

DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - Sanskrit
Maximum Marks- 50

खण्ड: 'क'

अपठित-अवबोधनम् {10 अंकाः}

प्रश्न 1 अधोलिखितं गद्यांशं पठित्वा निर्देशानुसारम् उत्तरत।

सन्तेन तुलसीदासेन कथितमिदम् यत्- 'धीरज, धर्म, मित्र अरु नारी, आपतकाल परखिए चारी।' अर्थात् धैर्यम्, धर्मः, मित्राणि नारी च एताः चतस्रः आपत्काले एव परीक्षयेत्। मित्रस्य परीक्षणं विपत्तौ एव भवति। सन्मित्रं सरलतया न मिलति। अतः जनैः मित्रस्य निर्वाचनं सम्यक्तया विचिन्त्य एव कर्तव्यम्। मित्रस्य निर्वाचने तस्य व्यवहारस्य आचरणस्य वा उपरि विशेषतया ध्यानं दातव्यम्। सन्मित्रं विनम्रम्, सदाचारि विश्वासपात्रं, सहृदयं चरित्रवत् च भवेत्। सन्मित्रम् एकं शिक्षकमिव भवति यत् स्वमित्रं सन्मार्गे अग्रसरी कृत्वा पापपङ्कात् तद् रक्षति। यदा जनस्योपरि विपत्तीनां बद्दलाः आच्छादिताः भवन्ति सर्वतश्च निराशायाः गहनं तमः एव दृष्टिगोचरं भवति तदा केवलं सन्मित्रमेव आशायाः किरण इव समक्षे आगत्य तत् तमः दूरीकरोति। यत् सम्मुखे तु मधुरं वदेत् पृष्ठे कार्यं विकुर्यात् तादृशस्य मित्रस्य त्यागे एव बुद्धिमत्ता वर्तते।

1 एकपदेन उत्तरत।

{1x2=2}

क. मित्रस्य परीक्षणं कदा भवति?

ख. कस्य निर्वाचनं सम्यक्तया विचिन्त्य एव कर्तव्यम्?

2 पूर्णवाक्येन उत्तरत।

{2x2=4}

क. सन्मित्रं कीदृशं भवेत्?

ख. सन्तेन तुलसीदासेन किं कथितम्?

3 गद्यांशस्य उचितं शीर्षकम् लिखत।

{1x1=1}

4 निर्देशानुसारम् उत्तरत।

{1x3=3}

क. 'परितः' इति पदस्य अर्थे अनुच्छेदे कः शब्दः प्रयुक्तो वर्तते?

{अ} गहनम्

{ब} तमः

{स} पात्रम्

{द} सर्वतः

ख. 'भवेत्' इति क्रियापदस्य कर्तृपदं अनुच्छेदे किम् प्रयुक्तम्?

{अ} मधुरम्

{ब} किरणः

{स} सन्मित्रम्

{द} बद्दलः

ग. 'गहनं तमः' इत्यनयोः पदयोः विशेषणपदं किम्?

{अ} गहनम्

{ब} निराशायाः

{स} एव

{द} तमः

खण्ड: 'ख'

रचनात्मक-कार्यम् {15 अंकाः}

प्रश्न 2 भवान् निशांतः अस्ति। पितुः स्थानान्तरणवशात् हिमाचलप्रदेशम् आगतः। स्थानान्तरणप्रमाणपत्रं प्राप्तुं प्रधानाचार्यं प्रति लिखितं पत्रं मंजूषायां प्रदत्तपदैः पूरयत लिखत च।

{ $\frac{1}{2} \times 10 = 5$ }

श्रीमन्तः (1) _____

केन्द्रीय विद्यालयः रोहिणी पुरम् दिल्ली

माहोदय!

सेवायम् इदं निवेदयामि यत् अहं भवतः (2) — दशम्यां कक्षायां पठामि। मम पितुः (3) — हिमाचलप्रदेशे संजातम्। मम संपूर्णः (4) — तत्रैव निवत्स्यति। मया अपि तत्रैव गत्वा (5) — करणीयम्। पितरौ (6) — मया अत्र स्थातुम् न शक्यते। अतः (7) — यत् कृपया मह्यम् स्थानान्तरण-प्रमाणपत्रम् प्रदाय (8) —

(9) _____

(10) _____ शिष्यः

निशांतः

मंजूषा

सधन्यवादः, प्रार्थये, भवदीयः, पठनम्, अनुगृहणन्तु, विद्यालये, प्रधानाचार्यः, परिवारः, विना, स्थानान्तरणम्।

प्रश्न 3 अधोदत्तं चित्रं दृष्ट्वा मंजूषातः शब्दं चित्वा पंच वाक्यानि रचयत।

{ $1 \times 5 = 5$ }



मंजूषा

बालुकागृहम्, बालकाः, कन्दुकम्, नौका, समुद्रतटः, आनन्दम्, तिष्ठन्ति, नार्यः, पुरुषाः, क्रीडनम्, रचयन्ति।

अथवा

'जल प्रदूषणम्' इति विषयम् अधिकृत्य पंच वाक्यानि लिखत।

मंजूषा

अवकरम्, नदीषु, जनाः, कार्यशालाभ्यः, दूषितम्, मलम्, क्षिपन्ति, स्वच्छम्, क्षालयन्ति, वस्त्राणि, पूजा-सामग्री, पुष्पाणि, नालिकामार्गेण, जायन्ते, रोगाः, रुग्णाः, पीत्वा

प्रश्न 4 अधोलिखितानि वाक्यानि संस्कृत भाषायाम् अनुवादम् कृत्वा लिखत । (केचन पंच)

{1x5=5}

- क. कुत्ते गाँव के चारो ओर घूमते हैं।
ख. अनुशासन ही जीवन का आधार है।
ग. आत्मा का निवास शरीर में होता है।
घ. श्रीकृष्ण ने जरासंध का वध किया था।
ङ. अर्जुन ने महाभारत में जय प्राप्त किया।
च. स्वामी दयानन्द ने सत्यार्थ-प्रकाश लिखा है।

खण्ड: 'ग'

अनुप्रयुक्त-व्याकरणम् {25 अंकाः}

प्रश्न 5 अधोलिखितानां पदानां सन्धिं सन्धिविच्छेदं वा कृत्वा लिखत । (केचन चत्वारः)

{1x4=4}

- क. तनुः प्रेषयद् भ्रमति सदा वक्त्रम्।
ख. दुर्दान्तैर्दशनैरमुना स्यान्नैव जनग्रसनम्।
ग. अस्यां कक्षायां षण्णवतिः छात्राः पठन्ति।
घ. व्याघ्र! त्वया महत्कौतुकम् आवेदितं यन्मानुषादपि बिभेषि?
ङ. व्याघ्रमारी काचिदियमिति मत्वा व्याघ्रो भयाकुलचित्तो नष्टः।

प्रश्न 6 अधोलिखितवाक्येषु रेखांकितपदानां समासं विग्रहं वा कुरुत ।

{1x4=4}

- क. वायुमण्डलं भृशं दूषितं न हि निर्मलं जलम्।
{अ} निरस्य अभावः इति {ब} मलम् मलम् इति {स} मलस्य अभावः इति {द} मलेन सहितम्
ख. कुत्सितवस्तुमिश्रितं भक्ष्यं समलं धरातलम्।
{अ} तेन मलेन सहितम् {ब} मलस्य सहितम् {स} मलम् मलम् इति {द} मलेन सहितम्
ग. भो मानव! यथेच्छम् जलं पिबतु।
{अ} इच्छम् अनतिक्रम्य {ब} इच्छेम अनतिक्रम्य {स} इच्छाम् अनतिक्रम्य {द} यथा इच्छा
घ. प्रतिवर्षं वसन्तश्च ग्रीमष्श्च शिशिराश्च सामान्यरूपेण समायान्ति।
{अ} वसन्तग्रीमष्शिशिरः {ब} वसन्तग्रीमष्शिशिरौ {स} ग्रीमष्शिशिरः {द} वसन्तग्रीमष्शिशिराः

प्रश्न 7 अधोलिखितवाक्येषु रेखांकितपदानां प्रकृतिप्रत्ययौ संयोज्य विभज्य वा लिखत ।

{1x3=3}

- क. सर्वेषाम् महत्त्वम् विद्यते यथासमयम्।
{अ} मह + त्व {ब} मह + त्वम् {स} महत् + त्वम् {द} महत् + त्व
ख. पाषाणी सभ्यता निसर्गे समाविष्टा न स्यात्।
{अ} पाष+णीप् {ब} पाषाण+ईप् {स} पाषाण+णीप् {द} पाषाण+डीप्
ग. अस्माकं सभ्यता अस्माकं व्यवहारे स्यात्।
{अ} सभ्य+ता {ब} सभ्य+टाप् {स} सभ्य+तल् {द} सभ्य+ताल्

प्रश्न 8 अधोलिखितं समयं दृष्ट्वा संस्कृत पदम् लिखत ।

{1/2x4=2}

- क. राधा (4:15) ————— वादने उत्तिष्ठति।
ख. राधा (5:00) ————— वादने स्नानादिकं करोति।
ग. राधा (5:30) ————— वादने पूजनादिकम् करोति।
घ. राधा (7:45) ————— वादने पठनाय विद्यालयं गच्छति।

प्रश्न 9 अधोलिखितं संवादं उचित विकल्पेभ्यः पूरयित्वा लिखत।

{ $\frac{1}{2} \times 4 = 2$ }

मोहनः — नरेश! किं त्वं गीतां पठसि?

नरेशः — आम् (1) — गीता पठ्यते।

मोहनः — किं त्वं (2) — अपि स्मरसि?

नरेशः — आम् मया (3) — अपि स्मर्यन्ते।

मोहनः — किं कक्षायाम् आचार्यः कथां कथयति?

नरेशः — आम् कक्षायाम् आचार्येण कथा (4) — ।

मंजूषा

मन्त्राः, मया, कथ्यते, मन्त्रान्

खण्डः 'घ'

पठित-अवबोधनम् {30 अंकाः}

प्रश्न 10 अधोलिखितं गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत।

देउलाख्यो नामकः ग्रामः अस्ति। तत्र राज सिंहः नाम राजपुत्रः वसति स्म। एकदा केनापि आवश्यककार्येण तस्य भार्या बुद्धिमती पुत्रद्वयोपेता पितुर्गृहं प्रति चलिता। मार्गे गहनकानने सा एकं व्याघ्रं ददर्श। सा व्याघ्रमागच्छन्तं दृष्ट्वा धष्ट्यात् पुत्रौ चपेटया प्रहृत्य जगाद— कथमेककशो व्याघ्रभक्षणाय कलहं कुरुथः? अयमेकस्तावद्विभज्य भुज्यताम्। पश्चाद् अन्यो द्वितीयः कश्चिल्लक्ष्यते।

1 एकपदेन उत्तरत।

{ $\frac{1}{2} \times 2 = 1$ }

क. कः देउलाख्यनामके ग्रामे वसति स्म?

ख. गहनकानने का एकं व्याघ्रं ददर्श?

2 पूर्णवाक्येन उत्तरत।

{ $1 \times 2 = 2$ }

क. बुद्धिमती कौ चपेटया प्रहृत्य जगाद?

ख. एकैकशः व्याघ्रभक्षणाय कौ कलहं कुरुतः?

3 निर्देशानुसारम् उत्तरत।

{ $1 \times 2 = 2$ }

क. 'गच्छन्तम्' इति पदस्य विपर्ययपदं गद्यांशे किं प्रयुक्तम्?

{अ} व्याघ्रम् {ब} आगच्छन्तम् {स} काननम् {द} जगाद

ख. 'अवदत्' इति पदस्य पर्यायपदं गद्यांशे किं प्रयुक्तम्?

{अ} चलिता {ब} ददर्श {स} जगाद {द} लक्ष्यते

प्रश्न 11 रेखांकितपदानि आधृत्य उचितं प्रश्ननिर्माणं कृत्वा लिखत।

{ $1 \times 2 = 2$ }

क. उद्याने पक्षिणां कलरवं चेतः प्रसादयति।

ख. पुरा त्वया मह्यम् व्याघ्रत्रयं दत्तम्।

प्रश्न 12 अधोलिखितानि रेखांकितपदानि आधृत्य विकल्पेभ्यः उचितार्थं चित्वा लिखत। (केचन त्रयः)

{ $1 \times 3 = 3$ }

क. अद्य एकम् एव आनीय कथं यासि वदाधुना।

{अ} यच्छसि {ब} पश्यसि {स} खादसि {द} गच्छसि

ख. व्याघ्रोऽपि सहसा नष्टः गलबद्धशृगालकः।

{अ} दोग्धः {ब} समाप्तः {स} पलायितः {द} नासितः

ग. पाषाणी सभ्यता निसर्गे समाविष्टा न स्यात्।

{अ} नैऋत्याम् {ब} धरायाम् {स} प्रकृत्याम् {द} भूम्याम्

घ. इत्युक्त्वा भयंकरा व्याघ्रमारी तूर्णम् धाविता।

{अ} बुद्धिमती {ब} शृगालम् {स} व्याघ्रम् {द} शीघ्रम्



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QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - Science
Maximum Marks- 50

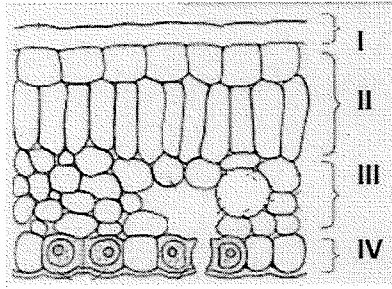
General Instructions:

- i. This question paper consists of 20 questions in 5 sections.
 - ii. All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
 - iii. Section A consists of 8 objective type questions carrying 1 mark each.
 - iv. Section B consists of 3 Very Short Answer questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words.
 - v. Section C consists of 3 Short Answer type questions carrying 03 marks each. Answers to these questions should be in the range of 50 to 80 words.
 - vi. Section D consists of 3 Long Answer type questions carrying 05 marks each. Answer to these questions should be in the range of 80 to 120 words.
 - vii. Section E consists of 3 source-based/case-based units of assessment of 04 marks each with sub-parts. Internal choice is provided in one of these sub parts.
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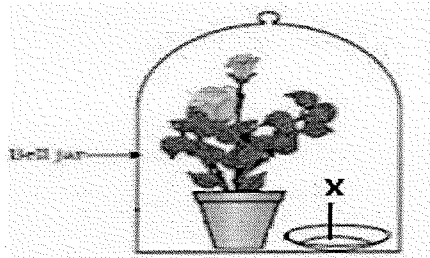
SECTION A [1x8=8]

1. In a double displacement reaction such as the reaction between sodium sulphate solution and barium chloride solution :
(A) exchange of atoms takes place
(B) exchange of ions takes place
(C) a precipitate is produced
(D) an insoluble salt is produced
The correct option is
(a) (B) and (D)
(b) (A) and (C)
(c) only (B)
(d) (B), (C) and (D)
2. In order to obtain a magnification of -0.6 with a concave mirror, the object must be placed
(a) at the focus.
(b) between pole and focus
(c) between focus and centre of curvature
(d) beyond centre of curvature

3. In the given transverse section of the leaf, identify the layer of cells where maximum photosynthesis occurs.



- (a) I, II
(b) II, III
(c) III, IV
(d) I, IV
4. Observe the experimental setup shown below. Name the chemical indicated as 'X' that can absorb the gas that is evolved as a byproduct of respiration.



- (a) NaOH
(b) KOH
(c) Ca(OH)₂
(d) K₂CO₃
5. Small hair-like structures line the upper part of the human respiratory tract. These structures trap the dust particles, germs and chemicals entering the human body during breathing. Smoking is likely to cause infections in the respiratory tract. Which statement best explains the fact?
- (a) Smoking destroys the hair-like structures.
(b) Smoking causes excessive growth of the hair-like structures.
(c) Smoking stimulates the hair-like structures to release harmful chemicals.
(d) Smoking makes the hair-like structures wet and they fail to trap dust particles.

For Q No. 6 to 8 two statements are given- one labelled **Assertion (A)** and the other labelled **Reason (R)**. Select the correct answer to this question from the codes (a), (b), (c), and (d) as given below: -

- (a) Both A and R are true, and R is the correct explanation of the Assertion.
(b) Both A and R are true, but R is not the correct explanation of the Assertion.
(c) A is true, but R is false.
(d) A is false, but R is true.

6. **Assertion (A)** : The acid must always be added to water with constant stirring.
Reason (R) : Mixing of an acid with water decreases the concentration of H^+ ions per unit volume.
7. **Assertion (A)**: Kerosene is optically rarer than water because its mass density is less than water
Reason (R): An optically denser material may have less mass density than the other.
8. **Assertion (A)**: Pyruvate is a six-carbon molecule.
Reason (R): It is prepared in the cytoplasm as the first step to cellular respiration.

SECTION B [2x3=6]

9. Take 3 g of barium hydroxide in a test tube, now add about 2 g of ammonium chloride and mix the contents with the help of a glass rod. Now touch the test tube from outside.
- (i) What do you feel on touching the test tube?
(ii) State the inference about the type of reaction occurred.
(iii) Write the balanced chemical equation of the reaction involved.

OR

What is the difference between displacement and double displacement reaction? Write equations for these reactions.

10. **Attempt either option A or B**

- A. Give two reasons to explain why absorption of digested food occurs mainly in the small intestine.

OR

- B. (i) Patients whose gall bladder is removed are recommended to eat less oily food. Why?
(ii) Would you expect carnivores to have longer or shorter small intestines than herbivores? Why?

11. (i) Define 1 dioptre of power of a lens.
(ii) What is the power of the lens whose focal length is -50 cm?

SECTION C [3x3=9]

12. (a) What is observed when carbon dioxide gas is passed through lime water for a long duration? Also write the chemical equations for the reactions involved.
(b) 2 mL of sodium hydroxide solution is added to a few pieces of granulated zinc metal taken in a test tube. When the content are warmed, a gas evolves which is then bubbled through a soap solution before testing. Write the equation of the chemical reaction involved and the test to detect the gas.
13. **Give reasons for the following:**
- (a) The rate of breathing in aquatic animals is much faster than that of terrestrial organisms.
(b) Rings of cartilage are present in the throat of human beings.
(c) ATP is the energy currency for most cellular processes.

14. (i) State Snell's law of refraction of light.
(ii) A ray of light enters into benzene from air. If the refractive index of benzene is 1.50, by what percentage does the speed of light reduce on entering the benzene?

SECTION D [5x3=15]

15. (a) Zinc liberates hydrogen gas when reacted with dilute hydrochloric acid, whereas copper does not. Explain why?
(b) 2 g of ferrous sulphate crystals are heated in a dry boiling tube,
(i) List any two observations..
(ii) Write balanced chemical equation for the reaction and name the products formed.
(c) Identify the substance oxidized, reduced, oxidizing agent and reducing agent in the following reaction



OR

- (a) What do you understand by combination reaction? Give an example of it.
(b) When hydrogen gas is passed over heated copper (II) Oxide, copper and steam are formed. Write the balanced chemical equation for the above. State
i. The substance get oxidized.
ii. The substance get reduced
(c) Silver chloride turns grey when kept in sunlight. Give reason
16. Attempt either option A or B

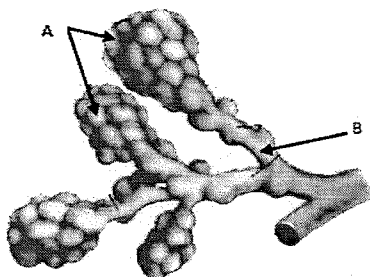
A.

- a) List three events that occur during the process of photosynthesis by the green plants.
b) What special feature is found in desert plants related to this process? Explain briefly.
c) Draw a neat diagram showing open stomata and label the following:
i) Chloroplasts
ii) Guard cells

OR

B.

- (a) Study the diagram given below and answer the questions that follow: -



- i. Label the parts marked A and B.
ii. Describe the structure of the lungs and the process of gaseous exchange in human beings.
- (b) Explain the importance of the diaphragm and its role in breathing.
(c) What are the end products of anaerobic respiration in case of
(i) Yeast cells and (ii) muscle cells in animals?

17. (i) How far from a convex lens of focal length 20 cm would you place an object to get a virtual image enlarged three times.
(ii) Draw ray diagrams to justify your answer for part (i).
(iii) Define principal focus for convex lens.

OR

- (i) A concave lens has a focal length of 10 cm. An object 2.5 cm high is placed at 30 cm from the lens. Determine the position and size of the image.
(ii) Draw ray diagram to justify your answer for part (i).
(iii) Define principal focus for concave lens.

SECTION E [4x3=12]

18. Read the following and answer any four questions from (a) to (e):

Litmus, phenolphthalein and methyl orange are the common acid – base indicators. Basically these are organic dyes with characteristics colours. An indicator imparts specific colour to an acidic solution and its colour changes when the solution becomes basic or alkaline. The same applies to the acidic solution as well.

- (i) Specify the colour seen when methyl orange is tested with acid and base.
(ii) Solution 'A' – orange
Solution 'B' – green
Solution 'C' – red
Solution 'D' – blue
Arrange A,B,C and D increasing order of pH
(iii) Define pH
(iv) Do dry acids change colour of the dry pH paper. Justify your answer.

19. Human digestive system is a tube running from mouth to anus. Its main function is to break down complex molecules present in the food, which cannot be absorbed as such, into smaller molecules. These molecules are absorbed across the walls of the tube, and the absorbed food reaches each and every cell of the body, where it is utilised for obtaining energy.

- (a) Name the glands present in the buccal cavity and write the components of food on which the secretion of these glands acts upon. [1]
(b) How is pepsin functionally different from trypsin? [1]
(c) What will happen if: [2]
i. Mucus is not secreted by the gastric glands.
ii. Peristaltic movement do not occur along the oesophagus.

OR

- (c) "Bile juice does not contain any enzyme, yet it has important role in digestion." Justify the statement. [2]

20. A student took three mirrors of different focal lengths and performed the experiment to see the image formation by placing an object at different distances with these mirrors as shown in the following table

<u>CASE NO.</u>	<u>OBJECT DISTANCE</u>	<u>FOCAL LENGTH</u>
I	45 cm	20 cm
II	30 cm	15 cm
III	20 cm	30 cm
IV	35 cm	35 cm

Now answer the following questions:

- (i) List two properties of the image formed in Case II if the type of mirror is convex. [1]
- (ii) If the student gets a diminished and inverted image in Case I, identify the type of mirror. [1]
- (iii) Which of the following case resembles the situation in which concave mirror are used as shaving mirrors? Give reason. [2]

OR

Which of the following case resembles the situation in which concave mirror are used in torches? Give reason. [2]



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - Mathematics
Maximum Marks- 50

General Instructions:

Read the following instructions carefully and follow them

- (i) This question paper contains 23 questions. All questions are compulsory.
- (ii) This question paper is divided into FIVE Sections - Section A, B, C, D and E.
- (iii) In Section-A question number 1 to 11 are Multiple Choice Questions (MCQs) and question number 12 is Assertion - Reason based questions of 1 mark each.
- (iv) In Section -B question number 13 to 15 are Very Short-Answer-I (VSA - I) type questions of 2 marks each.
- (v) In Section - C question number 16 to 18 are Short Answer - II (SA - II) type questions carrying 3 marks each.
- (vi) In Section -D question number 19 to 21 are Long -Answer (LA) type questions carrying 5 marks each.
- (vii) In Section -E question number 22 to 23 are case study type questions carrying 4 marks each.

SECTION A

1. The LCM of two numbers is 1200. Which of the following can not be their HCF?
(a) 600 (b) 500 (c) 400 (d) 200
2. Let $x = a^2b^3c^n$ and $y = a^3b^m c^2$, where a,b,c are prime numbers. If LCM of x and y is $a^3b^4c^3$, then the value of $m + n$ is
(a) 10 (b) 7 (c) 6 (d) 5
3. If 3 is the least prime factor of a number a and 7 is the least prime factor of number b, then the least prime factor of a+b is
(a) 2 (b) 3 (c) 5 (d) 10
4. If $(a \times 5)^n$ ends with the digit zero for every natural number n, then a is
(a) Any natural number (b) an odd number
(b) an even number (d) none of these
5. If the sum of the zeroes of the polynomial $p(x) = 2x^2 - k\sqrt{2}x + 1$ is $\sqrt{2}$, then the value of k is
(a) $\sqrt{2}$ (b) $2\sqrt{2}$ (c) $1/2$ (d) 2
6. If α, β are the zeroes of the polynomial $f(x) = ax^2 + bx + c$, then $\frac{1}{\alpha^2} + \frac{1}{\beta^2} =$
(a) $\frac{b^2-2ac}{a^2}$ (b) $\frac{b^2+2ac}{a^2}$ (c) $\frac{b^2-2ac}{c^2}$ (d) $\frac{b^2+2ac}{c^2}$
7. If the zeroes of the quadratic polynomial $ax^2 + bx + c, c \neq 0$ are equal, then
(a) c and a have opposite sign (b) c and a have the same sign
(c) c and b have opposite sign (d) c and b have the same sign
8. The area of the triangle formed by the line $\frac{x}{a} + \frac{y}{b} = 1$ with the coordinate axis is
(a) ab (b) 2ab (c) $\frac{1}{2}ab$ (d) $\frac{1}{4}ab$

9. One equation of a pair of dependent linear equations is $-5x + 7y = 2$. The second equation is

(a) $10x + 14y + 4 = 0$

(b) $-10x - 14y + 4 = 0$

(c) $-10x + 14y + 4 = 0$

(d) $10x - 14y = -4$

10. The fourth vertex D of a parallelogram ABCD whose three vertices are A (-2,3), B (6,7) and C (8,3) is

(a) (0,1)

(b) (0, -1)

(c) (-1, 0)

(d) (1,0)

11. If the point (k,0) divides the line segment joining the points A(2,-2) and B(-7,4) in the ratio 1:2, then the value of k is

(a) 1

(b) 2

(c) -2

(d) -1

DIRECTION: In the question number 12, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option.

(a) Both A and R are true and R is the correct explanation of A.

(b) Both A and R are true but R is not the correct explanation of A.

(c) A is true but R is false.

(d) A is false but R is true.

12. **ASSERTION:** If the system of equations $3x + 6y = 10$ and $2x - ky + 5 = 0$ is inconsistent, then $k = -4$.

REASON: The system of equations $a_1x + b_1y + c_1 = 0$ and $a_2x + b_2y + c_2 = 0$ is inconsistent if

$$\frac{a_1}{a_2} = \frac{b_1}{b_2} = \frac{c_1}{c_2}$$

SECTION - B

13. Find the smallest number that when divided by 35, 56 and 91 leaves remainder 7 in each case.

14. Find a quadratic polynomial, one of whose zeros is $3 - \sqrt{5}$ and the sum of zeros is 6.

OR

If α and β are the zeros of the quadratic polynomial $p(x) = x^2 - 5x + 6$, find the value of $\alpha - \beta$.

15. Solve for x and y : $0.5x + 0.7y = 0.74$, $0.3x + 0.5y = 0.5$

SECTION - C

16. Prove that $\sqrt{5} + \sqrt{3}$ is irrational, given that $\sqrt{15}$ is irrational.

OR

A hall is 19 m 38 cm long and 17 m 48 cm broad. The floor needs to be paved with a minimum number of square slabs. Find the least number of slabs required for this purpose.

17. Find the zeros of the polynomial $f(x) = 4\sqrt{3}x^2 + 5x - 2\sqrt{3}$, and verify the relationship between the zeros and the coefficients of the polynomial.

18. Find the coordinates of the circumcentre of the triangle whose vertices are (8,6), (8, -2) and (2, -2). Also find the circum-radius.

SECTION - D

19. If α and β are the zeroes of the quadratic polynomial $f(x) = ax^2 + bx + c$, then evaluate:

(a) $\frac{\beta}{a\alpha+b} + \frac{\alpha}{a\beta+b}$

(b) $\frac{1}{a\alpha+b} + \frac{1}{a\beta+b}$

(c) $a \left\{ \frac{\alpha^2}{\beta} + \frac{\beta^2}{\alpha} \right\} + b \left\{ \frac{\alpha}{\beta} + \frac{\beta}{\alpha} \right\}$

20. Solve graphically the pair of linear equations $3x - 4y + 3 = 0$ and $3x + 4y - 21 = 0$. Find the coordinates of the vertices of the triangular region formed by these lines and x -axis. Also calculate the area of this triangle.
21. ABCD is a rectangle formed by the points $A(-1, -1)$, $B(-1, 4)$, $C(5, 4)$ and $D(5, -1)$. P, Q, R and S are the mid-points of AB, BC, CD and DA respectively. Is the quadrilateral PQRS a square, a rectangle or a rhombus? Justify your answer.

OR

If the coordinates of the mid-points of the sides of a triangle are $(1, 2)$, $(0, -1)$ and $(2, -1)$, find the coordinates of the vertices of the triangle.

SECTION - E

22. For the screening of an informational documentary, three schools were selected by the district administration.

Name of school	Number of students
C.A.V Public School	78
Bal Vidya Bhawan	117
Bombay Public School	130

- During the screening, multiple rooms are used simultaneously, and each room can accommodate an equal number of students.
- All students in a particular room belong to the same school.
- As a token of appreciation, the district administration has provided an equal number of chocolates to each school.
- While distributing these chocolates, each school distributes chocolates equally among its students, ensuring fairness and consistency.

Based on the above information, answer the following questions:

- (i) Find the maximum number of students that can be seated in a room. Show your working. [1]
- (ii) What is the minimum number of chocolates provided to each school? [1]
- (iii) Find the maximum number of chocolates distributed to each student of C.A.V and Bombay Public School. [2]

OR

What is the minimum number of rooms required? [2]

23. Essel World is one of India's largest amusement parks that offers a diverse range of thrilling rides, water attractions and entertainment options for visitors of all age. The park is known for its iconic "Water Kingdom" section. The ticket charges for the park are Rs 150 per child and Rs 250 per adult. On a day, the cashier of the park found that 300 tickets were sold and an amount of Rs 55,000 was collected. Based of given information, answer the following questions:

- (i) If the number of children visited is x and the number of adults visited is y , then write the two linear equations in two variables. [1]
- (ii) How many children visited the park that day? [2]

OR

- How many adults visited the park that day? [2]
- (iii) How much amount will be collected if 250 children and 100 adults visit the park? [1]



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - German
Maximum Marks- 50

Guidelines:

- This question paper consists of 4 sections A, B, C and D.
- The marks for each section are defined with individual questions.
- Attempt question of one group at one place.
- Write complete sentence for fill in the blanks type question.

Section A-Reading (10 marks)

I

Lenas Erfahrungen:

Lena ist jetzt 16 Jahre alt. Mit 16 Jahren ändert sich für Jugendliche so einiges. Außerdem hat Lena im letzten Jahr einige Reisen gemacht. Im Moment spart sie für ihren großen Traum. Lenas schönste Zeit in diesem Jahr war ihr dreiwöchiger Aufenthalt in Florida bei einer amerikanischen Familie. „Ich bin sehr gut aufgenommen worden“, sagt sie. Der Besuch mehrerer Freizeitparks, Ausflüge in die Natur und die Besichtigung des Kennedy Space-Centers machten die Reise zu einem unvergesslichen Erlebnis. Noch heute schreibt Lena regelmäßig E-Mails an mehrere netten Leute, die sie in den USA kennen gelernt hat. Aber in der Schule war alles nicht so gut: Das Zeugnis am Ende der neunten Klasse war das schlechteste, das Lena bis jetzt hatte. In der 10. Klasse hat Lena viele neue Lehrer bekommen, „Ich denke, dass bei den neuen Lehrern der Unterricht besser ist.“ Das Abschlusszeugnis nach der zehnten Klasse soll wieder so gut wie frühere Zeugnisse werden. Bis dahin hat sie noch einige Termine auf dem Kalender: Im Herbst nimmt Lena an einem Schüleraustausch mit der französischen Partnerstadt Loches teil. Außerdem fährt die gesamte Jahrgangsstufe im Winter zum Skilaufen nach Obertauern in Österreich.

Zum Judo geht Lena 2- bis 3-mal in der Woche. Außerdem trainiert sie mit ihrer Freundin Katrin mit jüngeren Sportlern. Manchmal fährt sie auch zu Wettkämpfen, meistens als Betreuerin (supervisingtutor). Lena trägt den braunen Gürtel, das steht für den höchsten Schülergrad im Judo. Darauf ist sie sehr Stolz! Was für Vorteile hat man mit 16? Ich darf Alkohol und Zigaretten kaufen, aber das kommt für mich als Sportlerin überhaupt nicht in Frage. „Viel wichtiger findet sie, dass sie in diesem Jahr zum ersten Mal an Kommunalwahlen (elections) teilnehmen kann. Im Politikunterricht in den Zeitungen und im Internet hat sie sich vorher informiert. In den Sommerferien hat Lena zwei Wochen in einer Werkzeugfabrik gearbeitet. Das verdiente Geld will sie sparen: Noch einmal nach Amerika reisen, das ist im Moment ihr Traum.

A. Fragen:

1. Wie lange war Lena in Florida? Wo hat sie gewohnt?
2. Warum war ihre Reise nach Florida unvergesslich?
3. Welche Pläne hat Lena für Herbst und Winter?
4. Wie ändert sich mit 16 Jahren das Leben für Jugendliche?
5. Was hat Lena in den Ferien gemacht? Warum?

1x5=5

	<p>B. Richtig oder falsch:</p> <ol style="list-style-type: none"> 1. Lena hat ihre Sommerferien komplett in Florida verbracht. 2. Lena möchte ihr Abschlusszeugnis in der 10. Klasse verbessern. 3. Lena geht jeden Tag zum Judotraining. 4. Lena interessiert sich nicht für Politik und hat nicht an den Wahlen teilgenommen. 5. Lena hat in einer Werkzeugfabrik gearbeitet, um Geld für eine weitere Amerikareise zu sparen. 	1x5=5
	<p>Section B -Writing (05 marks)</p>	
II	<p>E-Mail schreiben:</p> <p>Deine deutsche Freundin Silke hat dich in ihrer letzten Mail über deine Schule gefragt. Schreib ihr eine E-Mail und erzähl von deiner Schule. Schreib etwas zu den folgenden Punkten:</p> <ul style="list-style-type: none"> • Welche Schule besuchst du? Wie lange dauert die Schule? • Wann und wie viele Pausen hast du in der Schule? • hat die Schule eine Kantine? Was kann man da kaufen? • Wie findest du das Essen in der Schulkantine? <p style="text-align: center;">ODER</p> <p>Du bist mit deinem Freund in Schulkantine. Er will Pizza essen, aber du willst etwas Gesunderes essen. Diskutiert darüber mit deinem Freund. Schreib dazu einen Dialog.</p>	5
	<p>Section C - Applied Grammar (25 marks)</p>	
III	<p>Bilde indirekte frage mit 'Ob'</p> <ol style="list-style-type: none"> a. Lernt ihr Kochen in der Schule? - Ich verrate dir nicht, _____? b. Ist das Essen in der Kantine gut oder schlecht? - Ich weiß nicht, _____? c. Kommt Max morgen? - Er fragt, _____? d. Hat Thomas am Montag Zeit? - Ich weiß nicht, _____? e. Kannst du Morgen mitkommen? - Weißt du, _____? 	1x5=5
IV	<p>Ergänze die Adjektive mit den richtigen Endungen:</p> <ol style="list-style-type: none"> a. Mein Freund Ralf ist ein _____ (nett) Junge. b. Karl ist wirklich ein _____ (hilfsbereit) Mensch! c. Hast du „Alchemist“ gelesen. So eine _____ (fantasievoll) Gesichte! d. Ich möchte keine _____ (langweilig) Sendungen sehen. e. Lena ist so _____ (Humorvoll) Mädchen. 	1x5=5

V	<p>Ausfüllen mit richtigen Präpositionen:</p> <p>a. Wir fliegen _____ London. (zu, zwischen, nach, gegen)</p> <p>b. Ich sitze _____ dem Stuhl. (auf, über, bei, zwischen)</p> <p>c. Am Wochenende fahren wir _____ unserer Oma. (aus, zu, in, gegen)</p> <p>d. Woher kommst du? Ich komme _____ der Schule. (zu, aus, bei, in)</p> <p>e. Wir fahren seit einer Stunde dem Fluss _____. (entlang, beim, gegen, über)</p>	1x5=5
VI	<p>Ergänze mit der richtigen Adjektivendung</p> <p>a. Wir verkaufen unser _____ alt Haus in München.</p> <p>b. Unser groß _____ Haus liegt auf der Blumenstraße.</p> <p>c. Wer wohnt in deinem groß _____ Haus?</p> <p>d. Der Junge heißt Nikos und hat eine groß _____ Werkstatt in der lang _____ Fischerstraße.</p> <p>e. Nikos kommt aus einer klein _____ Stadt.</p>	.5x10=5
VII	<p>Kombinieren die Sätze mit Konnektoren:</p> <p>a. Wir wollen nach Deutschland fliegen. Wir haben nicht genug Geld. (Obwohl)</p> <p>b. Wir denken. Deutsch ist sehr Interessant. (dass)</p> <p>c. Glaubst du? Soll ich ein Neues Smartphone kaufen. (dass)</p> <p>d. Herr Müller ist traurig. Seine Frau ist gestorben. (weil)</p> <p>e. Sag mir. Hat sie einen neuen Job gefunden? (ob)</p>	1x5=5
<p>Section D -Textbook (10 marks)</p>		
VIII	<p>EINLADUNG</p> <p>Liebe Schülerinnen und Schüller, Liebe Lehrerinnen und Lehrer, Liebe Eltern! Unsere Schule wählt einen neuen Kantinenleiter. Deshalb wollen wir am 14.5 und 15.5 Jeweils um 13.00 Uhr ein Testessen machen. Dazu laden wir Schüler, Lehrer und Eltern ein. 12 Personen (vier aus jeder gruppe) können mitmachen, die Teilnehmer bestimmt das los. Wir wünschen alle viel Glück! Und so funktioniert unser Testessen: Jeder Teilnehmer probiert jedes Gericht! Danach füllt sie/er einen Fragebogen aus. Interessiert? Dann gleich anmelden unter: www.gbs.de/testessen oder einfach anrufen unter 0221 51246373. Anmeldschluss 10.5. Guten Appetit.</p> <p>Rosemarie Gassner Direktorin, Gutenbergschule</p> <p>A. Beantworte die Fragen:</p> <p>a. Wer hat die Einladung geschrieben? An wen?</p> <p>b. Warum gibt es ein Testessen in der Schule?</p> <p>c. Wann findet das Testessen statt?</p> <p>d. Was machen das Testesser?</p> <p>e. Wie kann Man sich für das anmelden?</p>	1x5=5

IX Füllen Sie die Lücken mit den richtigen Alternativen aus der Liste aus:

0.5X10=5

Schüler, Qualität, Noten, Testesser, lacht, glaubt, Kartoffelsuppe,
Essen, schmeckt, Hause

Großes Testessen für Schulkantinen in Köln
Lehrer, _____ und Eltern probieren in vielen Schulen in Köln Alternativen zum bisherigen Kantinenangebot und geben _____ von 1 bis 6 für Aussehen, Geschmack und _____ der neuen Gerichte. Auf die Frage, wo es denn besser _____, zu Hause oder in der Kantine, sieht _____ Robin Hörmann in der Gesamtschule Rodenkirchen erst kurz zu seiner Mutter Sandra. Sie ist auch Testesserin und vom neuen Schulessen positiv überrascht. „Genauso gut wie zu _____“, sagt Robin dann, und seine Mutter _____: „Er hat total recht!“ Jeder _____, dass Kinder und Jugendliche Pommes und Pizza lieben, also eher die fetten, nicht sehr gesunden Gerichte. Aber das stimmt nicht. Auf den Fragebögen der Testesser sieht man, dass gesunde Gerichte wie Karotten oder _____ den Schülern ebenso gut schmecken wie Pommes oder Nudeln mit Soße. Nur frisch müssen die Zutaten sein, gut gekocht und schön serviert! „Unser Essen soll immer besser werden“, sagt auch Rosemarie Gassner von der Gutenbergschule. „Da helfen uns die ehrlichen Antworten unserer Testesser sehr. Und für gutes _____ zahlen die meisten Eltern gern ein bisschen mehr nach dem Motto: „Lieber gut als nur günstig.“



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - Hindi
Maximum Marks- 50

सामान्य निर्देश :-

- इस प्रश्न पत्र में चार खंड हैं— खंड 'क', ख, ग और 'घ'।
- यथा संभव सभी प्रश्नों के उत्तर क्रमशः लिखिए।

खंड—'क' (अपठित बोध)

प्रश्न 1. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयुक्त उत्तर लिखिए — (1x3+2x2)

विद्या + अर्थी अर्थात् विद्या के अर्जन हेतु जिसका जन्म हो, वो है विद्यार्थी। लेकिन नित्य बढ़ती अनुशासनहीनता के कारण आजकल के विद्यार्थियों ने उसका अर्थ बदल दिया है। वो इस प्रकार है जो विद्या की अर्थी निकाल दे वही विद्यार्थी है। विद्यार्थियों में बढ़ती अनुशासनहीनता के कारणों में संभवतः सर्वाधिक मुख्य कारण यह भी है कि प्रायः विद्यार्थी अनुशासन के लाभों से अपरिचित होते हैं। उन्हें ज्ञान नहीं होता कि अनुशासन से जीवन सुखी एवं शांत बन जाता है। अनुशासनहीनता का दूसरा कारण यह है कि आज की शिक्षा प्रणाली में आचरण को केवल व्यक्तिगत विषय समझ लिया गया है। विद्यार्थी को आचरण संबंधी शिक्षा नहीं दी जाती है तथा पुस्तकीय ज्ञान को ही सब कुछ मान लिया जाता है। फलतः विद्यार्थी की चंचल मानसिक प्रवृत्ति निरंतर उद्वेगता की ओर उन्मुख होती चली जा रही है। अतः यह आवश्यक है कि हम अपनी शिक्षा पद्धति में सुधार करें तथा आचारशास्त्र को ही आरंभिक कथाओं में अनिवार्य तथा उच्च कक्षाओं में वैकल्पिक विषय के रूप में स्थान दें। इसके साथ ही हमें विद्यार्थियों को यह बताना चाहिए कि अनुशासन किस प्रकार से उनके भावी जीवन के विकास में सहायक बन सकता है? हमें विद्यार्थियों को इस बात की शिक्षा देनी चाहिए कि अनुशासन के माध्यम से मन पर नियंत्रण करने की कला भी आती है। मन को अपने वश में रखने की कला सीख लेने से यह लाभ होता है कि जीवन में प्रगति के पथ पर बढ़ते समय कोई रुकावट नहीं आती, लेकिन जो व्यक्ति अपने मन पर शासन करने की कला में प्रवीण नहीं हो पाते, उन्हें सदैव परमुखापेक्षी रहना पड़ता है।

- (1) अनुशासनहीनता का दूसरा कारण है— (1)
- (क) अच्छी पुस्तकों का अभाव
(ख) अच्छे शिक्षकों की कमी
(ग) शिक्षा प्रणाली में आचरण की शिक्षा का अभाव
(घ) शिक्षण साधनों का अभाव
- (2) मन को वश में रखने की कला सीखने का क्या कारण है? (1)
- (क) जीवन में प्रगति के पथ पर बढ़ते समय कोई रुकावट नहीं आती
(ख) कार्य कुशलता का विकास होता है
(ग) आचरण की शिक्षा की आवश्यकता नहीं पड़ती
(घ) शिक्षण साधनों का अभाव होता है
- (3) निम्नलिखित कथन और निष्कर्ष को ध्यान से पढ़कर दिए गए विकल्प से सही उत्तर चुनकर लिखिए— (1)
- कथन: अनुशासन के फायदे आज के विद्यार्थी भली-भांति जानते हैं।
निष्कर्ष: वर्तमान समय में विद्यार्थियों में अनुशासन कम हो गया है।
- (क) कथन सही है लेकिन निष्कर्ष गलत है।
(ख) कथन और निष्कर्ष दोनों सही हैं।
(ग) कथन गलत है और निष्कर्ष सही है।
(घ) कथन और निष्कर्ष दोनों गलत हैं।

(4) विद्यार्थियों में बढ़ती अनुशासनहीनता का प्रमुख कारण क्या है? इसका दुष्परिणाम क्या है? (2)

(5) विद्यार्थियों को अनुशासन के लाभों से परिचित करवाना क्यों आवश्यक है? (2)

प्रश्न 2. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयुक्त उत्तर लिखिए – (1x3+2x2)

अनुशासन शब्द का अर्थ है शासन अनुकूल होना अथवा शासन के पीछे यानी जिसमें कोई-न-कोई नियंत्रण शक्ति विद्यमान हो। इस दृष्टि से जीवन भी अनुशासन में बंधा है। जीव पैदा होता है, कुछ वर्ष संसार में जीता है और मृत्यु को प्राप्त हो जाता है। जीवन के साथ-साथ संपूर्ण प्रकृति भी अनुशासन में बंधी है। प्रतिदिन प्रातः काल सूर्य उदित होता है और शाम को अस्त हो जाता है। चंद्रमा प्रत्येक मास के 15 दिन नहीं दिखलाई पड़ता है, तारे रात में दिखाई पड़ते हैं दिन में नहीं। दूर, सघन वनों में पेड़-पौधे बिना माली के भी फलते-फूलते रहते हैं। मौसम एक नियम से लगातार बदलते रहते हैं। इस जीवन में व्यक्तिगत और सामूहिक दोनों स्तरों पर अनुशासन की अपेक्षा की जाती है। व्यक्तिगत स्तर पर मन, वाणी और कर्म का अनुशासन व्यक्ति के जीवन को सार्थक बनाता है। मन का स्वभाव है, चंचलता। जिसने इस चंचलता पर काबू पा लिया समझ लो उसने संसार पर काबू पा लिया। जिसने मन जीत लिया, उसने जग जीत लिया। वाणी का अनुशासन सफल जीवन के लिए नितान्त आवश्यक है। जो लोग अपनी वाणी पर अंकुश नहीं रख पाते वे लोग संसार में न तो कभी यश प्राप्त कर पाते हैं और न लोकप्रियता। भारतीय चिंतन में कर्म के अनुशासन को भी बहुत महत्व दिया गया है। श्री कृष्ण ने गीता में कर्मों की कुशलता को ही योग का नाम दिया है। संसार उन्हीं लोगों को याद रखता है जिन्होंने अपने कर्मों को अनुशासित ढंग से पूरा किया है। संसार के महान योद्धाओं, महान राजनेताओं, चितकों, साहित्यकारों और वैज्ञानिकों के विषय में यह कथन शत-प्रतिशत सही है— कर्म के अनुशासन के बिना कोई महान नहीं बनता।

(1) गद्यांश के अनुसार जीवन तभी सार्थक बनता है जब— (1)

- (क) मन, वाणी और कर्म में अनुशासन हो
- (ख) जब अनुशासन की अपेक्षा की जाए
- (ग) जब मनुष्य मृत्यु को प्राप्त हो जाए
- (घ) जब वाणी पर काबू न हो

(2) गीता में योग का नाम दिया गया है— (1)

- (क) अनुशासन की अपेक्षा करने वाले को
- (ख) कर्मों की कुशलता को
- (ग) विकल्प (क) और (ख) दोनों सही हैं
- (घ) विकल्प (क) और (ख) दोनों गलत हैं

(3) निम्नलिखित कथन और निष्कर्ष को ध्यान से पढ़कर दिए गए विकल्प से सही उत्तर चुनकर लिखिए— (1)

- कथन: दुनिया उन्हीं लोगों को याद रखती है जिन्होंने अपने कर्तव्यों को अनुशासित तरीके से पूरा किया है।
निष्कर्ष: अनुशासन के बिना कोई भी महान नहीं बन सकता।
- (क) कथन सही है लेकिन निष्कर्ष गलत है।
 - (ख) कथन और निष्कर्ष दोनों सही हैं।
 - (ग) कथन गलत है और निष्कर्ष सही है।
 - (घ) कथन और निष्कर्ष दोनों गलत हैं।

(4) अनुशासन का अर्थ स्पष्ट कीजिए। (2)

(5) श्रीकृष्ण के अनुसार योग क्या है एवं संसार किनको याद रखता है? (2)

खंड-‘ख’ (व्यावहारिक व्याकरण)

- प्रश्न 3. निर्देशानुसार पदबंध पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लिखिए : (1x2=2)
- (क) परिश्रम करने वाले छात्र अवश्य सफल होंगे।—वाक्य में रेखांकित पदबंध का भेद लिखिए।
(ख) वह बहुत धीरे-धीरे चलता है।—वाक्य में रेखांकित पदबंध का भेद लिखिए।
(ग) वह दौड़ रहा था।—वाक्य में रेखांकित पदबंध का भेद लिखिए।

- प्रश्न 4. निर्देशानुसार ‘रचना के आधार पर वाक्य रूपांतरण’ पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लिखिए : — (1x2=2)
- (क) प्रश्न—पत्र मिलने पर छात्रों ने राहत की साँस ली।—मिश्र वाक्य में रूपांतरित कीजिए।
(ख) राम आया और श्याम गया।—रचना के आधार पर वाक्य—भेद बताइए।
(ग) नीरजा खाकर स्कूल जाएगी।—संयुक्त वाक्य में रूपांतरित कीजिए।

- प्रश्न 5. निर्देशानुसार ‘समास’ पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लिखिए : (1x2=2)
- (क) ‘यथासंभव’—समस्तपद का विग्रह कर समास का भेद लिखिए।
(ख) तुलसी द्वारा कृत—समस्तपद बनाकर समास का भेद लिखिए।
(ग) चौराहा—समस्तपद का विग्रह कर समास का भेद लिखिए।

- प्रश्न 6. निर्देशानुसार ‘मुहावरे’ पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लिखिए : (1x2=2)
- (क) प्राण सूखना—‘मुहावरे’ का वाक्य में इस प्रकार प्रयोग कीजिए कि उसका अर्थ स्पष्ट हो जाए।
(ख) अंधे के हाथ बटेर लगना—मुहावरे का अर्थ लिखिए।
(ग) लोहे के चने चबाना—मुहावरे का वाक्य में इस प्रकार प्रयोग कीजिए कि उसका अर्थ स्पष्ट हो जाए।

खंड-‘ग’ (पाठ्यपुस्तक)

- प्रश्न 7. निम्नलिखित पठित गद्यांश पर आधारित बहुविकल्पी प्रश्नों के सर्वाधिक उपयुक्त उत्तर वाले विकल्प चुनकर लिखिए: (1x5=5)
- रावण भूमंडल का स्वामी था। ऐसे राजाओं को चक्रवर्ती कहते हैं। आजकल अंग्रेजों के राज्य का विस्तार बहुत बढ़ा हुआ है, पर इन्हें चक्रवर्ती नहीं कह सकते। संसार में अनेक राष्ट्र अंग्रेजों का आधिपत्य स्वीकार नहीं करते, बिलकुल स्वाधीन हैं। रावण चक्रवर्ती राजा था, संसार के सभी महीप उसे कर देते थे। बड़े—बड़े देवता उसकी गुलामी करते थे। आग और पानी के देवता भी उसके दास थे, मगर उसका अंत क्या हुआ? घमंड ने उसका नाम—निशान तक मिटा दिया, कोई उसे एक चुल्लू पानी देने वाला भी न बचा। आदमी और जो कुकर्म चाहे करे पर अभिमान न करे, इतराये नहीं। अभिमान किया और दीन—दुनिया दोनों से गया।

- (1) रावण कौन था?
(क) अयोध्या का राजा
(ख) देवताओं का दास
(ग) भूमंडल का स्वामी
(घ) अंग्रेजों का मददगार
- (2) रावण चक्रवर्ती सम्राट क्यों था?
(क) क्योंकि संसार के सभी राजा उसे कर देते थे।
(ख) क्योंकि बड़े—बड़े देवता उसकी गुलामी करते थे।
(ग) क्योंकि आग और पानी के देवता भी उसके दास थे।
(घ) उपर्युक्त सभी

- (3) निम्नलिखित कथन (A) तथा कारण (R) को ध्यानपूर्वक पढ़िए । उसके बाद दिए गए विकल्पों में से कोई एक सही विकल्प चुनकर लिखिए।
कथन (A): घमंड ने रावण का नाम – निशान मिटा दिया।
कारण (R): क्योंकि रावण बहुत अहंकारी था।
 (क) कथन (A) तथा कारण (R) दोनों सही हैं।
 (ख) कथन (A) तथा कारण (R) दोनों गलत हैं।
 (ग) कथन (A) सही तथा कारण (R) गलत हैं।
 (घ) कथन (A) गलत तथा कारण (R) सही हैं।
- (4) नाम – निशान मिटाना का अर्थ है –
 (क) नाम लिखकर मिटाना
 (ख) कहीं कुछ काम करना
 (ग) सब कुछ नष्ट करना / हो जाना
 (घ) इनमें से कोई नहीं
- (5) कौन, किसे रावण का उदाहरण देकर समझा रहा है?
 (क) राम, रावण को
 (ख) भाई साहब, लेखक को
 (ग) लेखक, पाठक को
 (घ) पाठक, श्रोता को

प्रश्न 8. पाठ्यपुस्तक 'स्पर्श' के गद्य खंड पर आधारित निम्नलिखित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 25 –30 शब्दों में लिखिए: (2x2=4)

- (क) अम्मा और दादा को हमें समझाने और सुधारने का अधिकार हमेशा रहेगा। बड़े भाई ने ऐसा किस संदर्भ में और क्यों कहा ?
 (ख) बड़े भाई साहब को अपने मन की इच्छाएँ क्यों दबानी पड़ती थी?
 (ग) 26 जनवरी के दिन को अमर दिन क्यों कहा गया है? 'जायरी का एक पन्ना' पाठ के आधार पर उत्तर लिखिए।

प्रश्न 9. निम्नलिखित काव्यांश को पढ़कर दिए गए प्रश्नों के सर्वाधिक उपयुक्त विकल्पों का चयन कीजिए: (1x5=5)

जब मैं था तब हरि नहीं, अब हरि हैं मैं नाँहि ।
 सब अँधियारा मिटि गया, जब दीपक देख्या माँहि ॥
 सुखिया सब संसार है, खायै अरु सोवै ।
 दुखिया दास कबीर है, जागै अरु रोवै ॥

- (1) काव्यांश में 'मैं' किसके लिए प्रयुक्त हुआ है?
 (क) कवि के लिए
 (ख) हरि के लिए
 (ग) अपने लिए
 (घ) अहंकार के लिए
- (2) कवि के अनुसार संसार किस बात से सुखी है?
 (क) खाने – पीने से
 (ख) सोने से
 (ग) (क) एवं (ख)
 (घ) रोने
- (3) कबीर दुखी क्यों हैं?
 (क) वे गरीब हैं
 (ख) वे ईश्वर को प्राप्त नहीं कर सके
 (ग) वे अज्ञानी हैं
 (घ) उनको हरि मिल गए

- (4) प्रस्तुत साखी में 'दीपक' किसका प्रतीक है?
 (क) व्यक्ति विशेष का
 (ख) दीये का
 (ग) ज्ञान का
 (घ) अज्ञान का
- (5) प्रस्तुत साखी में 'अँधियारा' किसका प्रतीक है?
 (क) कबीर का
 (ख) ईश्वर का
 (ग) दीपक का
 (घ) अज्ञान/अहंकार का

प्रश्न 10. काव्य खंड पर आधारित निम्नलिखित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 25 –30 शब्दों में लिखिए: – (2x2=4)

- (क) तन और वस्त्रों की स्वच्छता तो साबुन – पानी से की जा सकती है, स्वभाव को किस प्रकार स्वच्छ किया जा सकता है? कबीर की साखी के संदर्भ में उत्तर लिखिए।
 (ख) श्रीकृष्ण की चाकरी करने के पीछे मीरा की क्या अभिलाषा थी?
 (ग) मीरा अपने पद में भक्त की विपत्ति दूर करने के लिए किन प्रसंगों की याद कृष्ण को दिलाती हैं?

खंड – 'घ' (रचनात्मक लेखन)

प्रश्न 11. निम्नलिखित विषयों में से किसी एक विषय पर दिए गए संकेत – बिंदुओं के आधार पर लगभग 120 शब्दों में एक अनुच्छेद लिखिए: (5)

- (क) बढ़ती जनसंख्या : एक भयानक समस्या
 संकेत-बिंदु-
 • विकराल समस्या
 • दुष्परिणाम
 • कारण एवं उपाय
- (ख) आधुनिक जीवन
 संकेत-बिंदु-
 • आवश्यकताओं में वृद्धि
 • अशांति
 • क्या करें
- (ग) समाचार – पत्रों का कोई विकल्प नहीं
 संकेत-बिंदु-
 • जानकारी का सस्ता और सुलभ साधन
 • समाचार – पत्रों के प्रकार
 • समाचार – पत्रों के लाभ

प्रश्न 12. आपका नाम शोभित/शोभना है। भीषण गर्मी के कारण वैश्विक स्तर पर जंगलों में लगने वाली आग पर चिंता और उसके समाधानों पर विचार व्यक्त करते हुए किसी प्रतिष्ठित दैनिक हिंदी समाचार – पत्र के संपादक को पत्र लिखिए। (5)

अथवा

आपके बचत खाते का ए. टी. एम कार्ड खो गया है। खो गए कार्ड को निरस्त करने एवं नवीन कार्ड की प्राप्ति हेतु बैंक प्रबंधक को पत्र लिखिए।



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - French
Maximum Marks- 50

Section A

Comprehension (10 Marks)

L'île de Bali se trouve à 120 km à l'est de Java. C'est le détroit de Bali qui fait la séparation entre Bali et Java.

La chaîne montagneuse du centre de Bali comprend plusieurs pics de plus de 2000 mètres d'altitude. Le plus est l'Agung, un volcan actif baptisé la « mère montagne ». La nature volcanique de Bali contribue à son exceptionnelle fertilité et ses hautes chaînes montagneuses provoquent les fortes précipitations favorisant la forte du secteur agricole. La vaste zone descendant du côté sud des montagnes est consacrée à la culture du riz. Le fleuve le plus long est la rivière Ayung. Bali n'a pas de voies navigables importantes.

L'île est entourée de récifs coralliens*. Les plages du sud sont de sable blanc et celles du nord et de l'est sont de sable noir. Les plages de sable noir entre Pasut et Klatingdukuh ont été développées pour le tourisme.

Trois petites îles situées au sud-est sont NusaPenida, NusaLembongan et NusaCeningain. Elles sont séparées de Bali par le détroit de Badung.
(récifs coralliens : coral reefs)

Répondez aux questions suivantes : (2 au choix)

[2×2 = 4]

- 1) Quelle est l'importance des hautes chaînes montagneuses dans l'île de Bali ?
- 2) Quelle est la plus longue fleuve du bali?
- 3) Nommez trois petites îles situées an sud-est.

Trouvez dans le texte :

[3]

- 1) Le contraire de < bas >
- 2) La forme nominale de < cultiver >
- 3) Un adjectif
- 4) Une conjonction
- 5) La forme verbale de < le développement >
- 6) Une préposition

Dites vrai ou faux :

[3]

- 1) On appelle l'augung la < mère montagne >
- 2) La nature volcanique de baki contribué à sa , fertilité.
- 3) Les récifs xoralliens entourent l'île de Bali .
- 4) Le droit de Badungsépare Bali et java .
- 5) Il n'y à pas de petites villes.
- 6) L'île de Bali se trouve à 3 , 2 km + l'est de java.

Section - B
(Expression Écrite) (15 Marks)

1. Écrivez Une lettre 80 mots: 10 Marks

(a) Écrivez une lettre à votre ami en expliquez que comment nous protéger notre environnement.

Ou

(b) vous êtes en france . Décrivez le systeme d'éducation français à votre mère.

Ou

(c) Écrivez une lettre à votre ami qui est au chômage. Donnez -lui des conseils .

2. FAITES DEUX DES QUESTIONS SUIVANTES :

(a) vous avez acheté des billets pour voir un film samedi soir à six heures. Vous allez voir un pour l'inviter mais il n'est pas chez lui. Vous lui laissez un message . Écrivez le message.

Ou

(b) Mettez le dialogue en ordre. [5]

(1) C'est grave docteur?

(2) Depuis quand tu es malade ?

(3) Merci docteur. Voici les honoraires.

(4) Bonjour docteur, je ne me sens pas bien. Je tousse beaucoup et j'ai mal à la tête.

(5) Laisse-moi voir. Ah, tu as attrapé un rhume. Je vais te prescrire des médicaments.

(6) Depuis deux jours.

(7) Pas du tout. Prends ces pilules et cette sirope pour la toux. Tu seras guérie.

Section - C (Grammaire) (30 Marks)

I. Mettez aux temps convenable : (5 aux choix) [5]

1) Quand je (revenir) en France , je te verrai.

2) _____ la port! (Fermer)

3) Hier, mon amie (aller) au portugal.

4) Comment (venir) tu hier soir ?

5) Madame, je (vouloir) deux baguettes s'il vous plaît .

6) Vous _____ (se présenter) au directeur dans quelques minutes.

7) L'année dernière, nous _____ (aller) en Europe.

II. Mettez les phrases suivantes à la forme négative : [5]

1) Elle a déjà fait les devoir.

2) Nous prenons souvent des escargots.

3) Jean veut encore de la crème.

4) Ils ont des soeurs.

5) C'est un stylo.

Ou

III. Trouvez des questions : [5]

1) Elle a pris les gateaux

2) Oui, c'est fini.

3) Paul a pris deux romans.

4) Ils viennent de Londres.

5) Ses joues sont roses.

IV. Remplacez les noms soulignés par les pronoms:

[5]

- 1) Marc a offert des roses
- 2) J'ai acheté les livres
- 3) Il m'envoie des cartes.
- 4) Vas- tu téléphoner à tes cousins ?
- 5) Luc va souvent à paris

Ou

Reliez les phrases en utilisant les pronoms relatifs simples ou composés :

[5]

- 1) C'est une idée. Je ne partage pas cette idée.
- 2) Avez vous ce livre ? Vous m'avez parlé de ce livre .
- 3) C'est mon meilleur ami. Je lui écris souvent:
- 4) J'aime ton style . C'est un style vraiment original .
- 5) C'est une belle idée. Tu as pensé à cette.

Section - D

Culture and civilisation (20 marks)

A. Répondez au questions suivantes : (5 aux choix)

[5]

- 1) Qu'est -ce que le brevet ?
- 2) Quelles est travail d'une secrataire ?
- 3) À quoi sert le site de pôle - emploi ?
- 4) Quest-ce que L'ANPE?
- 5) Quest-ce que le different niveaux du système éducatif du france.
- 6) Quand en obtient le diplome en france ?
- 7) Quest-ce que tu veux devenir ?

B. Reliez les phrases :

[5]

- | | |
|-------------|------------------|
| 1) Entrer. | a) une formation |
| 2) Passer. | b) de l'école |
| 3) Suivre. | c) à la fac |
| 4) Sortir | d) à la examen |
| 5) Réussir. | e) un concours |



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - Introduction to Financial Markets
Maximum Marks- 50

All the questions are compulsory

PART A

1. Which of the following is a type of verbal communication? (1)
 - A. Eye contact
 - B. Poster
 - C. Phone call
 - D. Facial expressions
2. Which of these is NOT a method of communication? (1)
 - A. E-mail
 - B. Poster
 - C. Jumping
 - D. Face-to-face conversation
3. List any two factors to consider while choosing a communication method. (2)
4. Mention two advantages of verbal communication. (2)
5. Explain any four different methods of communication and give one real-life example of each. (4)

PART B

Multiple Choice Questions (MCQs)

(1x6=6)

1. Why is it important to consider inflation in investment planning?
 - A. It reduces the tax on income
 - B. It increases the value of money
 - C. It affects the real rate of return
 - D. It boosts savings automatically
2. Which of the following is NOT a financial asset?
 - A. Fixed Deposit
 - B. Mutual Fund
 - C. Real Estate
 - D. Provident Fund
3. Which is one of the three golden rules of investing?
 - A. Invest rarely
 - B. Invest only after retirement
 - C. Invest regularly
 - D. Avoid compounding

4. What does the term 'liquidity' refer to in the context of investments?

- A. The risk associated with an investment
- B. The ease with which an asset can be converted into cash
- C. The potential return on an investment
- D. The duration for which an investment is held

5. What does SEBI stand for?

- A. Securities and Equity Bank of India
- B. Society for Economic Business in India
- C. Securities and Exchange Board of India
- D. Stock Exchange Bureau of India

6. Which of the following is NOT a participant in the securities market?

- A. Investors
- B. Issuers
- C. Intermediaries
- D. Consumers

Very Short Answer Questions:

(1x4=4)

- 1) What is meant by "investment"?
- 2) Name any two factors that influence interest rates.
- 3) What are Mutual Funds?
- 4) What is meant by Dematerialisation?

Short Answer questions:

(2x1=2)

- 1) Why is it necessary to have a regulator in the securities market?

Long answer questions:

(3x4=12)

1. Explain any three key precautions an investor must take before making an investment.
2. Who are the main participants in securities market and what role do they play?
3. Describe the impact of inflation on investments. Why should it be considered while planning investments?
- 4) State any three powers/functions of SEBI as the regulator of the securities market.

Very long answer questions:

(4x4=16)

1. What are the three short term investments? Explain.
 2. Differentiate between physical and financial assets with two examples of each. Which type is generally considered more liquid?
 3. What are the two main segments of the securities market? Explain how they are interrelated.
 4. List and explain any four types of securities that investors can invest in, as per the Securities Contracts Regulation Act (1956).
-



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - Spanish
Maximum Marks- 50

1. Comprensión

[10]

Viaje por España

Hola Roberto! ¿Cómo estás? Yo acabo de viajar por algunas ciudades de España durante una semana. El domingo salí de mi casa en el centro de la ciudad de Granada y fui caminando a pie hasta La Alhambra. Tras la caminata, llegué al palacio árabe a las diez de la mañana. Tuve tiempo de verlo todo antes de coger el autobús de las cinco de la tarde para llegar hasta el aeropuerto. Mi avión, con destino a las Islas Canarias, salió a las nueve y cuarto de la noche.

En mi viaje por las islas, pude visitar el Teide en Tenerife. Desde allí me subí a un barco que me llevó navegando a la isla de Gran Canaria, ¡las playas son increíbles!

El martes por la mañana a las nueve menos veinte, el avión despegó rumbo a Madrid. Cuando aterrizamos en el aeropuerto de la capital española tuve que coger el metro para hacer una visita al Museo del Prado. La visita a Madrid fue corta porque mis padres me esperaban en Barcelona para pasear por el Parque Güell de Gaudi. No me gusta mucho el avión, así que preferí hacer el viaje en tren, solo tardé unas cuantas horas. Mis padres me recogieron en la estación de trenes y fuimos a conocer la ciudad.

Para los últimos días de vacaciones, mis padres pensaron alquilar un coche para volver a Granada recorriendo la costa mediterránea. Por el camino, hicimos una parada en la ciudad de las Artes y las Ciencias en Valencia, ¡fue genial!

He pensado que el próximo viaje será por Hispanoamérica, ¿podrías proponerme una ruta?

Un beso, Vanessa

1. Responde a las preguntas:

- ¿Para quién Sara ha escrito una carta?
- ¿Por qué fue a España?
- ¿Para llegar al aeropuerto que cogió ella?
- ¿Dónde empezó ella su viaje?
- ¿Dónde quiere ir ella al próximo viaje?

2. Escribe el texto explicando una historia de amor de 2010 a 2014 de la página 28 de la unidad dos.

[5]

3. Escribe un correo electrónico a tu amigo explicándole una experiencia increíble de un viaje a tu lugar interesante. (en 80 a 100 palabras)

[5]

4. Escribe en breve sobre Miguel de Cervantes y sus dos obras más famosas. [5]
5. Escribe en breve sobre Gabriel Garcia Marquez y sus dos obras famosas. [5]
7. Contesta a las preguntas del texto de Che Guevara de unidad dos [5]
- a. ¿Dónde y cuándo nació Che Guevara?
 - b. ¿Cuándo y cuáles países son en el que recorrió él?
 - c. ¿Qué película narra su viaje en qué año?
 - d. ¿Qué hizo él en 1953?
 - e. ¿Qué pasó en 1955?
8. Contesta a las preguntas de gramática:
- a. Haz conjugación de cinco verbos irregulares y haz dos frases con cada uno de ellos en presente. [5]
 - b. Haz conjugación de los verbos levantarse, sentirse y bañarse y haz frases con ellos en presente. [3]
 - c. Haz dos frases con cada uno de "costar y sentirse" [2]
 - d. Escribe conjugación en pretérito indefinido de los verbos de hablar, comer, escribir, estar, ir/ser, tener y haz una frase con cada uno de ellos. [5]
-



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - Artificial Intelligence
Maximum Marks- 50

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **20 questions** in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. Out of the given (4 + 16 =) 20 questions, a candidate has to answer (4 + 10 =) 14 questions in the allotted (maximum) time of 2 hours.
5. All questions of a particular section must be attempted in the correct order.

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 × 4 = 4 marks)	
i.	Which of the following best describes the process of communication? A. Sharing emotions through actions only B. Sending, receiving, and understanding messages C. Talking continuously without listening D. Expressing opinions using gestures only	1
ii.	Which method of communication is most effective in situations that require immediate feedback and emotional understanding? A. Written communication B. Visual communication C. Verbal face-to-face communication D. Audio recordings	1
iii.	Identify the type of barrier when a listener misunderstands the speaker due to the use of complex jargon. A. Physical barrier B. Emotional barrier C. Semantic barrier D. Organizational barrier	1
iv.	Which of the following techniques is not considered a healthy stress management practice? A. Time management B. Regular exercise C. Avoiding all responsibilities D. Practicing mindfulness	1

v.	_____ is a type of positive stress that can improve performance and boost motivation.	1
vi.	The ability to regulate one's behavior, emotions, and thoughts in the pursuit of long-term goals is known as _____.	1

Q. 2	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
i.	A software that performs a fixed task repeatedly without adapting or learning is _____ an AI system.	1
ii.	Which of the following contributes to a machine becoming intelligent? A. Coding it with fixed rules B. Giving it a stylish design C. Providing it with data and learning algorithms D. Connecting it to a projector	1
iii.	Which among the following is not a characteristic of AI systems? A. Ability to make decisions B. Adaptability to new situations C. Storage of structured data D. Static behavior without learning	1
iv.	Human-like reasoning in machines is achieved through _____ algorithms that simulate decision-making.	1
v.	Which of the following is an essential ability that enables machines to become intelligent? A. Hard-coded instructions B. Learning from data C. Multitasking support D. Fast internet access	1
vi.	Which of the following systems is <i>not</i> considered an example of Artificial Intelligence? A. Chatbot that learns from conversations B. Robot vacuum that maps your house C. An automatic liquid soap dispenser that uses a proximity sensor to detect hands. D. AI system that detects objects using a camera	1

Q. 3	Answer any 8 out of the given 9 questions (1 x 8 = 8 marks)	
i.	<p>Assertion (A): Problem Scoping helps in identifying the AI project's objective. Reason (R): Without a clear problem, the AI model may not function correctly.</p> <p>A. Both A and R are true, and R is the correct explanation of A B. Both A and R are true, but R is not the correct explanation of A C. A is true, but R is false D. A is false, but R is true</p>	1
ii.	The process of collecting data from various sources like sensors, surveys, or websites is called _____.	1
iii.	<p>Riya is working on an AI project to detect traffic congestion in a city. She has already defined the problem and started collecting camera footage from various streets. Which stage of the AI project cycle is she in now?</p> <p>A. Problem Scoping B. Model Building C. Data Acquisition D. Evaluation</p>	1
iv.	A dataset with irrelevant features or duplicated entries must be cleaned during the _____ stage.	1
v.	<p>Mr. Kumar wants to build an AI model to recommend career options based on student interests and academic strengths. What should be his first step?</p> <p>A. Train a neural network B. Collect academic and interest data C. Define the problem and target audience D. Test existing recommendation models</p>	1
vi.	<p>Which of the following is NOT a part of the AI Project Cycle?</p> <p>A. Problem Scoping B. Data Acquisition C. Gaming D. Evaluation</p>	1
vii.	<p>A student writes the following 4Ws:</p> <ul style="list-style-type: none"> ● Who: Office workers in a company ● What: Face delays in email response ● Where: Corporate offices ● Why: Due to high volume of incoming emails <p>Which AI solution is most appropriate?</p> <p>A. Facial recognition system B. AI-based email classification and autoresponder C. AI model to detect road traffic D. AI tool to monitor sleep</p>	1

viii	The process of training an AI model using labeled data is called _____ learning.	1
ix	An AI system is trained to identify animal species from images. During testing, it wrongly identifies a cat as a tiger. This indicates a problem with: A. Model building B. Data visualization C. Problem scoping D. Deployment	1

Q. 4	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
i.	An e-commerce company wants to understand customer buying patterns during festivals. They analyze thousands of past transaction records to find trends and preferences. Which AI domain are they applying? A. Computer Vision B. NLP C. Data Science D. Deep Learning	1
ii.	A weather prediction system learns from years of temperature and rainfall data to forecast tomorrow's weather. Which concept is primarily used here? A. Deep Learning B. Artificial Intelligence C. Machine Learning D. Data Mining	1
iii.	A healthcare AI model can analyze X-ray images and detect pneumonia with high accuracy. The system improves its accuracy as it is fed with more and more images. Which approach is most likely used here? A. Machine Learning B. NLP C. Deep Learning D. Data Science	1
iv.	Assertion (A): All AI systems must use Machine Learning. Reason (R): Machine Learning is a subset of Artificial Intelligence. A. Both A and R are true, and R is the correct explanation of A B. Both A and R are true, but R is not the correct explanation of A C. A is false, but R is true D. Both A and R are false	1

v.	Regression can be used to classify whether a person is diabetic or not. (True/False)	1
vi	A chatbot answers customer questions on a shopping website using natural-sounding human language. It understands sentences like "Where is my order?" or "I want a refund." Which AI domain powers this interaction? A. Computer Vision B. Data Analytics C. NLP (Natural Language Processing) D. Robotics	1
vii	Match the following: A. Classification 1. Predicting house prices B. Regression 2. Identifying spam vs. not spam C. Clustering 3. Grouping customers by behavior Options: A. A-2, B-1, C-3 B. A-1, B-2, C-3 C. A-2, B-3, C-1 D. A-3, B-1, C-2	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)

Answer each question in 20 – 30 words.

Q. 5	What are two major barriers to effective communication? Suggest one way to overcome each.	2
Q. 6	Explain the difference between eustress and distress with one example of each.	2
Q. 7	You are working on a group project, but your teammate is not cooperating. How would you handle the situation using effective communication skills?	2
Q. 8	List two self-management techniques you use when feeling stressed before an exam and explain how they help.	2
Q. 9	Describe a situation where you had to work independently. What skills helped you manage the task successfully?	2

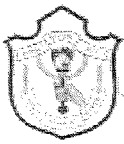
Answer any 4 out of the given 6 questions in 20 – 30 words each (2 x 4 = 8 marks)

Q. 10	A school has developed an AI-powered virtual assistant named <i>EduBot</i> to help students find answers to their questions, manage schedules, and suggest personalized learning videos based on student performance. <i>EduBot</i> learns from students' interactions over time. Identify and explain the type of AI used in <i>EduBot</i> . Support your answer with two reasons.	2
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Q. 11	A hospital uses an AI system to analyze X-ray images and predict the likelihood of diseases with over 90% accuracy. However, the doctors are concerned about the AI making decisions without explainability. Which branch or application of AI is being used here, and what type of learning may be involved?	2
Q. 12	Choose: A. Both Assertion and Reason are true, and Reason is the correct explanation B. Both are true, but Reason is not the correct explanation C. Assertion is true, Reason is false D. Both are false Assertion: AI-based systems can outperform humans in specific tasks like image recognition Reason: AI systems have better emotional understanding than humans.	2
Q. 13	How is AI being used in the transport and agriculture sectors? Mention one benefit and one challenge in each sector.	2
Q. 14	What is Artificial Intelligence? List any two abilities that make a machine intelligent.	2
Q. 15	Why is a ceiling fan not considered an AI system, but a smart thermostat is? Justify your answer.	2

Answer any 3 out of the given 5 questions in 50- 80 words each (4 x 3 = 12 marks)

Q. 16	Explain the four stages of the AI Project Cycle with suitable examples. How does this cycle help in solving real-world problems?	4
Q. 17	Rohan is a student who wants to develop an AI-based application; however he does not find the need to follow the AI project cycle. Do you think he will be able to develop an efficient AI application? Explain with reasons.	4
Q. 18	List and explain any three domains of Artificial Intelligence with one example for each. Also, mention which domain is best suited for making a face recognition system and why.	4
Q. 19	Differentiate between Artificial Intelligence, Machine Learning, and Deep Learning. Explain with suitable examples how they are related but not the same.	4
Q. 20	Consider the following four systems: 1. A fan that turns on when you press a switch 2. A smartphone assistant like Siri 3. A lamp that turns on when it gets dark 4. A system that suggests movies based on your watch history Identify which of these are AI systems and which are not. Give reasons for each.	4



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - Information Technology
Maximum Marks- 50

General Instructions:

- (i) Please read the instructions carefully.
- (ii) This Question Paper consists of **32 questions** in two sections: Section A & Section B.
- (iii) Section A has Objective type questions whereas Section B contains Subjective type questions.
- (iv) All questions of a particular section must be attempted in the correct order.

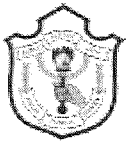
SECTION - A

Select the most suitable alternative:

[24 x 1 = 24]

1. Which of the following type of communication involves interchanging messages only through images or pictures?
(a) Verbal (b) Gesture (c) Visual (d) Facial
2. is the ability to identify and manage one's own emotion as well as the emotion of others.
(a) Self-Awareness (b) Emotional Intelligence
(c) Stress Management (d) Emotional Barrier
3. is the driving force that pushes us to achieve goal, feel happy and improve our quality of life.
(a) Stress Management (b) Self-Awareness
(c) Self-Growth (d) Self-Motivation
4. Which of the following is not an element of communication process cycle?
(a) Time (b) Receiver (c) Channel (d) Sender
5. The school is organizing a Career Counselling Workshop. Which of the following will be most effective method of communication to inform all students of school?
(a) Face-to-Face communication (b) Phone call
(c) Notice/Poster (d) Meet everyone in person
6. A declarative sentence states a fact and ends with a?
(a) Exclamation mark (b) Full stop
(c) Question mark (d) None of these

7. Which of the following is not a sign of stress?
 (a) Headache (b) Mental fatigue (c) Blood Pressure (d) None of these
8. Which of the following can be beneficial to reduce stress?
 (a) Yoga (b) Meditation (c) Both (i) and (ii) (d) None of these
9. Which of the following is the ability to organize and monitor ones own behavior?
 (a) Self regulation (b) Punctuality (c) Hard work (d) None of these
10. Which of the following enables to stay committed to the decided goals?
 (a) Punctuality (b) Sustained Focus
 (c) Self regulation (d) None of these
11. is the latest version of Windows Os.
 (a) Windows 8 (b) Windows 10
 (c) Windows 11 (d) Windows 7
12. are buttons on desktop in the form of small pictures.
 (a) Icons (b) Apps (c) System tray (d) Notifications
13. Which of the following is the latest version of Android OS?
 (a) Pie (b) Android 15 (c) Lolipop (d) None of these
14. Which of the following is a feature of Android?
 (a) Open Source (b) Linux based (c) Both (i) and (ii) (d) None of these
15. Suraj wanted to buy an Operating system that is not so commonly used. Which one should be preferred?
 (a) Linux (b) Windows (c) Solaris (d) Android
16. The official mascot of Linux operating system is
 (a) Tux-the Penguin (b) Camel (c) Shark (d) None of these
17. In based Opearting system user interacts with the computer by typing commands at a command prompt.
 (a) GUI (b) CUI (c) CLI (d) None of these
18. In this type of Operating system allows the computer to work on multiple applications simultaneously by switching between them.
 (a) Multi-Processing OS (b) Real time OS
 (c) Distributed OS (d) Multi-tasking OS
19. An operating system that manages a group of independent computers and makes them appear to be a single computer is known as a..... operating system.
 (a) Real time OS (b) Graphical (c) Distributed OS (d) Multi-user OS
20. Non verbal communication includes
 (a) Written messages (b) Facial expressions
 (c) Email communication (d) Phone calls



DELHI PUBLIC SCHOOL
SAIL TOWNSHIP, RANCHI
QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - English
Maximum Marks- 50

General Instructions:

Read the following instructions very carefully and strictly follow them:

- i. This question paper comprises 7 questions. All questions are compulsory.
 - ii. The question paper contains THREE sections -
 - Section - A: Reading Skills
 - Section - B: Grammar and Creative Writing Skills
 - Section - C: Literature Text Book
 - iii. Attempt questions based on specific instructions for each part.
-

SECTION A - READING SKILLS

(10 Marks)

1. Read the following passage carefully.

- (1) Technology plays an essential role in decision-making. It helps humans use information and knowledge properly to make suitable decisions for their organisation and innovations. Humans are producing large volumes of data, and to make it efficient, firms are adopting and using AI and kicking humans out of using the data. Humans think they are getting benefits and saving time by using AI in their decisions. But it is overcoming the human biological processors by decreasing cognition capabilities.
- (2) It is a fact that AI technologies and applications have many benefits. Still, AI technologies have severe negative consequences, and the limitation of their role in human decision-making is one of them. Slowly and gradually, AI limits and replaces the human role in decision-making. Human mental capabilities like intuitive analysis, critical thinking, and creative problem-solving are getting out of decision-making. Consequently, this will lead to their loss as there is a saying, use it or lose it. The speed of adaptation of AI technology is evident from the usage of AI in the strategic decision-making processes, which has increased from 10% to 80% in five years.
- (3) Walmart and Amazon have integrated AI into their recruitment process and make decisions about their product. And it's getting more into the top management decisions. Organisations use AI to analyse data and make complex decisions effectively to obtain a competitive advantage. Although AI is helping the decision-making process in various sectors, humans still have the last say in making any decision. It highlights the importance of humans' role in the process and the need to ensure that AI technology and humans work side by side. The hybrid model of the human-machine collaboration approach is believed to merge in the future.

- (4) The role of AI in decision-making in educational institutions is spreading daily. Universities are using AI in both academic and administrative activities. From students searching for program admission requirements to the issuance of degrees, they are now assisted by AI personalisation, tutoring, quick responses, 24/7 access to learning, answering questions, and task automation are the leading roles AI plays in the education sector.
- (5) In all the above roles, AI collects data, analysis it, and then responds, i.e, makes decisions. It is necessary to ask some simple but essential questions: Does AI make ethical choices? The answer is AI was found to be racist, and its choice might not be ethical. The second question is, does AI impact human decision - making capabilities? While using an intelligent system, applicants may submit their records directly to the designer and get approval for admission tests without human scrutiny. One reason is that the authorities will trust the system; the second may be the laziness created by task automation among the leaders.
- (6) Similarly, in keeping the records of students and analysing their data, again, the choice will be dependent on the decision made by the system, either due to trust or due to the laziness created by task automation among the authorities. Almost in every task, the teachers and other workers lose the power of cognition while making academic or administrative decisions. And their dependency increases daily on the AI systems installed in the institution. To summarise the review, in any educational organization, AI makes operations automatic and minimises staff participation in performing various tasks and making decisions. The teachers and other administrative staff are helpless in front of AI as the machines perform many of their functions. They are losing the skills of traditional tasks to be completed in an educational setting and consequently losing the reasoning capabilities of decision-making.

Answer the following questions, based on the above passage.

- (i) Artificial intelligence is ethically challenged. Comment. (1)
- (ii) What indicates that the usage of AI technology in strategic decision-making process has gained momentum rapidly in a couple of years? (1)
- (iii) Share evidence from the text in about 40 words, about how AI can support the field of education. (2)
- (iv) "AI makes operations automatic and minimises staff participation in performing various tasks and making decisions." (1)
Which word in the above line is the antonym for 'physical'?
- (a) Automatic
(b) Minimise
(c) Performing
(d) Decisions
- (v) State whether the following statement is **True or False** with reference to the given extract. (1)
With advanced AI, the role of a teacher becomes obsolete in a digitally connected classroom.
- (vi) What approach does the author suggest is the best way to manage AI's involvement in human decisions? (1)
- (a) AI should be given free reign in making decisions.
(b) Humans should follow the opposite of AI suggestions or decisions.
(c) AI should not be involved in the decision-making process at all.
(d) AI and humans should collaborate in decision-making.

- (vii) In what ways can AI both enhance and challenge human decision-making, and what role should human judgment play in AI - assisted decisions? (2)
- (viii) Complete the given analogy which highlights a key difference between AI and human decision-making: (1)
 AI relies heavily on data and algorithms, while humans incorporate _____ alongside data.

SECTION B - GRAMMAR & WRITING SKILLS
GRAMMAR

2. Complete ANY TEN of the twelve tasks as directed: (1x10=10)

- i. Complete the given sentence with the correct form of the verb.
 By the time we reach the station, the train _____ (leave).
- ii. Identify the error and supply correction for the following sentence.

After using the computer for a long time, looking into the distance for about five minutes relaxed the eyes.

Use the given format for your response.

Error	Correction

- iii. Complete the given sentence.
 The lady _____ (wait) for the bus since noon.
- iv. Fill in the blank with a suitable determiner.
 They said their goodbyes and then went _____ separate ways.
- v. Complete the given sentence.
 This time next year, I _____ (work) in education for over 13 years.
- vi. Complete the sentence with a suitable determiner.
 They completed _____ the project and the presentation on time, despite facing numerous challenges.
- vii. Fill in the blank by choosing the most appropriate option.
 _____ kindness can go a long way.
 (a) some (b) the little (c) a little (d) the
- viii. He has so _____ patience that it's hard to believe he's a politician.

4. Read the given extracts and answer the questions for ANY ONE of the two. (4 Marks)

A. But if it had to perish twice,
I think I know enough of hate
To say that for destruction ice
Is also great and would suffice.

i. Fill in the blank with one word.

When the speaker says that ice could also bring about the end of the world, he refers to _____ as means for destruction. (1)

ii. Which poetic device is used in the phrase 'perish twice'? (1)

iii. Comment on the poet's use of language in these lines. (40 words) (2)

OR

B. Eager to get away from crowded London he took a train to the village of Iping, where he booked two rooms at the local inn.

The arrival of a stranger at an inn in winter was in any case an unusual event. A stranger of such uncommon appearance set all tongues wagging. Mrs. Hall, the landlord's wife, made every effort to be friendly. But Griffin had no desire to talk, and told her, "My reason for coming to Iping is a desire for solitude. I do not wish to be disturbed in my work. Besides, an accident has affected my face".

i. State one inference about the 'uncommon appearance of the stranger' from the given extract. (1)

ii. Why was Griffin 'Eager to get away from crowded London'? Elaborate in about 40 words. (2)

iii. 'A stranger of such uncommon appearance set all tongues wagging'. The author means that _____ (1)

- (a) They talked in different languages about him.
- (b) People were impressed by him.
- (c) The villagers began to gossip about him.
- (d) They debated about his looks.

5. Answer ANY THREE of the following four questions in about 40-50 words. (3x3=9)

(i) Lencho did not bother exploring any other means to resolve his situation but just turned to God. Do you feel that his approach was justified? Why/ Why not?

(ii) Validate the given statement with reference to baby seagull's fear.
'Fear doesn't exist anywhere else other than one's mind.'

(iii) The poem 'Dust of snow', evokes a sense of black and white. Justify.

(iv) Write down the two different views about the end of the world.

ix. Identify the error and supply correction for this sentence.

She didn't believe that he had told the truth, but she forgive him anyway.

Use the given format for your response.

Error	Correction

x. Fill in the blank with a suitable determiner.

I can't go for shopping as _____ money is left with me.

xi. Complete the given sentence, by filling in the blank with the correct form of the verb.

Domestic dogs are descended from wolves, which man once _____ (take) in and tamed with shelter and food in return for them acting as guard dogs.

xii. Do you think Karl _____ (find) all the answers to the questions you gave him by now?

CREATIVE WRITING SKILLS

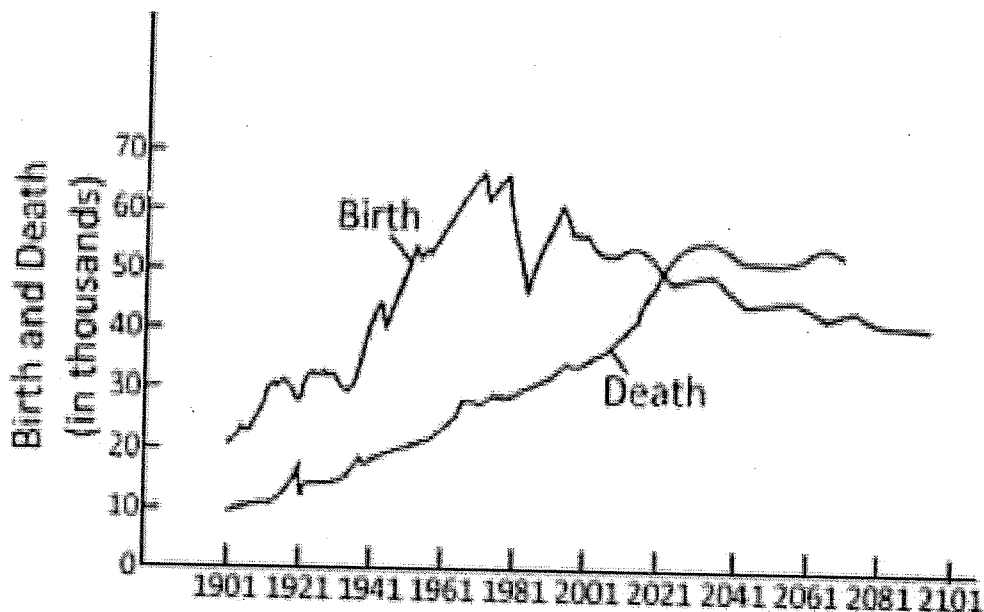
3. Attempt ANY ONE from (A) or (B) given below.

(5)

(A) You are Aryan/Aarushi, a concerned citizen and student of Class 10. The ongoing global tensions and violent conflicts between nations have raised fears of an impending World War III. As a responsible individual, you are deeply disturbed by the humanitarian consequences such a war would bring. Write a letter to the Editor of a national newspaper expressing your concern, urging world leaders to prioritize peace, diplomacy, and humanity over warfare. (100-120 words)

OR

(B) The given line graph provides information about changes in birth and death rate in New Zealand between 1901 and 2101. Write an analytical paragraph summarizing the information and make comparisons where relevant, in about 100-120 words.



6. Answer ANY TWO of the following three questions in about 40-50 words: (3x2=6)
- (i) 'Privilege often confuses with actual needs for perceived ones'. Evaluate this statement with reference to Mrs. Pumphrey, in the lesson 'A Triumph of Surgery'.
 - (ii) The greedy man showed fear, the rich man showed anger, the poor man showed acceptance.
With reference to the above line from 'The Thief's Story' explain why different people react differently when their money is stolen.
 - (iii) Scientists contribute to make the world a better place. Griffin is an antithesis to this statement. Justify.

7. Answer ANY ONE of the following two questions in about 100-120 words: (6)
- (i) Motivation plays an important role in taking risks in life and in succeeding. Do you agree? Discuss with reference to the pilot of the old Dakota and the young seagull.

OR

- (ii) Education, love and sympathy can transform even a thief. How is it true in the case of Hari Singh?
-



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

QUALIFYING EXAMINATION (2025-26)

Class - X
Time - 2 Hours

Subject - Social Science
Maximum Marks - 50

General Instructions:

1. The question paper comprises Six Sections - A, B, C, D, E and F. There are 20 questions in the Question paper. All questions are compulsory.
2. **Section A** - From questions 1 to 8 are MCQs of 1 mark each.
3. **Section B** - Question no. 9 and 10 are Very Short Answer Type Questions, carrying 2 marks each. Answer to each question should not exceed 40 words.
4. **Section C** - Question no. 11 to 15 are Short Answer Type Questions, carrying 3 marks each. Answer to each question should not exceed 60 words.
5. **Section D** - Question no. 16 to 18 are long answer type questions, carrying 5 marks each. Answer to each question should not exceed 120 words.
6. **Section-E** - Questions no 19 is case based question with three sub questions and are of 4 marks . Answer to this question should not exceed 100 words.
7. **Section F** - Question no. 20 is map skill based question, carrying 4 marks with two parts, 20 (a) from History (2 marks) and 20 (b) from Geography (2 marks).
8. There is no overall choice in the question paper. However, an internal choice has been provided in few questions. Only one of the choices in such questions have to be attempted.
9. Separate instructions are given with each section and question, wherever necessary.

SECTION A

MCQs (1X8=8)

1. Which among the following statements is correct in the context of the French Revolution? [1]
Statement I: France was a full fledged territorial state in 1788 under the rule of an absolute monarch.
Statement II: The political and constitutional changes that came in the wake of the French Revolution led to the transfer of sovereignty from the monarchy to a body of French citizens.
Statement III: The French Revolution proclaimed that it was the people who would henceforth constitute the nation and shape its destiny.
Statement IV: Giuseppe Mazzini and Lord Byron played very significant role in the French Revolution.
(A) Statement I and II are correct.
(B) Statement I, II and III are correct.
(C) Statement III is correct.
(D) Only Statement IV is correct.
2. Which of the following were the two Italian speaking provinces of the Habsburg Empire? [1]
(A) Constantinople and Lombardy
(B) Paris and Vienna
(C) Lombardy and Venetia
(D) Venetia and Paris

3. Arrange the following incidents in correct chronological sequences. [1]
- I. Ireland was forcibly incorporated into the United Kingdom.
 - II. The Act of Union between England and Scotland resulted in the formation of the United Kingdom of Great Britain.
 - III. The Frankfurt parliament was convened in the Church of St. Paul
 - IV. The Habsburg rulers granted more autonomy to the Hungarians.
- (A) I, II, III and IV
 (B) III, I, II and IV
 (C) II, I, III and IV
 (D) IV, III, II and I

4. Match the column I with column II and choose the correct option : [1]

Column-I	Column-II
A. Land put to non-agricultural uses	i. Left uncultivated for the past 1 to 5 agricultural years.
B. Current fallow land	ii. Left uncultivated for more than 5 agricultural years.
C. Other than current fallow land	iii. Left without cultivation for one or less than one agricultural year.
D. Culturable wasteland	iv. Buildings, roads, factories etc.

Options:

- (a) A-i, B-ii, C-iii, D-iv
 (b) A-iv, B-ii, C-i, D-iii
 (c) A-i, B-iii, C-ii, D-iv
 (d) A-iv, B-iii, C-i, D-ii
5. Learning from Belgium's experience, which of the following steps could have most likely avoided a civil war in Sri Lanka that ended in 2009? [1]
- (A) Making reservations in jobs for the Tamil speaking minority community.
 - (B) Dividing the entire country on the basis of linguistic lines to appease the citizens.
 - (C) Devising laws to accommodate the ethnic differences of citizens to ensure peace.
 - (D) Conducting a thorough census to strictly segregate the Indian Tamils from the Sri Lankan Tamils
6. Identify the correct feature of Unitary form of government from the following options. [1]
- (A) There are two or more levels of government.
 - (B) Different tiers of government govern the same citizens.
 - (C) Each tier of government has its own jurisdiction.
 - (D) The sub units are subordinate to the central government.

7. Which among the following cannot be purchased through money? Choose the correct option. [1]
- I. Full protection from infectious diseases.
 - II. A pollution-free atmosphere.
 - III. High quality education.
 - IV. A luxury home.

Codes:

- (A) I and III (B) III and IV (C) I and IV (D) I and II

8. There are two statements marked as Assertion (A) and Reason (R). Mark your answer as per the codes given below:

Assertion (A): Primary sector is the largest employer.

Reason (R): It includes all those occupations which are related to man's natural environment like farming, animal rearing, mining etc. [1]

Alternatives:

- (A) Both A and R are true and R is the correct explanation of A.
- (B) Both A and R are true but R is not the correct explanation of A.
- (C) A is true but R is false.
- (D) A is false, R is true.

SECTION B

VERY SHORT ANSWER TYPE QUESTIONS (2X2=4)

- 9. State two main effects of Chipko Movement in India. [2]
- 10. Describe the ways in which power can be shared among different social groups. [2]

SECTION C

SHORT ANSWER TYPE QUESTIONS (3X5=15)

- 11. "The decade of 1830 had brought great economic hardships in Europe." Support the statement with arguments. [3]
- 12. What are the steps taken by the government to conserve the wildlife in India? [3]
- 13. Why is power sharing good for democracy? Give any three suitable arguments. [3]
- 14. "The three sectors are interdependent on each other for smooth and proper functioning of the economy." -Do you agree with this statement. Explain with example. [3]
- 15. According to the Human Development Report of UNDP, 2018, the HDI ranking of countries are mentioned below.

Country	Rank
Srilanka	78
India	120
Pakistan	150
Nepal	149

- (i) From the above information which country is in a better position than India? [1]
- (ii) Why that country is more developed than India? [2]

OR

The following table shows the proportion of adults(aged 15 to 49 years)whose BMI is below normal(BMI <18.5 kg/m²) in India. It is based on a survey of various states for the year 2015-16. Look at the table and answer the following questions.

State	Male (%)	Female (%)
Keral	8.5	10
Karnataka	17	21
Madhya Pradesh	28	28
All states	20	23

(iii) Compare the nutritional level of people in Kerala and Madhya Pradesh. [1]

(iv) Can you guess why around one-fifth of people in the country are undernourished even though it is argued that there is enough food in the country? Describe in your own words [2]

SECTION D

LONG ANSWER TYPE QUESTIONS (5X3=15)

16. Examine the process of building 'Nation - State' in Germany after 1848. [5]
17. Name the soil which is formed due to intense leaching. Write any four characteristics of this soil. [1+4=5]
- OR**
- Describe any five ways to control land degradation. [5]
18. "The creation of Linguistic States was the first and a major test for democratic politics in our country". Justify the above statement. [5]

SECTION - E

CASE-BASED QUESTION (4X1=4)

19. Read the case study carefully and answer the following question:

Sustainable development is the concept of meeting the needs of the present without compromising the ability of future generations to meet their own needs. It recognizes the interconnectedness of social, economic, and environmental factors and aims to find a balance that promotes progress while ensuring the preservation of our planet.

Sustainable development is crucial for several reasons. First, it helps address pressing global challenges such as climate change, poverty, and inequality. We can reduce greenhouse gas emissions, alleviate poverty, and promote social justice by adopting sustainable practices. Second, sustainable development promotes long-term economic growth by encouraging innovation and efficiency. Third, it ensures the conservation of natural resources, protecting biodiversity and preserving ecosystems for future generations.

- (i) What is sustainable development? [1]
- (ii) Discuss the reasons for which sustainable development has become so crucial? [1]
- (iii) Mention any two steps through which we can reduce the environmental degradation. [2]

SECTION - F

MAP SKILL BASED QUESTION (2+2=4)

20. (a) Two places (I) and (II) have been marked on the given outline map of India. Identify them and write their correct names on the lines drawn near them.
- (I) The city where 'JallianwalaBagh' incidence took place
- (II) The place where Gandhiji violated the Salt Law. [2]
- (b) Three features A, B, C have been marked on the same political map of India. Identify them with the help of given information and their correct name of any **TWO** on the lines drawn near them. [2]
- A. Type of soil
- B. Type of soil
- C. Type of soil

