' या काव्यपंक्तीतील आशयसौंदर्य १०ते १२ओळींत तुमच्या शब्दांत लिहा. (४) (०६)

कृती ३ खालील उताऱ्याच्या आधारे सूचनेनुसार कृती करा. (१)

१. नाटक हा . . . . . साहित्यप्रकार आहे —
१)लिखित २)श्राव्य ३)दृक्—श्राव्य (१)

२. भारतीय नाटयकलेचे जनक — [ ] (२)

३. यावर नाटकाच्या प्रयोगाची सफलता अवलंबून असते —
१) [ ] २) [ ] ३) [ ] ४) [ ]

लेखकाने लिहिलेले नाटक हे कलाकारांनी सादर करायचे असते. चित्र किंवा शिल्प हे घडताच दिसू लागते; पण नाटक हे प्रत्येक वेळी करून दाखवावे लागते. नाटक हे दृक्—श्राव्य असल्याने ते लिहिणारे, त्याचा प्रयोग करणारे, प्रत्यक्ष अभिनय करणारे, तंत्रज्ञ आणि तो प्रयोग पाहणारे अशा सगळयांच्या समन्वयावर आणि सहकार्यावर नाटकाच्या प्रयोगाची सफलता अवलंबून असते. नाटक हा कथा, कादंबरी, कविता याप्रमाणे एक साहित्यप्रकार आहे. यामध्ये अभिनेता किंवा अभिनेत्री अभिनय करत असतात. लेखकाने लिहिलेले संवाद अभिनेत्यांमार्फत प्रेक्षकांपर्यंत पोहोचवले जातात. मुळात नाटक हा 'दृक्—श्राव्य' साहित्यप्रकार आहे. ते ऐकता, पाहता व वाचता येते. नाटयवाचनातून अन्य साहित्यप्रकारांप्रमाणे आपल्याला नाटकाचा आनंद घेता येतो. नाटक रंगमंचावर सादर करता येते.

भारतात प्राचीन काळापासून नाटयकला अस्तित्वात होती. भरतमुनी यांना 'भारतीय नाटयकलेचे जनक' असे म्हणतात. नाटकाविषयी सखोल माहिती करून देणारा 'नाटयशास्त्र' हा ग्रंथ त्यांनी लिहिला. त्यांच्या मते, 'नाटक हे मानवी जीवनातील निरनिराळया अवस्थांचे, घटनांचे, प्रसंगाचे, त्यांतील वेगवेगळया भाव—भावनांचे, वृत्ती—प्रवृत्तींचे व लोकव्यवहारांचे अनुकरण करणारे चित्रण आहे.'

'मानवी जीवनात अवतीभोवती घडणाऱ्या अनेक नाटयमय प्रसंगांतून, घटनांमधून, जाणवणाऱ्या माणसामाणसांतील गुण—अवगुणांमधून त्यांच्यातील भावनांची आंदोलने, वास्तवाधारित परंतु काल्पनिक कथानकात गुंफून, ते उत्तम संवादलेखनातून, दिग्दर्शकाच्या मार्गदर्शनाखाली, कलाकारांच्या अभिनयाद्वारे, तंत्रज्ञानाच्या साहाय्याने रंगमंचावर प्रेक्षकांसमोर सादर करणे म्हणजे 'नाटक' होय.

४. नाटक या साहित्यप्रकाराचे वेगेळेपण तुमच्या शब्दांत ६ ते ८ ओळींत लिहा. (२)

किंवा

४. नाटक या वाङ्मयीन प्रकाराची वैशिष्ट्ये ६ ते ८ ओळींत लिहा (२) (१२)

कृती ४: खालीलपैकी कोणत्याही दोन कृती सोडवा. (६)

१. दिलेल्या मुद्दयांच्या आधारे सूत्रसंचालनाची माहिती १२ ते १५ ओळींत लिहा.
सूत्रसंचालन म्हणजे.....सूत्रसंचालन करण्यापूर्वी करावयाच्या गोष्टी.... सूत्रसंचालनात टाळावयाच्या गोष्टी. (६)

२. तुमच्या कॉलेजच्या वार्षिक स्नेहसंमेलनाची कार्यक्रमपत्रिका तयार करा. (६)

३. दिलेल्या मुद्दयांच्या आधारे मुद्रितशोधनाची माहिती १२ ते १५ ओळींत लिहा.
मुद्रितशोधन म्हणजे.....मुद्रितशोधक म्हणजे.....महत्त्व. (१२)

कृती ५. सूचनेनुसार कृती सोडवा (१)

अ) १. खाली दिलेल्या पर्यायातून शब्दशक्ती ओळखून लिहा.
१)अभिधा २)प्रसाद ३)ओज (१)

२. 'घरावरून मिरवणूक गेली. या वाक्यातील शब्दशक्ती लिहा.
१)अभिधा २)व्यंजना ३)लक्षणा (१)

आ) १. 'घेई छंद मकरंद, प्रिय हा मिलिंद' या काव्यपंक्तीतील काव्यगुण ओळखा.
१)ओज २)प्रसाद ३)माधुर्य (१)

२. आता उठवू सारे रान, आता पेटवू सारे रान ' या वाक्यातील काव्यगुण ओळखा.
१)प्रसाद २)माधुर्य ३)ओज (१)

इ) १. 'आई स्वयंपाक करते.' (वाक्य प्रकार ओळखा)
१)केवल वाक्य २)संयुक्त वाक्य ३)मिश्र वाक्य (१)

२. नाटकाची तिसरी घंटा झाल्यावर नाटकाला सुरुवात झाली. (संयुक्त वाक्य करा). (२)

ई) खाली दिलेल्या शब्दांचे विरुध्दार्थी शब्द लिहा
१. अज्ञान X [ ] २.सुप्रसिध्द X [ ] (१)

उ) १. खाली दिलेल्या पर्यायातून उपसर्गघटित शब्द लिहा.
१) भिंग २)गणित ३)अतिशय ४)विहीर (१)

२. खाली दिलेल्या पर्यायातून प्रत्ययघटित शब्द लिहा.
१) पुस्तक २)आनंद ३)दुःख ४)माननीय (१)

ऊ) १. खाली दिलेल्या पर्यायातून पूर्णाभ्यस्त शब्द लिहा.
१)घटकाभर २)उन्हाळा ३)हळूहळू ४)ग्रामीण (१)

२. खाली दिलेल्या पर्यायातून अंशाभ्यस्त शब्द लिहा.
१) सफलता २)वर्षबिर्ष ३)कुशल ४)प्रेरणा

Navkonkan Education Society's

Date:- 0 7 NOV 2023 D.B.J. College, Chiplun Roll No.:

Terminal Examination 2023-2024

Class-XI Science

Time:-2 .00 Hrs. Sub :–Information Technology Max. Marks:-50

Note **All questions are compulsory.**

Q.1 **Fill in the blanks.** **(05)**

1. The____ are keywords enclosed within angular brackets.
2. A group of_____ bits is called as nibble.
3. _____ is made up of rows and column.
4. _____architecture all machines are called as peers.
5. To insert photograph in a webpage the tag required is _____.

Q.2 **State TRUE or FALSE.** **(05)**

1. URL is the address of the web page.
2. Asha is a closed source OS.
3.
 is aexample of container tag.
4. LAN is difficult to setup.
5. Monitor is a output device.

Q.3A **Multiple ChoiceQuestion(Single Correct Answer).** **(10)**

1. A collection of webpage is called _____.
   a)Web page b) Website c) document d) Web server e) Web client
2. The _____ software is also called end-user programs.
   a) System b) application c) user d) cliente) Browser
3. Example of web browser is _____.
   a) Google Chrome b)URL c) GNU Khata d) Libre Office Writer
   e)PostgreSQL
4. In HTML, the form is created by using _____ tag.
   a) <form> b)<webpage> c) <table> d) <nav> e)<body>
5. The ___ tag displays text is small font size.
   a) <S> b) <Small> c) <Short> d) <min> e)<big>
6. OCR is a_____ device.
   a) Output b)input c) input & output d) all of these
7. All the heading levels have _____ attribute.
   a) align b) bgcolor c) color d) width e) size
8. The _____ can be character ,word, number or raw facts.
   a) Data b) information c)communication d hardware e) process data
9. The _____ attributes sets the background color for the table.
   a) color b) background color c) bgcolor d) backcolor e) text
10. In Linux users home directories are stored in _____.
    a) /tmp b) /bin c) /etc d) /home e) /etc

Q.4 **Multiple Choice Question(Two Correct Answer).** **(10)**

1. Following are the components of web.
   a) Webpage b) web design c) web server d) web structure e) ULR

Date: 8 NOV 2023

Navkonkan Education Society's
D.B.J College,Chiplun
XI Terminal Examination 2023-2024

Roll No. | | | |

Time:- 2 ½ Hrs | Subject:- Mathematics | Pages:-02 | Marks: 50

SECTION A

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

i) If the vertices of triangle are (0,0) ,(1,2) and (4,3) then the area is

a) $\frac{11}{2}$ sq.units b) 32 sq.units c) $\frac{3}{2}$ sq.units d) $\frac{5}{2}$ sq.units

ii) If $\theta = 60^0$ then $\frac{1+tan^2\theta}{2tan\theta}$ is equal to

a) $\frac{\sqrt{3}}{2}$ b) $\frac{2}{\sqrt{3}}$ c) $\frac{1}{\sqrt{3}}$ d) $\sqrt{3}$

iii) If I is a unit matrix then 3I will be

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

iv) If w is a complex cube root of unity then the value of $w^{99} + w^{100} + w^{101}$ is

a)-1 b)1 c) 0 d) 3

v) Sum to infinity of a G.P $5, \frac{-5}{2}, \frac{5}{4}, \frac{-5}{8}$ ..... is

a) 5 b) $\frac{-1}{2}$ c) $\frac{10}{3}$ d) $\frac{3}{10}$

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

i) Compute : $\frac{12!}{6!}$

ii) Find the value of n if $6P_2$ = n $6C_2$

iii) Evaluate : $\begin{vmatrix} 2 & 3 & 5 \\ 400 & 600 & 1000 \\ 48 & 47 & 18 \end{vmatrix}$

iv) Find the value of cot(-1110^0)

SECTION - B

Attempt any <u>EIGHT</u> of the following . (Two marks each) **16**

Q.3 If tan A = $\frac{5}{6}$; tan B = $\frac{1}{11}$ then prove that A + B = $\frac{\pi}{4}$

Q.4 Express angle ($245.33)^0$ in degrees,minutes and seconds.

Q.5 Prove that $\sqrt{2}\cos(\frac{\pi}{4} - A)$ = cosA + sinA

Q.6 If $A = \begin{bmatrix} 1 & -2 \\ 5 & 6 \end{bmatrix}$ $B = \begin{bmatrix} 3 & -1 \\ 3 & 7 \end{bmatrix}$. Find AB -2I where I is unit matrix of order 2.

Q.7 Eliminate θ from $x = 3\sec\theta$; $y = 4\tan\theta$

Q.8 Show that $C_0 + C_1 + C_2 + \ldots\ldots + C_{10} = 1024$.

Q.9 If A = diag [6,-5,7] ; B = diag [-2,8,-17] and C = diag [0,1,3] then find B– A + C.

Q.10 Express Z = -1 in polar form.

Q.11 The numbers 3 , x and x+6 are in G.P then find x.

Q.12 How many words can be formed by writing letters in the word in **CROWN** in different order.

Q.13 Find 3rd term in the expansion of $(3x^2 + 2y)^5$

SECTION - C

Attempt any FOUR of the following (Three marks each) 12

Q.14 If $\sin A = \frac{-5}{13}$; $\pi < A < \frac{3\pi}{2}$; $\cos B = \frac{3}{5}$; $\frac{3\pi}{2} < B < 2\pi$ Find sin(A+B)

Q.15 Find x , if $\begin{bmatrix} 1 & x & 1 \end{bmatrix} \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 3 & 2 & 5 \end{bmatrix} \begin{bmatrix} 1 \\ -2 \\ 3 \end{bmatrix} = 0$

Q.16 Find value of $x^4 + 9x^3 + 35x^2 - x + 164$,if x = - 5 + 4i

Q.17 Find the sum to n terms. 0.4+0.44+0.444+.....

Q.18 Find n and r if $n_{P_r} = 720$; $n_{C_{n-r}} = 120$

Q.19 In the expansion of $(k+x)^8$,the coefficient of x^5 is 10 times the coefficient of x^6 .find the value of k.

SECTION - D

Attempt any TWO of the following (Four marks each) 8

Q.20 Two circles each of radius 7 cm intersect each other .The distance between their centres is $7\sqrt{2}$ cm. Find the area of the portion common to both the circles.

Q.21 In ΔABC ,A+B+C = π show that $\sin^2\left(\frac{A}{2}\right) + \sin^2\left(\frac{B}{2}\right) - \sin^2\left(\frac{C}{2}\right) = 1 - 2\cos\left(\frac{A}{2}\right)\cos\left(\frac{B}{2}\right)\sin\left(\frac{C}{2}\right)$

Q.22 Solve the quadratic equation $x^2 - (2+i)x - (1-7i) = 0$

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.