XII Science

Terminal

Examination

2024-25

Date 28/10/2024 | Navkokan Eduction Society's | Seat/Roll No.

D. B. J. College, Chiplun

XII Science & Commerce Terminal Examination 2024-25

Time - 2:30 Hrs. | **Sub. - Sanskrit** | **Pages - 5** | **Max. Marks - 50**

प्रथमः विभागः - सुगमसंस्कृतम् (4)

प्रश्नः 1 अ) चित्रं दृष्ट्वा व्यावहारिकसूचनाः लिखत। 2





प्रश्नः 1 ब) अधोदत्तान् शब्दान् योग्यस्तबके वर्गीकुरुत। (6 तः 4) 2

कला	क्रीडा	वाद्यम्
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(मञ्जूषा - तक्षणम्, मोक्षपटः, तूर्यम्, सूपकर्म, जलतरणम्, भेरी)

द्वितीयः विभागः - पद्यम् (6)

(अवबोधनं, शब्दज्ञानं, पृथक्करणं, सरलार्थः, अन्वयपूर्तिः)

प्रश्नः 2 अ) पद्यांशं पठित्वा निर्दिष्टाः कृतीः कुरुत। 4

अ 1) अवबोधनम् (3 तः 2) 2

1) उचितं वाक्यांशं चित्वा वाक्यं पुनर्लिखत।
पद्यायाः ---------- नास्ति।
1. विद्वत्सु मत्सरः
2. मूर्खे रतिः

2) पूर्णवाक्येन संस्कृतभाषया प्रश्नं लिखत।
विद्वान् सर्वजनेषु पूजिततमो।

3) विशेषणे चिनुत।
पद्या - ------, ------

पद्ये मूढजने ददासि विभवं विद्वत्सु किं मत्सरः?
नाहं मत्सरिणी, न चापि चपला नैवास्ति मूर्खे रतिः ।
मूर्खेभ्यो द्रविणं ददामि नितरां तत्कारणं श्रूयतां
विद्वान्सर्वजनेषु पूजिततमो मूर्खस्य नान्या गतिः ॥४॥

अ 2) पृथक्करणम् - स्तम्भपूरणं कुरुत। 2

पद्या	कस्मिन् / कस्मै?	किं ददाति?
1) पद्या	--------	--------
2) पद्या	--------	--------

अथवा

अ 2) शब्दज्ञानम्। 2

1) सन्धिविग्रहं कुरुत। - नैवास्ति

2) मूर्खस्य नान्या गतिः। - मूर्खस्य इत्यस्य स्थाने तद् सर्वनाम्नः योग्यं रूपं योजयत।

प्रश्नः 2 आ) रिक्तस्थानानि पूरयित्वा अन्वयं लिखत। अथवा सरलार्थं लिखत। 2

विन्यस्तहस्तः स्वनितम्बबिम्बे कल्पद्रुमो भक्तमनोरथानाम् ।
तिष्ठत्यपास्य श्रममिष्टकायामनादिकालादिह पाण्डुरङ्गः ॥४॥

भक्तव्रजस्तालमृदङ्गनादैर्गर्जन्मुहुर्विठ्ठल-विठ्ठलेति ।
आषाढमासे प्रतिवर्षमत्र क्षेत्रं समागच्छति पौण्डरीकम् ॥५॥

अन्वयः - श्रमम् अपास्य स्वनितम्बबिम्बे ------ भक्तमनोरथानां कल्पद्रुमः ----- अनादिकालात् इह इष्टकायां ----- । अत्र प्रतिवर्षम् आषाढमासे तालमृदङ्गनादैः विठ्ठल विठ्ठल इति गर्जन् ----- पौण्डरीकं क्षेत्रं समागच्छति।

तृतीयः विभागः - गद्यम् (9)

(अवबोधनं, शब्दज्ञानं, पृथक्करणं, स्पष्टीकरणम्)

प्रश्नः 3 अ) गद्यांशं पठित्वा निर्दिष्टाः कृतीः कुरुत।

अ 1) अवबोधनम् (3 तः 2) 4

1) रेखाङ्कितं पदम् आधृत्य संस्कृतभाषया प्रश्ननिर्माणं कुरुत। 2

तैलेन शिरोमर्दनम् आवश्यकम्।

2) पूर्णवाक्येन उत्तरं लिखत।

काः वनौषधयः?

3) वाक्यं पूर्णं लिखित्वा सत्यं वा असत्यम् इति लिखत।

यदा केशाः कृष्णाः सन्ति तदा प्रसाधनं न शोभते।

केशसंवर्धनस्य कृते ब्राह्मी-आमलक-भृङ्गादि-वनौषधियुक्तेन तैलेन शिरोमर्दनम् आवश्यकम् । वराहमिहिरेण बृहत्संहितायाम् उक्तम्-

"स्नग्गन्धधूपाम्बरभूषणाद्यं न शोभते शुक्लशिरोरुहस्य ।" (बृहत्संहिता ७७.१)

अतः शुक्लकेशानां कृष्णीकरणम् तेनोपदिष्टम् । 'तदुपायेन बकस्य पक्षौ अपि कृष्णवर्णौ भवतः, किं पुनः कुन्तलविषये?' इति तस्य गर्वोक्तिः।

केशधूपकृते स्वेदयूकादीनां नाशो भवति तथैव केशाः सुगन्धेन विराजन्ते । चूडा-वेणी-आग्रातक-धम्मिल्लादयः केशरचनाविशेषाः माल्य-मुक्ताजालादिभिः आभरणैः रमणीयतराः दृश्यन्ते ।

अ 2) पृथक्करणम् - जालरेखाचित्रं पूरयत। 2

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केशरचनाविशेषाः

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अथवा

अ 3) शब्दज्ञानम्।

1) सन्धिविग्रहं कुरुत। - तेनोपदिष्टम् 2

2) आभरणैः रमयतराः दृश्यते। - आभरणैः इत्यस्य स्थाने तद् सर्वनाम्नः योग्यं रूपं योजयत।

प्रश्नः 3 ब) माध्यमभाषया ससन्दर्भं स्पष्टीकुरुत। (2 तः 1)

1) सूत्रपरीक्षामात्रः प्रदीपः। 5

2) न कापि श्रेष्ठा कनिष्ठा वा।

चतुर्थः विभागः - नाट्यम् (9)

(अवबोधनं, शब्दज्ञानं, पृथक्करणम्, स्पष्टीकरणम्)

प्रश्नः 4 अ) नाट्यांशं पठित्वा निर्दिष्टाः कृतीः कुरुत। (3 तः 2)

अ 1) अवबोधनम् 2

1) वाक्यं पूर्णं लिखित्वा सत्यं वा असत्यम् इति लिखत।

भीमस्य दक्षिणबाहुमध्ये आयुधम् अस्ति।

2) रेखाङ्कितं पदम् आधृत्य संस्कृतभाषया प्रश्ननिर्माणं कुरुत।

इदमुपपन्नं पितुर् मे।

3) संस्कृतभाषया पूर्णवाक्येन उत्तरत।

भीमसेनस्य किं पृच्छति?

भीमः : कालान्तकयमसदृशो रिपूणां निग्रहे रतः।
अयं तु दक्षिणो बाहुरयुतं सहजं मम॥

घटोत्कचः : इदानीं ज्ञातुमिच्छामि भीमसेनस्य।

भीमः : अथ कोऽयं भीमो नाम!

विश्वकर्ता शिवः कृष्णः शक्रः शक्तिधरो यमः।
एतेषु कथ्यतां भद्र केन ते सदृशः पिता॥

घटोत्कचः : सर्वैः।

भीमः : मिथ्यैतत्।

घटोत्कचः : कथं कथमनृमित्याह। क्षिपसि मे गुरुम्। भवतु। इमं स्थूलं वृक्षमुत्पाट्य प्रहरामि। (उत्पाट्य प्रहरति।) (आत्मगतम्) कथमनेनापि न शक्यते हन्तुम्। किं नु खलु करिष्ये। भवतु, दृष्टम्।

अ 2) शब्दज्ञानम् 2

1) प्रथमाविभक्त्यन्तपदे चित्वा लिखत।
2) समानार्थकशब्दयुगलं चित्वा लिखत।
3) पूर्वकालवाचक-हेत्वर्थक-धातुसाधित-अव्यये चित्वा लिखत।

अथवा

अ 2) पृथक्करणम् - स्तम्भं पूरयत। 2

1) घटोत्कचस्य पिता -------- ।
2) घटोत्कचस्य आयुधम् -------- ।
3) भीमस्य पुत्रः -------- ।
4) भीमस्य आयुधम् -------- ।

प्रश्नः 4 ब) माध्यमभाषया ससन्दर्भं स्पष्टीकुरुत। (2 तः 1) 5

1) पुत्रापेक्षीणि खलु पितृहृदयानि।
2) दैवतं खल्वस्माकम्।

पञ्चमः विभागः - भारतविद्या, नाट्यम् (3)

प्रश्नः 5) उचितं पर्यायं चित्वा पूर्णवाक्येन उत्तरं लिखत। (4 तः 3) 3

1) शिवगणेशमूर्तिमहोदयः ------विषये लिखितवान्।
(पुरातत्त्वशास्त्र, पुराभिलेखविद्या, हस्तलिखितशास्त्र)
2) मूर्तिशास्त्रस्य लेखकः ------ ।
(शिवगणेशः, नी.पु. जोशी, मिराशी)
3) सिन्धुसंस्कृतिः ------महोदयेन अन्विष्टा।
(वाकणकर, साङ्कलिया, राखालदास)
4) ------ प्राचीनः नाटककारः।
(दिङ्नागः, दासगुप्तः, भटः)

षष्ठः विभागः - लेखनकौशलम् (8)

प्रश्नः 6) अधोनिर्दिष्टे कृती कुरुत। (3 तः 2) (8)

1) मञ्जूषातः शब्दान् चित्वा रिक्तस्थानानि पूरयित्वा चित्रपटवर्णनं पुनर्लिखत। (4)

मानवाः च परग्रहवासिनः च, एतयोः ---- सङ्गमेन जाताः अवतारः तथा तेषां परस्परं मैत्रवैरयोः रमणीया कथा नाम अवतार चित्रपटः। चित्रपटस्य कथा भविष्यद्दर्शिनी अस्ति। कथानुसारं, मानवानां च परग्रहवासिनां च सङ्गमेन जाताः केचन मिश्रजीवाः नाम अवताराः। 2154 तमे ---- पृथिव्यां प्राकृतिकसंसाधनानां सम्पूर्णः अभावः जायते। तेन पार्थिवाः मानवाः पाण्डोरा नाम ---- उपग्रहे ऊर्जान्वेषणाय सिद्धाः भवन्ति। किन्तु पाण्डोरावासिनः मानवानां विरोधं कुर्वन्ति। तं विरोधं शमयितुं पार्थिवाः मिश्रजीवान् अवतारान् तत्र प्रेषयन्ति। अनन्तरं च अवतारैः सह कांश्चन पार्थिवान् अपि पाण्डोरा- ---- प्रति प्रेषयन्ति।

एतेषां ---- परस्परं संघर्षः उत्पद्यते। युद्धं च आरभते। अवतारेषु जेक नाम प्रधानः उपग्रहवासिनां साहाय्यं करोति। कथायाः अन्ते सर्वे उपग्रहवासिनः जीवाः ---- निष्कास्य पृथिवीं प्रति प्रेषयन्ति।

अस्याः ---- कृते जेम्स् महोदयः विविधविषयाणां गहनम् अध्ययनम् अन्वेषणं च कृतवान्। कथायामागतानि कानिचन पात्राणि भारतीयपौराणिकदेवताः ---- कल्पितानि। अयं चित्रपटः पर्यावरणविषये जागरणं निर्मातुकामः।

(मञ्जूषा - आधृत्य, कथायाः, पार्थिवान्, सर्वेषां, उपग्रहं, चन्द्रसदृशे, अब्दे, उभयोः)

अथवा

2) निमन्त्रणपत्रिकायाः आधारेण संस्कृतभाषया वृत्तान्तलेखनं कुरुत। (4)

निमन्त्रणम्

॥ विद्या विनयेन शोभते ॥

आम्बेडकर-महाविद्यालयः, परभणी

आयोजयति

संस्कृतदिननिमित्तेन व्याख्यानम्

प्राचीननीतिशास्त्रेषु लोकतन्त्रस्य तत्त्वानि

व्याख्यात्री – श्रीमती सुनीता पटेल (संस्कृतज्ञा, विधान-सभा-सदस्या)

प्रमुखातिथिः – डॉ. गोरखनाथः धडफळे । (निवृत्तः न्यायाधीशः, औरङ्गाबाद-न्यायालयः)

स्थलम्– रमाई-सभागृहम्, आम्बेडकर-महाविद्यालयः, परभणी ।

समयः– प्रातः १०.०० तः १२.०० । दि. १६ ऑगस्टः २०--

* संयोजकाः *

मधुरा काम्बळे	प्रीतेशः कुम्भारः	सुजयः महालमाने
संस्कृतविभागप्रमुखा	छात्रप्रमुखः	कार्यप्रमुखः
sanskritlove4@yahoo.com	९४××××××२३	juli26@gmail.com

अथवा

3) एकं विषयम् अधिकृत्य संस्कृतभाषया 8 – 10 वाक्येषु निबन्धलेखनं कुरुत। (4)

1. भारतविद्या
2. मम प्रियः क्रान्तिवीरः
3. मम प्रियः ऋतुः

सप्तमः विभागः – भाषाभ्यासः (8)

प्रश्नः 7) अधोनिर्दिष्टाः कृतीः कुरुत। (5 तः 4) 8

अ) नामतालिकां पूरयत। (6 तः 4) 2

नाम	प्रातिपदिकम्	अन्तम्	लिङ्गम्	विभक्तिः	वचनम्
अम्भसि	------	सकारान्तम्	नपुंलिङ्गम्	------	एकवचनम्
विपदाम्	विपद्	दकारान्तम्	-------	------	बहुवचनम्
रक्षकौ	------	-------	पुंलिङ्गम्	प्रथमा	द्विवचनम्

आ)समासतालिकां पूरयत। (6 तः 4) 2

समस्तपदम्	विग्रहः	समासनाम
ग्रामभृतकवैदेहकाः	———	द्वन्द्वः
तीर्णजलधिः	———	बहुव्रीहिः
परमोत्कर्षः	———	कर्मधारयः
———	सह्यम् आश्रितः	द्वितीयातत्पुरुषः
असन्तः	न सन्तः	———
सहानुजः	अनुजेन सह	———

इ) तद्धितान्तकृदन्तयोः स्तम्भं पूरयत। (6 तः 4) 2

तद्धितान्ताः	कृदन्ताः
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(मञ्जूषा - योग्यता, द्रष्टुम्, पौरुषम्, परिपालनम्, वैदिकाः, करदाः)

ई) समानार्थकशब्दं लिखत। (6 तः 4) 2

जगत् कलहः द्विरेफः मृद् गङ्गा वस्त्रम्

उ) सूचनानुसारं परिवर्तनं कुरुत। (5 तः 2) 2

1)लकारं परिवर्तयत।

राजा अभयवनानि कारयेत्। (लट्-लकारः)

2)वचनं परिवर्तयत।

अम्बा कुप्यति। (बहुवचनम्)

3)सति सप्तमी रचनां निष्कासयत।

चिन्तनमग्नासु सर्वासु भाषासु सरस्वती वदति।

4)वाच्यपरिवर्तनं कुरुत।

वराहमिहिरेण उक्तम्।

5)पूर्वकालवाचक-धातुसाधित-अव्ययं निष्कासयत।

बालशौण्डीर्यं दृष्ट्वा अहं सौभद्रं स्मरामि।

अष्टमः विभागः - अपठितम् (3)

प्रश्नः 8) संस्कृतवाक्यानां माध्यमभाषया अनुवादं कुरुत। (4 तः 3) 3

1) सर्वदेवमयो राजा, राजाज्ञा बलवत्तरी।
2) मया जीवने सर्वविधानि सुखदुःखानि दृष्टानि।
3) सर्वेषां हितम् एव कामयताम्।
4) सज्जनः महात्मानं नमस्कृत्य प्रस्थितवान्।

Date: 23 OCT 2024

Navkonkan Education Society's
D. B. J. College, Chiplun
XII Terminal Examination 2024-2025

Roll No.

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

General Instructions: The question paper is divided into four sections

Date- 28 OCT 2024

Navkonkan Education Society's

Roll No-

D.B.J. COLLEGE CHIPLUN

TERMINAL EXAMINATION 2024-25

Subject- I.T. Class *XIIth(Science)*

Time-02 Hrs | Pages-2 | Marks- 50

Q1 **Fill in the blanks** 5

1 ……. is used to specify multiple media resources for media elements.
2 Web hosting is the service of providing ……
3 Java script is …… scripting language, as it does not support all features of object oriented programming language.
4 …. method of javascript removes whitespace from both sides of a string.
5 In,…. type of E-commerce, business sells its products to an intermediate buyer who then sells product to customer.

Q2 **State TRUE or FALSE** 5

1 The success of social commerce campaign is measured by degree to which consumer interact with company through likes, retweets, share etc.
2 G2G refers to secure inter-relationship between domestic or foreign government.
3 Array is useful when you need to store large amount of data of the same type.
4 Group selector is used to minimize the code.
5 Client side script does not need any server interaction.

Q3 **Multiple choice SINGLE answers.** 5

1 In an image map, --------attribute acts as a pointer which indicate that the image is a client side image map.
a)usemap b)ismap c)map d)name
2 ---is the electronic exchange of business information in standardized format among trading partners.
a)E-commerce b)EDI c)Internet commerce d)G2E
3 ----method displays message box with OK and CANCEL button.
a)confirm() b)alert() c)prompt() d)charAt()
4 Order and Deliver are the sub-phases of ----- phase of trade cycle.
a)Execution b)Settlement c) Pre-sale d)after-sales
5 ------ is the series of exchanges between customer and supplier that takes place when a commercial exchange is executed.
a)EDI b)Trade cycle c)Encryption d)Decryption

Q4 **Multiple choice TWO answers.** 10

1 Search engines primarily takes keywords from-------and----------
a)heading tags b)body tag c) marquee tag d) title tag e) html tag
2 The examples of C2C model are---
a)EDI b)OLX c)Quikr d)ISP e)Amazon
3 Java script supports two types of objects viz….
a)Built-in b)hierarchy c)break d)user-defined e)switch-case
4 'Shape' attribute of <area> has following values-----
a)square b)rectangle c)circle d)star e)polygon

5 A CSS rule set contains-------and------

a)set b)selector c)post d)declaration block e)definition

Q5 Multiple choice THREE answers. 3

1 Valid attributes of <area> are..

a)alt b)align c)bgcolor d)length e)shape f)coords

Q6 Match the pairs 2

Column A	Answer	Column B
1.Dedicated hosting		a. singular tag
2.		b. srcdoc
3. <area>		c. Reversed
4.<iframe>		d. paid server for large websites
		e. group selector

Q7 Answer the following. (any FIVE) 1

1 Explain external style sheet with an example.

2 What is web hosting?

3 Give any FOUR features of JavaScript.

4 Advantages of E-commerce.

5 What is DOM? Give 3 methods of Window object with its significance.

6 What is encryption?

Q8 Write codes for following- 1

A) Write html code and css with following specifications-

1) a) Create a form that should accept name, age, date birth, gender and comment.
b) Must have submit and reset button
c) The heading of the form should have pink background color with different font style

OR

2) a)The background color of the Company Name should be Pink with font style 'Helvetica.
b) The text color of paragraph describing Company should be Cyan.
c) Salient features of the institute using unordered list.
d) An image must be inserted

B) 1) Write event driven javascript code such a way that, accept two numbers from user and display square of first number and cube of another number respectively.

OR

2) Write event driven javascript code such a way that, accept text 'Sachin' and 'Tendulkar' from two separate text boxes and display message "Welcome Sachin Tendulkar" in alert dialog box after clicking on button.

Date: 23 OCT 2024

Navkonkan Education Society's
D. B. J. College, Chiplun
XII Terminal Examination 2024-2025

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 indicate full marks.

SECTION-A

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

(i) If the angular velocity of body increased by 10% then its K.E. of rotation will increases by
(A) 80% (B) 40%
(C) 31% (D) 21%

(ii) In an ideal gas the molecules posses
(A) Only kinetic energy (B) Only potential energy
(C) Both kinetic and potential energy (D) Rotational kinetic energy

(iii) If the maximum velocity and acceleration of a particle executing SHM are equal in magnitude the time period will be
(A) 1.57 s (B) 3.14 s
(C) 6.28 s (D) 12.56 s

(iv) The wavefront obtained from a point source of light is
(A) Plane wavefront (B) Spherical wavefront
(C) Cylindrical wavefront (D) Ellipsoidal wavefront

(v) Condenser is a device used to store
(A) large potential at low charge (B) low potential at low charge
(C) large charge at low potential (D) large charge at large potential

(vi) In potentiometer experiment, the cell balances at a length of 240 cm. When the cell is shunted by a resistance of 2 Ω, the balancing length becomes 120 cm. The internal resistance of cell is:
(A) 4 Ω (B) 2 Ω
(C) 1 Ω (D) 0.5 Ω

(vii) Chalk particle cling to the black board due to:
(A) capillarity (B) compression
(C) cohesion (D) adhesion

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

(i) Define ideal simple pendulum.

(ii) 2000 calories of radiant heat is incident on a body. If the body absorbs 500 calories of heat, find the coefficient of emission of the body.

(iii) If the rotational K.E. and transitional K.E. of a rolling body are same, then what is the shape of a body?

(iv) If the ratio of amplitudes of two waves is 4:3, then find the ratio of maximum and minimum intensities.

(v) State the relation between electric charge, electric potential and capacity.

(vi) Four resistances 4 Ω, 8 Ω, X Ω and 6 Ω are connected in series so as to form Wheatstone's network. If the network is balanced then what is the value of X?

(vii) State SI unit of coefficient of viscosity.

SECTION-B

Attempt any **Eight.**

Q. 3 Draw a neat labelled diagram showing components of forces acting on a vehicle moving on a curved road.

Q. 4 State Stefan-Boltzmann law of radiation and give the dimension of σ.

Q. 5 An infinite line charge produces a field of 9×10^4 N/C at a distance of 2 cm. Calculate the linear charge density.(Given $\varepsilon_0 = 8.85 \times 10^{-12}$ C^2/Nm^2).

Q. 6 If the critical angle of a medium is $\sin^{-1}(3/5)$. Find the polarising angle.

Q. 7 Obtain differential equation of linear SHM.

Q. 8 A voltmeter has a range of 0-20 and a resistance of 500 Ω. Explain how can be it used to measure voltages from 0-200 V?

Q. 9 State and explain Newton's law of viscosity.

Q.10 Draw a diagram of a reflection of light from a plane reflecting surface using a plane wavefront.

Q.11 Derive the expression for maximum safety speed of a vehicle along horizontal curved road.

Q.12 At what distance from mean position is the speed of a particle performing SHM half its maximum speed (Given path length =10 cm).

Q.13 Define angle of contact. State any two properties of angle of contact.

SECTION-C

Attempt any **Four.**

Q.14 State and prove theorem of parallel axes.

Q.15 In a biprism experiment, the fringes are observed in the focal plane of the eyepiece at a distance of 1.2 m from the slit.The distance between the central bright band and the 20th bright band is 0.4 cm. When a convex lens is placed between the biprism and the eyepiece 90 cm from the eyepiece, the distance between the two virtual magnified images is found to be 0.9 cm. Determine the wavelength of light used.

Q.16 Derive an expression for potential energy of a system of two point charges.

Q.17 Potential energy of a particle performing linear S.H.M is $0.1\ \pi^2 x^2$ joule. If mass of the particle is 20 g, find the frequency of S.H.M.

Q.18 Derive an expression for terminal velocity of a spherical object falling under gravity through a viscous medium.

Q.19 At what temperature will nitrogen molecules have the same R.M.S. speed as oxygen molecule at 127^0C?

SECTION-D

Attempt any **Two.**

Q.20 Prove that law of conversation of energy for a particle performing simple harmonic motion. Hence graphically show the variation of kinetic energy and potential energy w.r.t. instantaneous displacement.

Q.21 State the law of equipartition of energy.
A metallic ring of mass 1 kg has moment of inertia 1 kgm^2 when rotating about one of its diameter. It is molten and remoulded into a thin uniform disc of the same radius. How much will its moment of inertia be when rotated about its own axis?

Q.22 Derive an expression for resolving power of telescope.
Find the difference in pressure between inside and outside of spherical water drop of radius 2 mm, if surface tension of water is 73×10^{-3} N/m.

Q.23 Obtain an expression for equivalent capacitance of two capacitors C_1 and C_2 connected in series.
A resistance of 3 Ω is connected in parallel to a galvanometer of resistance 297 Ω. Find the fraction of current passing through the galvanometer.

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

D.B.J.College, Chiplun

XII Terminal Examination (2024-25)

Time -2 $^1/_2$hrs | Sub-**Chemistry** | Pages: 2 | Max. Marks-50

General Instruction: 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 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 contain 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 , 1Cal =4.184 J , $1A^0=10^{-8}$cm, $N_A=6.022\times10^{23}$
(H=1 , O=16 ,N=14 ,C=12 ,Na=23 ,S=32 ,Cl=35.5)

Section – A

Q.1 **Select and write the correct answer:** **[07]**

i. Molecular formula of Urotropine is .....
a) $C_6H_{12}N_4$ b) $C_6H_{24}N_4$ c) $C_6H_{24}N_4O_2$ d) $C_8H_{12}N_4$

ii .....of the following is most reactive towards nucleophilic substitution reaction.
a) $H_2C{=}CH{-}Cl$ b) $H_3C{-}CH{=}CH{-}Cl$
c) C_6H_5Cl d) $Cl{-}CH_2{-}CH{=}CH_2$

iii If millimolar solution of HCl is diluted by100 times, it's pH will become .....
a) 3 b) 4 c) 5 d) 6

iv When an alkyl halide reacts with alcoholic solution of silver cyanide gives product .....
a) Alcohol b) Hydrocarbon c) Isocyanide d) Cyanide

v .....of the following correctly represents integrated rate law equation for a first order reaction in gas phase.
a) $k = \frac{2.303}{t}\log_{10}\frac{P_i}{P_i-P}$ b) $k = \frac{2.303}{t}\log_{10}\frac{P_i}{2P_i-P}$
c) $k = \frac{2.303}{t}\log_{10}\frac{2P_i}{P_i-P}$ d) $k = \frac{2.303}{t}\log_{10}\frac{P_i-P}{2P_i}$

vi In the electrolysis of molten Al_2O_3 with inert electrodes, ...
a) Aluminium is deposited at anode b) O_2 is evolved at anode
c) Al is oxidized to Al^{+3} at anode d) O_2 is evolved at cathode

vii The unit of rate constant for zero order reaction is .....
a) $mol.dm^3\ t^{-1}$ b) t^{-1} c) $mol.dm^{-3}.\ t^{-1}$ d) $mol^{-1}.dm^3.\ t^{-1}$

Q.2 **Answer the following:** **[07]**

i Define enthalpy of atomization.
ii Draw the structure of mesityl oxide.
iii Write the unit of cell constant.
iv What is the $-\overset{|}{C}-O-\overset{|}{C}-$ bond angle in ether ?
v Write balanced chemical equation for conversion of carbolic acid to benzene.
vi Name the reagent which is used to convert α,β unsaturated aldehyde into α,β unsaturated alcohol.
vii Write the conjugate acid of Hydrogen sulphide ion.

Section – B

[16]

Attempt any Eight:

Q.3 Distinguish between order of reaction and molecularity.
Q.4 The standard electrode potential of $Zn^{+2} \mid Zn_{(s)}$ is -0.76V. Calculate it's potential. (0.02M)

Q.5 Explain the path dependence nature of work.

Q.6 Write a note on Finkelstein reaction.

Q.7 What will happens when

a) ethanoyl chloride reacts with dimethyl cadmium.

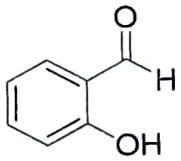
b) 3- phenylprop-1-ene reacts with hydrobromic acid.

Q.8 Explain the optical activity of 2-chlorobutane .

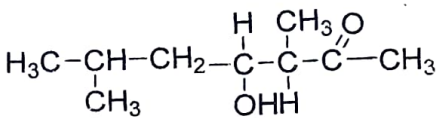
Q.9 The pH of monoacidic weak base is 11.2 .Calculate the degree of dissociation in 0.02M solution.

Q.10 Write the IUPAC names of the following.

a)



b)



Q.11 Explain Gibb's free energy and spontaneity of the process.

Q.12 Explain the nature of aqueous solution of sodium carbonate.

Q.13 Write the method of preparation of Picric acid.

Section – C

Attempt any Four: [12]

Q.14 Convert the following :

a) Ethoxyethane to Chloroethane

b) Aniline to carbolic acid

c) Benzaldehyde to benzophenone

Q.15 Calculate standard enthalpy of the reaction.

$$2C_2H_{6\,(g)} + 7\,O_{2(g)} \rightarrow 4\,CO_{2(g)} + 6H_2O_{(l)}$$

Standard enthalpy of formation of carbon dioxide, water and ethane are -393.59 kJ/mol , -285.89 kJ/mol , -84.9 kJ/mol respectively.

Q.16 Explain the mechanism of alkaline hydrolysis of 2-bromo-2-methylpropane.

Q.17 A conductivity cell is filled with 0.02 M $AgNO_3$ solution at 25^0C gives resistance of 947 ohms, if the cell constant is 2.3 cm^{-1}.What is the molar conductivity of 0.02 M $AgNO_3$ at 25^0C?

Q.18 Explain pseudofirst order reaction with example. State common ion effect.

Q.19 Identify the A, B & C of following reaction and complete the reaction.

$$\text{2 – Bromobutane} \xrightarrow{\text{alc. KOH}} A \xrightarrow{Br_2} B \xrightarrow{NaNH_2} C$$

Section – D

Attempt any Two: [08]

Q.20 i) State and explain Kohlrausch's law.

ii) Write chemical reactions for the following conversions:

(a) Ethanoic acid into acetic anhydride

(b) Chlorobenzene into 4-Chloroacetophenone.

Q.21 i) Define the following

a) solubility product b) Half life period

ii) How propan-1-ol is prepared from diborane?

Q.22 i)A gas expands from 6 dm^3 to 20 dm^3at constant pressure of 2.5 atm. If the system is supplied with 5000J of heat, calculate change in internal energy and work.

ii)Draw the resonating structures of chlorobenzene.

Q.23 i)Write any two applications of emf series.

ii) Write the products obtained in following reactions

a) $H_3C - CHO + NH_2OH \longrightarrow$

b) $H_3C - CO - CH_3 + 3NaOI \longrightarrow$

Date :-

21 OCT 2024

Navkonkan Education Society's

D B J College, Chiplun

Roll No.

XII 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. The oil content in groundnut is ---------- %

a) 32-38 b) 40-44 c) 45-55 d) 52-60

2. Banana is propagated by ----------

a) Bulb b) Tuber c) Sucker d) Cutting

3. Removal of unwanted plant in to seed plot field is known as----------

a) Isolation b) Roguing c) Pollination d) Emasculation

4. Tissue culture is also known as ----------

a) In-vitro culture b) Totipotency c) Explant d) Polyhouse

5. An employee who is paid to manage a farm is known as ----------

a) Labour b) Worker c) Farm manager d) Clerk

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

Group A	Group B
1. Soybean	a) *Mangifera indica*
2. Banana	b) Khasi
3. Papaya	c) Jowar root parasite
4. Striga	d) G - 9
	e) Dioecious species
	f) *Glycine max*

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

1) Wheat has a good bread making quality among all cereals.

2) Molasses is useful for alcohol making

3) Mental abilities quality of farm manager

4) The nursery is the place where pants are propagated and grow to desired age for planting in main field.

5) Bulbils are normal flowers.

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

1) State uses of paddy

2) Draw diagram of typical flower

3) Define parthenogenesis.

4) What is meant by builbils.

5) List out recurring and non-recurring input of farm

6) Define rogueing.

7) Give varieties of sugarcane

P.T.O.

Q.3. Answer the following questions. (Any Four) (12)

1) Write short note on temporary nursery

2) Explain collection of malic acid in gram.

3) State maturity signs of mango.

4) State economic importance of sugarcane

5) State characteristics of good cropping scheme

6) Give objectives of a nursery.

Q.4. Answer the following questions (Any Two) (08)

1) Write importance of ratooning

2) Describe harvesting and yield of santra.

3) Write short note on emasculation and pollination.

4) State importance of nursery.

Q.5. Answer the following questions in details (Any One) (06)

1) Supply information on flowering points regarding hybrid seed production of H-4 cotton crop.

a) Parents- i) Female
ii) Male

b) Parents- i) Female
ii) Male

c) Isolation distance and planting ratio

d) Emasculation

2) Give information about groundnut crop on the following points:
a) Botanical name and family
b) Uses
c) Soil and climate
d) Variety (any four)
e) Sowing season and time
f) Harvesting and yield.

****

Date :- 26 OCT 2024

N. E. Society's
D.B.J. College, Chiplun
XII Science Terminal Examination

Roll No. | | | |

Time- $2\frac{1}{2}$ Hours **Subject- Biology** Page:- 2 Marks – 50

Section –A

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

i Self incompatibility is found in flowers of ---------Plant.
(a) *Calotropis* (b) Maize (c) *Thea* (d) *Gloriosa.*

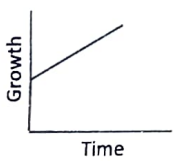
ii Which of the following is the sex chromosomal disorder?
(a) Color blindness. (b) Turner's syndrome.
(c) Thalassemia. (d) Down's syndrome.

iii Which policy is introduced by government of India to conserve forests effectively with local people?
(a) Wildlife protection (b) Chipko movement.
(c) Joint forest management. (d) Joint tree plantation .

iv If diploid number of chromosomes in a flowering plant is 14 then which one of the flowering has 7 chromosomes in -----
(a) Endosperm. (b) Nucellus (c) Synergid (d) Cotyledon.

v In Human foetus, the heart begins to beat at the developmental age of -----
(a) 4th week (b) 3rd week (c) 6th week (d) 8th week

v Which one is the correct graph for arithmetic growth?

(a) (d)


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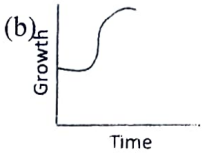
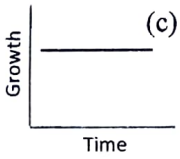


(c)




vii Find out the marine fish among the followings -----
(a) Rohu (b) Catla (c) Stromateus (d) Mrigala

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

i Define the term Outcrossing.

ii What is biological oxygen demand (BOD)?

iii Write full form of ZIFT

iv Give the difference between Photoperiodism and vernalization.

v Define the term differentiation.

vi What are the effects of Nitrogen oxides released as pollutant?

vii Write the component of Human semen which nourish Sperms.

Section –B

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

Q. 3 **Match the columns A and B :**

Column - A	Column - B
1- Mechanical means	a-Saheli
2- Physiological device	b- Jellies
3- Chemical device	c- Vasectomy
4-Permanent method	d- Diaphragm

Q. 4 Distinguish between phenotype and genotype.

Q. 5 Write a note on growth rate

Q. 6 Write short notes on Callus culture and Suspension culture,

Q. 7 The differences between anemophily and entomophily.

Q. 8 Identify chromosomal disorder caused due to non-disjunction of 21st chromosome and enlist its symptoms.

Q. 9 Given below are some functions performed by plant hormones. Which hormone is responsible for each given action?

(1) Shedding of leaves. (2) Induce flowering in LDP.

(3) Apical dominance. (4) Induce RNA synthesis.

Q. 10 What are the causes of biodiversity losses?

Q. 11 Explain the terms ----

a) Ectomycorrhizae b) Endomycorrhizae.

Q. 12 Differentiate between *In-situ* conservation and *ex-situ* conservation.

Q. 13 Explain Cutting and grafting with respect to artificial propagation of plants.

Section –C

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

Q. 14 With the help of diagramatic representation explain the inheritance pattern in following examples

a) Marriage between carriers female and normal male

b) Marriage between the haemophilic male and normal female

Q. 15 Explain physiological effect s and significance of phytohormone Auxins.

Q. 16 a) Define bioherbicides and give any two examples of microbial herbicides.

b) Explain how Bacillus thuringiensis acts as a bio-control agent.

Q. 17 a) What is global warming.

b) Write a note on green house effect.

Q. 18 a) Sketch and label human female reproductive system

b) "There is misuse of amniocentesis."Explain the statement.

Q. 19 Describe the process of develop fertilization in angiosperms

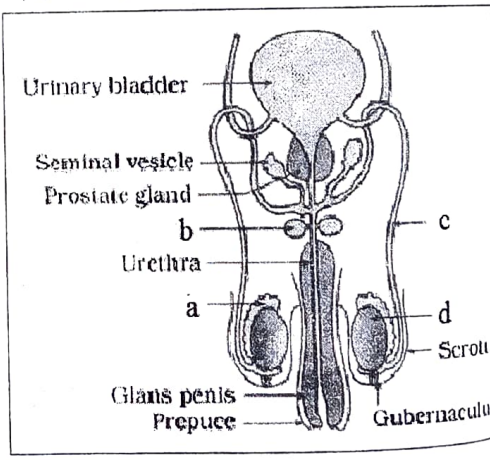
Section –D

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

Q. 20 a) Identify the labels a, b, c & d in the given diagram

b) Explain how Lactational amenorrhea prevent pregnancy.

c) Up to which period of pregnancy the MTP is considered as safe?



Q. 21 i- Give the statements of following Mendalian laws of inheritance

a- Law of dominance. b-Law of segregation. c-Law of independent assortment.

ii- How Co-dominance differ from incomplete dominance?

Q. 22 a) With the help of suitable diagram describe the development of male gametophyte in angiosperms

b) Give the role of Tapetum in anther

Q. 23 Explain the roles of following hormones during menstrual cycle….

a) FSH. b) LH. c) hCG d) Progesterone

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

D. B. J. College Chiplun

Terminal Exam - 2024 -2025

Std. –XII Sci /Com

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

प्रश्न १ (अ) निम्नलिखित पठित गद्यांश पढकर दी गई सूचनाओ के अनुसार कृतिया किजिए :- [6]

सुधारक पापों के विरुद्ध विद्रोह का झंडा बुलंद करता है तो पाप और उसका प्रतिनिधि पापी समाज उसकी उपेक्षा करता है, उसकी और ध्यान नही देता और कभी-कभी कुछ सुन भी लेता है तो सुनकर हँस देता है जैसे वह किसी पागल की बडबड हो, प्रलाप हो | इन क्षणो मे पाप का नारा होता है, "अरे, छोडो इसे और अपना काम करो |"

सुधारक का सत्य उपेक्षा की इस रगड से कुछ तेज होता जाता है, उसके स्वर अब पहले से कुछ पैने हो जाते है और कुछ ऊंचे भी |

अब समाज का पाप विवश हो जाता है कि वह सुधारक की बात सुने | वह सुनता है और उसपर निंदा की बौछारें फेंकने लगता है | सुधारक, सत्य और समाज के पाप के बीच यह गालियों की दीवार खडी करने का प्रयत्न है | जीवन अनुभवों का साक्षी है कि सुधारक के जो जितना समीप है, वह उसका उतना ही बडा निंदक होता है | यही कारण है कि सुधारकों को प्राय क्षेत्र बदलने पडे है |

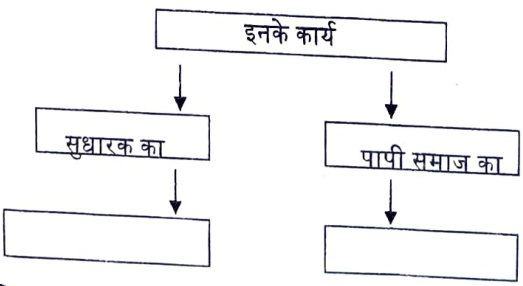
इन क्षणो मै पाप का नारा होता है : " अजी बेवकूफ है, लोगों को बेवकूफ चाहता है |"

सुधारक का सत्य निंदा की इस रगड से और भी प्रखर हो जाता है | अब उसकी धार चोट ही नही करती , काटती भी है | पाप के लिए यह चोट धीरे – धीरे असह्य हो उठती है और वह बौखला उठता है | अब वह अपने सबसे तेज शस्त्र को हाथ में लेता है | यह शस्त्र है हत्या |

सुकरात के लिए यह जहर का प्याला है, तो ईसा के लिए सूली, दयानंद के लिए यह पिसा काच है | इन क्षणो में पाप का नारा होता है, " ओह, में तुम्हें खिलौना समझता रहा और तुम साप निकले | पर मै साँप को जीता नही छोडूगा – पीस डालुंगा |"

सुधारक का सत्य हत्या के इस घर्षण से प्रचंड हो उठता है | शहादत उसे एसी धार देती है कि सुधारक के जीवन में उसे जो शक्ति प्राप्त न थी, अब वह हो जाती है | सूर्यो का ताप और प्रकाश उसमें समा जाता है , बिजलीयों की कडक और तुफानों का वेग भी |

(1) **आकृति पूर्ण किजिए :-** (2)



(2) **उत्तर लिखिए :-** (2)

गद्यांश में आए पाप के दो नारे -

(i)_____

(ii)_____

(3) लोगों के सक्रिय सहयोग से ही समाज सुधारक का कार्य सफल हो सकता है | इस विषय पर 40 ते 50 शब्दों में अपने विचार लिखिए | (2)

प्रश्न 1 (आ) निम्नलिखित किसी दो प्रश्नो के उत्तर प्रत्येकी लगभग 60 से 80 शब्दों में लिखिए | [6]

(1) 'सुनो किशोरी' पाठ के आधार पर रूढि – परंपरा तथा मुल्यों के बारे में लेखिका के विचार स्पष्ट किजिए |

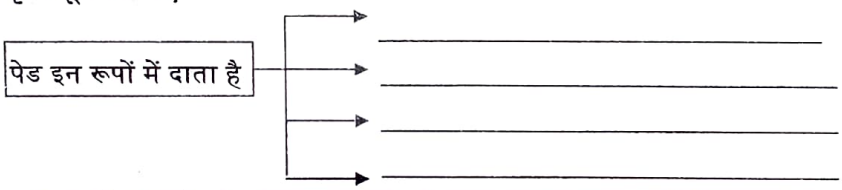
(2) बैजू बावरा संगीत का सच्चा पुजारी है इस विचार को स्पष्ट किजिए |

(3) निराला जी की चारित्रिक विशेषताऐ लिखिए |

प्रश्न 2 (अ) निम्नलिखित पदयांश पढकर सूचना के अनुसार कृतिया पूर्ण किजिए :- [6]

दाता है पेड....
जड, तना, शाखा, पत्ती, पुष्प, फल और बीज हमारे लिए ही तो है पेड की हर एक चीज !
किसी ने उसे पूजा, किसी ने उसपर कुल्हाडी चलाई पर कोई बताए
क्या पेड ने एक बूंद भी आसू की गिराई ?
हमारी सासों के लिए शुद्ध हवा बीमारी के लिए दवा
शवयात्रा, शगुन या बारात
सभी के लिए देता है पुष्पों की सौगत
आदिकाल से आज तक सुबह – शाम, दिन – रात
हमेशा देता आया है मनुष्य का साथ
कवि को मिला कागज, कलम, स्याही वैद, हकिम को दवाई
शासन या प्रशासन सभी के बैठने के लिए कुर्सी, मेज, आसन
जो हम उपयोग नहिं करें
वृक्ष के पास ऐसी एक भी नहिं चीज है
जी हा, सच तो यह है कि पेड संत है, दधीचि है |

(1) कृति पूर्ण किजिए :- (2)



(2) कविता कि पंक्तियों को उचित क्रमानुसार लिखकर प्रवाह तख्ता पूर्ण किजिए :- (2)

(i) वृक्ष के पास ऐसी एक भी नही चीज है
(ii) हमेशा देता आया है मनुष्य का साथ
(iii) हमारे लिए तो है पेड की हर एक चीज !
(iv) सभी के लिए देता है पुष्पों की सौगत

(3) 'जीवन में पेड का महत्व' इस विषय पर 40 से 50 शब्दों में अपना मत व्यक्त किजिए | (2)

प्रश्न 2 (आ) निम्नलिखित मुद्दो के आधार पर 'नवनिर्माण' कविता का रसास्वादन किजिए:- [6]

(i) रचनाकार का नाम (1)
(ii) पसंद की पंक्तिया (2)
(iii) पसंद के कारण (2)
(iv) कविता का केंद्रीय भाव (1)

अथवा

'गुरुनिष्ठा और भक्तिभाव से ही मानव श्रेष्ठ बनता है' इस कथन के आधार पर 'गुरुबानी' कविता का रसास्वादन किजिए | [6]

प्रश्न 3 निम्नलिखित काव्य पंक्तिया पढकर सूचना के अनुसार कृतिया पूर्ण किजिए :- [6]

(अ) द्वारिका की युद्धोन्मत्त सेनाए गुजर रही है
मान लिया कि कनु तेरा
सर्वाधिक अपना है
मान लिया कि तू
उसके रोम – रोम से परिचित है
मान लिया कि ये अगणित सैनिक
एक – एक उसके है :
पर जान रख कि ये तुझे बिलकुल नही जानते
पथ से हठ जा बावरी

यह आम्रवृक्ष कि डाल
उनकी विशेष प्रिय थी
तेरे न आने पर
सारी शाम इसपर टिक
उन्होने वंशी में बार – बार
तेरा नाम भरकर तुझे टेरा था -
आज यह आम की डाल
सदा – सदा के लिए काट दी जाएगी
क्योंकि कृष्ण के सेनापतियों के
वायुवेगगामी रथो की
गगनचुंबी ध्वजाओं में
यह नीची डाल अटकती है (2)

(1) उत्तर लिखिए :-

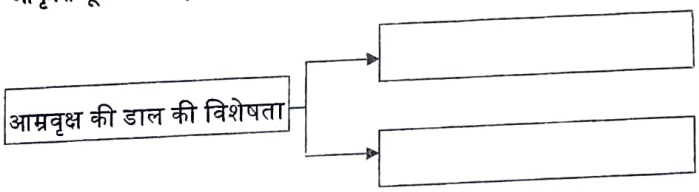
(i) कनु सबसे ज्यादा इसका है _ _ _ _ _ _ _ _ _ _ _

(ii) राधा इसके रोम रोम से परिचित है _ _ _ _ _ _ _ _

(iii) अगणित सैनिक इसके है _ _ _ _ _ _ _ _

(iv) राधा को ये बिलकुल नही पहचानते _ _ _ _ _ _ _ (2)

(2) आकृति पूर्ण किजिए :-



(2)

(3) प्राचीन काल एवं आधुनिक काल की सेनाओं के बारे में 40 से 50 शब्दों में अपने विचार व्यक्त किजिए। [4]

प्रश्न3(आ) निम्नलिखित प्रश्नो में से किसी एक प्रश्न का उत्तर लगभग 80 से 100 शब्दों में लिखिए:-

(1) राधा की दृष्टिसे जीवन की सार्थकता बताइए।

(2) कवि ने राधा के माध्यम से आधुनिक मानव की व्यथा को शब्दबद्ध किया है इस कथन को स्पष्ट किजिए। [6]

प्रश्न 4 निम्नलिखित में से किन्ही छः पारिभाषिक शब्दों के लिए हिंदी शब्द लिखिए :-
(i) Balance (ii) Action (iii) Antibiotics (iv) Graphic Table
(v) Announcer (vi) Expert (Vii) Deduction (Viii) Warning [2]

प्रश्न 5 निम्नलिखित वाक्यों का कोष्टक में दी गई सूचनाओं के अनुसार काल परिवर्तन किजिए।
(अ) (4 में से 2)

(i) मुकदमा दरबार में पेश होता है। (सामान्य भूतकाल)

(ii) जार्ज बर्नार्ड शॉ का एक पैराग्राफ में पढ रहा था। (पूर्ण वर्तमानकाल)

(iii) मौसी कुछ नहिं बोल रही है | (अपूर्ण भूतकाल)

(iv) मै इसके परिणाम की प्रतीक्षा करती हूं | (सामान्य भविष्यकाल)

प्रश्न 5 (आ) **निम्नलिखित पंक्तियों में उदधृत अलंकारों के नाम पहनचानकर लिखिए | (कोई दो)** [2]

(i) सोहत ओढे पीत पट श्याम सलोने गात |
मनों निलमणि शैल पर , आतप पदयो प्रभात ||

(ii) पडी अचानक नदी अपार |
घोडा उत्तरे कैसे पारा ||
राणा ने सोचा इस पार |
तब तक चेतक था उस पार ||

(iii) करत – करत अभ्यास के , जडमति होत सुजान |
रसरी आवत जात है , सिल पर पडत निसान ||

(iv) चरण – कमल – सम – कोमल |

प्रश्न 5(इ) **निम्नलिखित पंक्तियों में उदधृत रस पहचानकर उनके नाम लिखिए | (कोई दो)** [2]

(1) समदरसी है नाम तिहारो, सोई पार करो,
एक नदिया इक नार कहावत , मैला नीर भरो,
एक लोहा पूजा में राखत, एक घर बधिक परो,
सो दुविधा पारस नही जानत , कंचन करत खरो |

(2) राम के रूप निहारती जानकी
कंकन के नग की परछाई,
यातै सबै सुधि भूलि गई,
कर टेकि नही पल टारत नहि |

(3) बिनु – पग – चलै , सुनै बिनु काना |
कर बिनु कर्म करै, विधि नाना |
आनन रहित सकल, रस भोगी |
बीनु वाणी वक्ता, बड जोगी ||

(4) श्रीकृष्ण के वचन सुन, अर्जुन क्रोध से जलने लगे |
सब शोक अपना भूलकर, करतल युगल मलने लगे |

प्रश्न 5 (ई) **निम्नलिखित मुहावरों का अर्थ लिखकर उचित वाक्यों में प्रयोग कीजिए | (कोई दो)** [2]

(1) जान बख्शना | (2) विवश होना |
(2) जी–जान से काम करना | (4)उगल देना |

प्रश्न 5 (उ) **निम्नलिखित वाक्यों को शुद्ध करके वाक्य फिरसे लिखिए | (कोई दो)** [2]

(1) नीराला जी भी इसी परीवार के सदस्य है |

(2) यह नारा उंच उठे रहता है |

(3) यह तो जिंदगि का अहम फैसाला है |

(4) इसमें ओजोन वीघटन की भी अहम भुमिका है |

Date 28/10/2024

Navkonkan Education Society's
D.B.J. College, Chiplun
Terminal Examination2024-2025

Roll No.

Class - XII

Subject :- Marathi

Time :- 2 1/2 Hrs **(Pages:- 3)** **Marks:- 50**

कृतिपत्रिकेसाठी सूचना :

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

कृती १ : (अ) खालील उताऱ्याच्या आधारे सूचनेनुसार कृती करा. (०६)

खालील चौकट पूर्ण करा.

१. निरागस, आनंदी वृत्तीची असणारी— (०१)

२. आनंदाला आपण पारखे होतो जेव्हा. (०१)

सौंदर्य जसं पाहणाऱ्याच्या दृष्टीत असतं, तसा आनंद घेणाऱ्याच्या वृत्तीत असतो. लहान मुलं निरागस, आनंदी वृत्तीची असतात, म्हणूनच ती आनंद घेण्यात तरबेज असतात. आनंद हा त्यांचा आग्रह असतो, अधिकार असतो. त्यांनी 'हात' केल्यावर चिमणी भुर्रकन उडाली तरी त्यांना केवढा आनंद होतो. किती आतून हसतात ती !

आपण मोठे होतो आणि या छोट्या छोट्या आनंदाला पारखे होतो. आनंदाची हीच तर गंमत आहे. आनंद छोट्या छोट्या गोष्टींतच असतो. आपण मात्र तो मोठ्या गोष्टींत शोधत असतो. आयुष्यात अशा मोठ्या गोष्टी, आनंदाचे मोठे प्रसंग कितीसे येतात? तेव्हाच आनंद घ्यायचा आणि बाकी आयुष्य काय नुसतं रेटत राहायचं? आनंद कणाकणानं टिपायचा असतो. क्षणाक्षणानं घ्यायचा असतो. आपल्याला मात्र तो टनाटनानं हवा असतो. 'खाईन तर तुपाशी, नाहीतर उपाशी.' तिथंच सगळं चुकतं.

निसर्गात तर काय आनंद भरून राहिलेला आहे. 'देता किती घेशील दो कराने', अशीच अवघी परिस्थिती आहे. हिवाळ्यातल्या कोवळया उन्हाचा आनंद, श्रावणातली रिमझिम अंगावर झेलण्यातला आनंद, चांदण्या रात्री भटकण्यातला आनंद.. झाडांचे नुसते आकार पाहात हिंडलं, तरी थक्क व्हायला होतं. हिरव्या रंगाच्या नुसत्या छटा पाहात राहिलं तरी भान हरपतं. बदलत्या प्रकाशात त्या बदलताना न्याहाळत बसलं, तर वेडं व्हायला होतं. साक्षात निसर्ग ज्यांना आनंद देऊ शकत नाही, त्यांनी आयुष्यातील आनंदाला विसर्ग दयावा, हेच बरं.

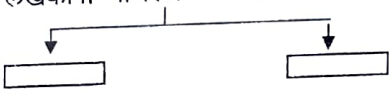
३. 'निसर्गात आनंद भरून राहिला आहे.' हे तुमच्या अनुभवातून स्पष्ट करा. (०४)

किंवा

सौंदर्य जस पाहणाऱ्याच्या दृष्टीत असतं, तसा आनंद घेणाऱ्याच्या वृत्तीत असतो. या विधानबाबत तुमचे मत लिहा.

ब) खालील उताऱ्याच्या आधारे सूचनेनुसार कृती करा. (०६)

१. लेखकांनी योजलेल्या कारगिल प्रवासाचे टप्पे— (०१)



२. मृत्यूला आव्हान देणारी (०१)

एका पर्यटकाच्या नजरेतून सुरू केलेला सात दिवसांचा प्रवास—लेह, नुब्राव्हॅली, पँगॉंग लेक आणि सरतेशेवटी द्रास, कारगिल ! आता शेवटचा टप्पा शिल्लक होता. कारगिल आणि द्रास ! सोबत असलेला लडाखी ड्रायव्हर स्टानझिन पाच वर्षांपूर्वी घडलेल्या कारगिल युद्धाच्या आठवणींना उजाळा देत होता. गाडी पुढे जात होती. आम्ही द्रासला पोहोचलो. शासकीय विश्रामगृहात दोन खोल्या मिळाल्या.

सकाळी उठून लांबूनच दिसणाऱ्या टायगर हिलच्या सुळक्यांचं दर्शन घेतलं. थोड्याफार मिळालेल्या माहितीमुळे १९९९ साली इथे काय उत्पात घडला असेल, ह्या कल्पनेनंही अंगावर काटा आला. नि:शब्द अवस्थेतच तोलोलिंगच्या पायथ्याशी बांधलेल्या 'ऑपरेशन विजय'च्या स्मारकापर्यंत पोहोचलो. समोर दिसणारा तोलोलिंग, डावीकडे नजर गेली, की दिसणारा रौकीनॉब, हंप, इंडिया गेट, थ्री पिपल, टायगर हिलचा सुळका, त्याच्या बाजूचा पॉईंट ४८७५ —भारतीय जवानांनी काबीज केलेल्या शिखरांची रांग. होय, याच मातीतून धूळ अंगावर घेत उंच १६००० फुटांवर बर्फाच्छादित शिखरांवर, शत्रूच्या तोफा पहाडावरून आग ओकत असताना ह्या भयाण पर्वतांवर आमचे धैर्यधर अथक चढत राहिले होते.

मृत्यू समोर दिसत असतानाही त्याच्या जबड्यात हात घालून मृत्यूलाच आव्हान देणारी बावीसतेवीस वर्षांची तेजोमय स्फुल्लिंग होती ती ! ज्यांना आशीर्वाद दयायचे, त्यांच्यासमोर नतमस्तक होऊन सलामी देणं किती कष्टप्रद आहे, ह्याची जाणीव झाली. थरथरत्या हातांनी, डबडबलेल्या डोळ्यांनी त्या स्मारकाला सलाम केला. (०४)

३. भारतीय सैनिकांच्या पराक्रमाबद्दल तुमचे मत लिहा.

किंवा

मृत्यूलाच आव्हान देणारी २२–२३ वर्षांची तेजोमय स्कुल्लिंग होती ती' यातून तुम्हाला समजलेला अर्थ लिहा. (०६)

कृती २ : (अ) खालील कवितेच्या आधारे सूचनेनुसार कृती सोडवा. (०१)

१) खालील वर्णनासाठी कवितेत आलेले शब्द लिहा.

य)हिरवीगार पिके– ☐

ग) लाल कणीदार माती ☐ (०१)

२) दृष्टी आणि पाऊलखुणा यासाठी काव्यात आलेले शब्द लिहा.

☐ ☐

रे थांब जरा आषाढघना
बघुं दे दिठी भरुन तुझी करुणा
कोमल पाचूंची हीं शेतें
प्रवाळ मातीमधलीं औतें
इंद्रनीळ वेळूंचीं बेटें
या तुझ्याच पदविन्यासखुणा
रोमांचित ही गंध–केतकी
फुटे फुलीं ही सोनचंपकी
लाजुन या जाईच्या लेकी
तुज चोरुन बघती पुन्हापुन्हा
उघड गगन, कर घडिभर आसर
आणि खुलें कर वासरमणि–घर
वाहूं दे या तव किमयेवर
कोवळया नव्या हळदुव्या उन्हा

३) आषाढ महिन्यातील निसर्गसौंदर्याचे वर्णन तुमच्या शब्दांत १२ ते १५ ओळीत करा. (०४)

ब) सूचनेनुसार कृती सोडवा. (०२)

ऊस लावते, बेणं दाबते
बाई दाबते
नाही बेणं गं, मन दाबते
बाई दाबते **या ओळींचा आशयसौंदर्य लिहा.**

किंवा

राहती माझ्यासवें ही आसवें गीतांपरी;
हे कशाचें दु:ख ज्याला लागला माझा लळा! **या ओळींचा अर्थ लिहा.**

कृती ३ सूचनेनुसार कृती सोडवा. (०४)

१. कथा सर्वांना हवीहवीशी वाटते कारण ..... (०१)

२. कथेच्या माध्यमातून रूजवला जाणारा विचार– ☐ (०१)

मराठी कथा विलक्षण मनोरंजक आहे. तिची खुमारीच मोठी न्यारी आहे. मराठीत सर्वात जास्त वाचला जाणारा साहित्यप्रकार म्हणजे 'कथा' होय. दिवाळीअंकांमध्ये कथेला मानाचे पान दिले जाते. ते तिच्या मनोरंजकता या वैशिष्ट्यामुळे. आबालवृद्ध कथा सांगण्याचा आणि ऐकण्याचा आनंद मनमुराद लुटतात. तो तिच्या या मनोरंजकतेमुळेच. मनोरंजनाची कितीतरी अत्याधुनिक साधने– उदा., टी. व्ही. वगैरे खूप नंतर उदयास आली; पण पहिला मान कथेचाच. कथा सर्वांनाच हवीहवीशी वाटते याचे कारण तिच्या मनोरंजकतेत दडले आहे. मुले तर गोष्ट सांगण्यासाठी भंडावून सोडतात. मोठी माणसेही याला अपवाद नसतात. माणूस गोष्टीवेल्हाळ झाला तो तिच्या 'मनोरंजकता' या वैशिष्ट्यांमुळेच.

मनोरंजकतेप्रमाणेच मनावर संस्कार करण्याचीही जबरदस्त ताकद कथेत असते. कथेच्या माध्यमातून 'मूल्यविचार' रुजवता येतात. कथा प्रेरणा, स्फूर्ती, बोध, ज्ञान देते. मानवता, सत्य, समता, न्याय, स्वातंत्र्य, बंधुभाव, औदार्य, धैर्य, श्रमनिष्ठा, संवेदनशीलता, दया, सहकार्य अशा कितीतरी मूल्यांचा संस्कार कथा करते. मानवी मूल्यांची कदर करणारी आदर्श व्यक्तिमत्त्वे कथावाङ्मयात जागोजागी आढळतात. सामान्य माणूस प्रसंगी आभाळाएवढा मोठा कसा होऊ शकतो. हे एखादया बोधकथेच्या माध्यमातून वाचकांच्या मनावर ठसवता येते. या संस्कारक्षमतेच्या वैशिष्ट्यामुळेच तर कथेतून सद्गुणांचे पाथेय देता येते.

३. मनोरंजकतेप्रमाणे मनावर संस्कार करण्याची जबरदस्त ताकद कथेत असते' या विधानाबाबत तुमचे मत १० ते १२ ओळीत लिहा. (०२)

कृती ४ अ) थोडक्यात उत्तर लिहा (कोणतेही एक) (०२)

१. मुलाखतीचे हेतू तुमच्या शब्दांत स्पष्ट करा.

२. माहितीपत्रक म्हणजे काय ते थोडक्यात स्पष्ट करा.

ब) दिलेल्या मुद्द्यांच्या आधारे कृती सोडवा. (कोणतेही एक) (०४)

१. मुलाखत कशी घ्यावी ते पुढील मुद्यांच्या आधारे लिहा.

मुलाखतीचा आरंभ ———मुलाखतीचा मध्य ———मुलाखतीची रंजकता———आकर्षक समारोप.

२. खालील मुद्द्यांच्या आधारे 'माहितीपत्रकाबद्दल माहिती लिहा.

माहितीपत्रक म्हणजे ———माहितीपत्रकाचे स्वरूप———ग्राहकाचे लक्ष वेचून घेणारे साधन———माहितीपत्रकाची गरज———माहितीपत्रकाची क्षेत्रे.

कृती ५ सूचनेनुसार कृती करा. (१०)

१) **(उद्गारवाचक वाक्य ओळखा)** (०१)

अ) किती गडगडात झाला काल रात्री!

ब)तू नियमित अभ्यास करावास.

क) हे सारे आपल्याला जमेल का?

२) भारतीय क्रिकेट संघ पराभूत झाला नाही. (होकारार्थी करा) (०१)

३) 'यथाशक्ती' या शब्दातील समास ओळखा. (०१)

अ)अव्ययीभाव समास ब)व्दिगू समास क) द्वंदव समास

४) 'त्रिभुवन' या शब्दातील समास ओळखा. (०१)

अ)द्वंदव समास ब) व्दिगू समास क) कर्मधारय

५) माणसाने वेगाला आवरावे': या वाक्यातील प्रयोग ओळखा. (०१)

अ) कर्मणी प्रयोग ब) भावे प्रयोग क) कर्तरी प्रयोग

६) समिर चित्र रंगवता. या वाक्यातील प्रयोग ओळखा. (०१)

अ) कर्मणी प्रयोग ब) भावे प्रयोग क) कर्तरी प्रयोग

७) समानार्थी शब्द लिहा. (०२)

अ) उचित— ब) सोहळा—

८) वाक्यप्रचाराचा अर्थ सांगून वाक्यात उपयोग करा. (०२)

गळा कापणे —

कृती ६पुढीलपैकी कोणत्याही एका विषयावर ३०० शब्दात निबंध लिहा. (१०)

१. मी पाहिलेला क्रिकेटचा सामना.

२. माझा आवडता समाजसुधारक.

३. युग इंटरनेटचे

४. माणूस बोलणे विसरला तर...

५. पुरग्रस्ताची कैफियत / कहाणी.

Date- 24/10/24

Navkonkan Education Society's
D.B.J.CollegeChiplun
Std-XII Sci/Com/Arts
First Term Exam, 2024-25
Sub-English

Roll no. | | | |

Time- 2hrs.30min

Pages : - 4

Marks :- 50

Q1.A Read the given extract and complete the activities given below: 12

"Stop", said the other. "I don't want all that. Shall I succeed in my present search or not? Answer this and go. Otherwise, I will not let you go till you disgorge all your coins". The astrologer muttered a few incantations and replied: "All right. I will speak. But will you give me a rupee if what I say is convincing?"

After a good deal of haggling the other agreed. The astrologer said.: "You were left for dead. Am I right?"

"Ah, tell me more."

"A knife has passed through you once?" said the astrologer.

"Good fellow!" He bared his chest to show the scar. "What else?"

"And then you were pushed into a well nearby in the field. You were left for dead.

"I should have been dead if some passer-by had not chanced to peep into the well," exclaimed the other, overwhelmed by enthusiasm.

"When shall I get at him?" He asked, clenching his fist.

"In the next world," answered the astrologer. "He died four months ago in a for-off town. You will never see any more of him.The other groaned on hearing it.

The astrologer proceeded: "Guru Nayak"

"You know my name!" the other said, taken aback.

"As I know all other things. Guru Nayak, listen carefully to what I have to say. Your village is two days' journey due north of this town. Take the next train and be gone. I see once again great danger to your life if you go from home.

He took out a pinch of sacred ash and held it to him."Rub it on your forehead and go home. Never travel southward again, and you will live be a hundred.

"Why should I leave home again?" The other said reflectively. "I was only going away now and then to look for him and to choke out his life if I met him." He shook his head regretfully. "He has escaped my hands. I hope at least he died as he deserved. "Yes," said the astrologer. "He was crushed under a lorry. The other looked gratified to hear it.

A1 Rewrite the following sentences and state whether they are True or False: **2**

(1) The name of the astrologer was Guru Nayak.

(2) A passer-by had saved the other man.

(3) The astrologer took out a pinch of salt and held it to the other man.

(4) A knife had passed through the other man long ago.

A2 The other man looked gratified because..... (Choose two correct alter-natives from the following): **2**

(a)His enemy was going to meet him in his own village.

(b) The astrologer told him that his enemy was crushed under a lorry.

(c) His enemy died as he deserved.

(d) The man could find the wise astrologer.

A3The astrologer suggested the other man never to travel southward again: Guess and write the purpose behind the astrologer's suggestion. **2**

A4Presence of mind is very essential to overcome the problematic situations. Share your experience where you could have handled your situation by using your presence of mind. 2

A5 Language study: **2**

1) He shook his head regretfully.(Choose the correct alternative to get the Present Perfect Tense form of the given sentence).

(a) He shakes his head regretfully.
(b) He has shaken his head regretfully.
(c) He had shaken his head regretfully.
(d) He will shake his head regretfully.

2) I will not open my mouth.(Choose the correct alternative to get affirmative form without changing the meaning of the sentence).

(a) I will not close my mouth.

(b) I will open my mouth

(c) I will shut my mouth.

(d) I'll not speak.

A6 Find and write the words which have similar meaning for the following from the extract: 2

(a) bargaining

(b) surrender under pressure

(c) made a low sound of distress

(d) to look cautiously

Q.2 (A) Read the given extract and complete the activity given below:(10 Marks)

Afoot and light-hearted I take to the open road.

Healthy, free, the world before me,

The long brown path before me leading wherever I choose.

Henceforth I ask not good fortune, I myself am good fortune.

Henceforth I'll whimper no more, postpone no more, need nothing,

Done with indoor complaints, libraries,querulous criticisms,

Strong and content I travel the open road.

The earth, that is sufficient,

I do not want the constellations any nearer,

I know they are very well where they are,

I know they suffice for those who belong to them.

(Still here I carry my old delicious burdens.

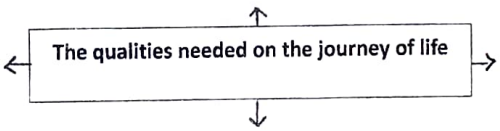
I carry them, men and women.

I carry them, with me wherever I go,

I swear it is impossible for me to get rid of them,

I am fill'd with them, and will fill them in return.)

A1. Complete the web diagram with the help of the extract. 2



A2. Analyse the line-"I ask not good fortune, I myself am good fortune." 2

A3. One should always keep moving in his/her life. Give your opinion about this statement. 2

A4. Identify and explain the figure of speech in the following line. 2

"Still here I carry my old delicious burdens"

A5. Complete the given lines using your imagination. Use proper rhyming words. 2

There is no way leading back.

I move forward

.....

.....

Q.2 B Writethe poetic appreciation of the extract given below with the help of the given Points. 4

About the Poem, Poet and title

Form of the poem, theme and its significance

Inspirational Values

Your opinion about the poem

Q.1 B1. Language Study – Do as directed (04)

1) He said to her, "Give me a glass of water." (Rewrite the sentence using indirect speech.) (01)
2) I was amazed. (Make it exclamatory sentence.) (01)
3) As soon as the leaf fell from the tree, the wind swept it away. (01)
(Rewrite using No sooner… than)

B2 Spot the error and rewrite correct sentence. (01)
He prescribe medicine along with a few exercises to his patients.

My father travels on the late evening train
Standing among silent commuters in the yellow light
Suburbs slide past his unseeing eyes
His shirt and pants are soggy and his black raincoat
Stained with mud and his bag stuffed with books is falling apart.
His eyes dimmed by age
Fade homeward through the humid monsoon night.

Now I can see him getting off the train
Like a word dropped from a long sentence.
He hurries across the length of the grey platform,
His chappals are sticky with mud, but he hurries onward.
Crosses the railway line, enters the lane.
Home again, I see him drinking weak tea,
Eating a stale chapati, reading a book.
He goes into the toilet to contemplate
Man's estrangement from a man-made world

Q.3 Complete the activities as per the instructions given below. 12

(A) Attempt 'Any one' of the following activities:

(1) Drafting Virtual Message: 04

You think of attending a programme on Environment Protection at your college. At the same time you find it difficult to meet your friend whom you have promised. Write a message to your friend convincing about the same.Draft this message in about 100-150 words specifying your own benefits to attend the programme.

OR

(2) Statement of Purpose: 04

You wish to pursue your graduation at a reputed university in any of the streams of your own choice, either arts, science, commerce or management, medical, engineering or any other degree you have in your mind. You have fixed your career goals and also have similar background to achieve your dreams.Write a 'Statement of Purpose', as a part of your application process to get admission at a university of your choice.

OR

(3) Group Discussion: 04

Sahil, Aniket, and Aliya have recently discussed on a topic 'Social media affecting teenager's life'. Draft this group discussion in the form of dialogues on this topic.

Q.3 (B) Attempt any ONE of the following: 04

(1) Email Writing:

You have planned a family trip to South India. You need a leave for eight days. Write an email in a proper format with all its supporting details you wish to include convincing and getting your leave approved. (100 to 150 words)

OR

(2) Report Writing: 04

Imagine your college recently observed a "Health and fitness" awareness week. You are the editor of the notice board column. Write a report in about 100/150 words on the happenings of the awareness week and all the observations, adding all the required information and details witnessed and experienced.

OR

(3) Interview Question: 04

Your college has arranged an interview of a social worker. You are given the responsibility of conducting it. Frame 8-10 questions for an interview with the help of the following points.

Decision
Inspiration
Idol
Problems
Support

Name of the interviewee	
Area of success	
Venue, Date	
Duration	

Any special experience

Goals

Awards

Message

OR

Q.3 (C) Attempt any ONE of the following:

(1) Speech Writing: 04

On the occasion of Reading Inspiration Day, (WachanPrerana Din) you are going to deliver a speech. Draft the speech in about 200-250 words. You may use the following points.

Need and importance of reading – a sea of knowledge – reading can give thorough (deep) knowledge

OR

(2) Comparing: 04

Imagine, you are given an opportunity and responsibility to compere a programme at your college based on "Developing reading habits". As a compere, draft the required script to decide on the flow of the overall programme. You make take help of the given hint:(Welcome, introduction, felicitation, speakers, guests, students' presentation, presidential address, vote of thanks)

OR

(3) Expansion of Idea:Expand the following idea with the help of the points given below in about 200 words.

"Every cloud has a silver lining."

Points- 04

Good patches and bad patches in life- hopes –positive attitude to overcome problems – solutions and remedies- never say die attitude.

Q.4AComplete the following activity as per the instructions given below. 08

(i) Choose the correct alternatives and rewrite the sentences: 02

(a) The novel as a literary genre has a history of about ..... years. [two thousand five hundred, two thousand, five hundred]

(b) The new literature written in the 18th century was characterised by ..... [mystery, fantasy, spirit of realism)

(c) In ..... novel, the surface meaning is different from the symbolic meaning. [Allegorical, Dystopian, Gothic]

(d) ..... has coined the phrase: 'Stream of Consciousness'.[Jane Austen, Virginia Woolf, William James]

(ii) Fill in the blanks and rewrite the sentence. Options are given in a bracket. 02

(epistolary novel, rouge, science fiction, autobiographical, pulp magazine)

1.The ..... novel is based on the life of the author.

2. In the first half of the 20th century a cult of ..... became popular.

3. Frankenstein by Marry Shelly is considered as the first .....

4. The Spanish word 'Picaro' means .....

Q. 4 B Answer the following questions in about 50 words.

(i) Explain in brief the theme of the extract from To Sir, With Love'. 04

(ii) Give the character-sketch of Denham in the extract from To Sir, With Love'.