

ST. MICHAEL'S SR. SEC. SCHOOL
SAMPLE PAPER: CLASS-VIII
FINAL TERM EXAMINATION 2025-26

ENGLISH

Max. Marks: 60
Time: 2hrs. 30min.

(READING COMPREHENSION – 10 Marks)

Q1. Read the following passage carefully and answer the questions that follow:

The most characteristic feature of spiders is their ability to produce silken threads. Spiders normally have six finger-like silk glands, called 'spinnerets' located beneath their abdomen. To spin a web, the spider squeezes the silk out of its body through two small holes. The liquid silk is thicker than water and dries into a fine thread as soon as it comes in contact with air. Spider silk is much stronger than steel and resists breakage because of its elasticity. It can stretch up to 140 percent of its original length. The diameter of these silken threads is about 10,000 of an inch.

Spiders use this silk to make webs to trap their prey. The egg sacs of some spiders are also made of silk which protects the unborn spider. Sometimes the spider can also use its silk as a safety feature. A certain species of spider 'phidippus apacheanecs' trails a safety line of fine silk as it jumps. It uses the silk line to recover if it misses its target. The silk of 'Naphils Spider' is the strongest natural fiber known.

The spinning of webs is a remarkable example of instinctive behavior. A spider does not have to learn how to make a web, although spinning itself can be adopted to unique circumstances. For example 'orb' webs are circular in shape and take about an hour to build. Funnel spiders spin a net-like entrance to their homes, which helps to trap food. Similarly, trap door spiders dig their homes and spin a trap door out of their silk for trapping insects.

On the basis of your reading, answer these questions: (1x5 = 5 marks)

(a) Which of the following can be a suitable title for this passage?

- | | |
|---------------------------------|-----------------------|
| i) Spiders and their Web-Craft | iii) Silk and Spiders |
| ii) Different Species of Spider | iv) No Pain, No Gain |

(b) **Assertion:** Spiders use the silk that comes out of their bodies to make webs to trap their prey.

Reason: It's easy to trap the insects in webs than catching them other ways.

- i) Both the Assertion and the Reason are correct.
- ii) Both the Assertion and the Reasoning are incorrect.
- iii) The Assertion is True but the Reasoning is False.
- iv) The Assertion is False but the Reasoning is True.

(c) What qualities of spider's silk gives it more strength than steel? Mention any two.

(d) Spider Silk is a good example of elasticity and stretchability. State True/False.

(e) Find the antonym of the word 'free' from the passage.

Q2. Read the poem carefully and answer the questions given below:

The Ocean

The ocean waves crash against the shore,

A symphony of sound forevermore.

Its vastness stretches beyond what we see,

A world of wonders beneath the sea.
 With creatures dancing in coral reefs bright,
 And mysteries are hidden from our sight.
 The tides rise high and fall back low,
 An endless rhythm that ebbs and flows.
 The ocean whispers secrets old and wise,
 Reflecting sunsets painted in the skies.
 In its embrace, we find both calm and storm,
 A reminder of nature's powerful form.

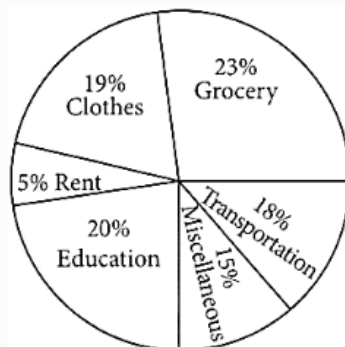
On the basis of reading the poem, attempt the following questions: (1x5=5 Marks)

- (i) The poem describes _____.
 - (a) the beauty of the oceans
 - (b) the vastness of the oceans
 - (c) the wonderful world beneath the oceans
 - (d) All of the above
- (ii) Which poetic device is used in the line 'the ocean whispers secrets old and wise'?
 - (a) Alliteration
 - (b) Simile
 - (c) Personification
 - (d) Imagery
- (iii) What mysteries lie beneath the sea?
- (iv) State whether the given statement is true or false.
 The rhyming scheme of the given poem is 'ababcc'.
- (v) The oceans beautifully reflect the _____ in the skies.

SECTION B (WRITING – 10 Marks)

Q3. Attempt ANY ONE of the two given questions in 100-120 words. (5 Marks)

The given pie chart represents the amount of money spent by a family on different items in a month. Write an analytical paragraph using the information given in the chart.



Or

Your family planned a day picnic to Sunder Nagar Nursery for you and your friends which you enjoyed thoroughly. The day was quite enchanting with lots of outdoor games and delicious food. At night you decided to record the events of the day and your feelings in your diary. Write the entry in 100-120 words. You are Nisha/Nishant.

Q4. Attempt ANY ONE of the two given questions in 100-120 words. (5 Marks)

You are Mahi/Mahesh a resident of 23/A Inderpuri New Delhi. You often witness your neighbours quarrelling over petty issues like car parking and children making noise while playing in the streets. You feel that people lack patience and mutual respect these days and decide to write about it to the editor of a national daily. Write the letter in 100-120 words.

Or

'Ravi opened the door and saw his childhood friend Ajay standing with a big suitcase...'
Complete the story in not more than 120 words. Give a suitable title to it.

SECTION C (GRAMMAR – 20 Marks)

Q5. Fill in the blanks with suitable Determiners: (1x2=2 Marks)

- (i) _____ painting was bought by you last year?
- (ii) _____ child has the right to get proper education.

Q6. Fill in the blanks with suitable Modals: (1x2=2 Marks)

- (i) I _____ understand French, please speak in English.
- (ii) Himanshu _____ consult a doctor soon.

Q7. Fill in the blanks with suitable Prepositions: (1x2=2 Marks)

- (i) The man chopped the wood _____ an axe.
- (ii) He decided to visit the place _____ 23rd next month.

Q8. Join the given pairs of sentences with the Conjunction given in the brackets. (1x2=2 Marks)

- (i) He finished his meal. He left for his office. (after)
- (ii) I will narrate you a story. You have to sit silently. (unless)

Q9. Identify if the underlined clauses are Noun, Adjective or Adverb. (1x2=2 Marks)

- (i) She bought a dress which was very expensive.
- (ii) He doesn't know where he has to go.

Q10. Identify the given sentences as Simple, Compound and Complex: (1x2=2 Marks)

- (i) Steve switched off the light. He went to bed. (Use present participle)
- (ii) He hired an instructor. He wanted to practice yoga. (Use infinitive)

Q11. There is one error in each sentence. Identify the error and provide the correction in proper format. (1x2=2 Marks)

- (i) They decide to work on the class project given by the teacher.
- (ii) The water in a river is very polluted.

Q12. Fill in the blanks using the correct form of the verbs given in the brackets: (1x3=3 Marks)

- (i) He _____ not _____ (play) golf on weekdays.
- (ii) The company _____ (plan) to open a new branch in Pune.
- (iii) Soon our country _____ (launch) its new satellite.

Q13. Change the given sentences into indirect speech. (1x3=3 Marks)

- (i) She said to her friend, "We should listen to our parents."
- (ii) He said, "Did you visit your parents last month?"
- (iii) She said to me, "I can meet you tomorrow for a quick meal."

SECTION D (LITERATURE – 20 Marks)

Q14. Read the given extract and answer the following questions: (3 Marks)

*Full control of your life with your brain,
See things that no longer remain;
Events can be changed,
Some results rearranged,
You can be a young child once again.*

- (i) Name the poem and the poet of the above lines. (1)
- (ii) If you could change one event in your life using the technique mentioned in the poem, what will it be? (1)
- (iii) Name the poetic device used in 'some results rearranged'. (1)

Or

*Who? Who can say who?
Who can unravel a riddle or two?
Melting the ice, unwinding the clocks,
Who'll take the lid off the mystery box?
Where do we come from and where do we go?
And who can say who is in charge of the show?*

- (i) Write the rhyming scheme of the given stanza. (1)
- (ii) Write any one question for which the poet is looking for an answer. (1)
- (iii) Who do you think is the 'in charge of the show'? (1)

Q15. Read the given extract and answer the following questions: (3 Marks)

A feeling of self-contempt gripped him as he condemned himself for having forsaken a dying man. After hours of mental conflict, he returned to nurse and feed him.

- (i) Who was gripped by the 'feeling of self-contempt'? (1)
- (ii) Who was the dying man and what was he suffering from? (1)
- (iii) What is the meaning of the word 'condemned'? (1)

Or

"In fact, as soon as mankind turned its energy to decreasing its needs instead of increasing its desires, the whole thing was easy. Chemical food came first..."

- (i) What were the benefits of using 'Chemical food'? (1)
- (ii) Give an antonym of 'easy'. (1)
- (iii) What should mankind turn its energy to? (1)

Q16. Give meanings: (1x2=2 Marks)

- (i) cessation
- (ii) eerie

Q17. Answer any two of the three given questions in 30-40 words: (2x2=4 Marks)

- (i) What dilemma did the speaker face in the poem 'The Road not Taken'?
- (ii) What does the poet mean by the words 'take the lid off the mystery box'?
- (iii) What is meant by 'the very first morn'?

Q18. Answer any three of the four given questions in 30-40 words: (2x3=6 Marks)

- (i) Why was Ashoka filled with remorse?
- (ii) Why did Rakesh not want Bharat to be his table-tennis partner?
- (iii) Why did the sight of the Broadway shock the narrator?

Q19. Answer ANY ONE of the given questions from HOTS prose: (2x1=2 Marks)

- (i) What brought about a transformation in Rakesh's attitude? How did he become Bharat's best friend?
- (ii) What do you think could have happened to Cyclops?

कक्षा- आठवीं प्रतिदर्श प्रश्नपत्र हिंदी

समय- 2घंटे 30मिनट
पूर्णांक-60

सामान्य निर्देश:

- 1) इस प्रश्नपत्र में चार खंड हैं- क , ख , ग , घ । प्रश्नों के उत्तर दिए गए निर्देशों का पालन करते हुए दीजिए।
- 2) सभी प्रश्न अनिवार्य हैं।

खंड-क (अपठित बोध)

प्रश्न-1 निम्नलिखित अपठित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर उचित विकल्प चुनकर दीजिये- (1x4=4)
कैलाश को मृणालिनी की झेंपी हुई सूरत देखकर मालूम हुआ कि इस वक्त उसका इनकार वास्तव में उसे बुरा लगा है। ज्यों ही प्रीतिभोज समाप्त हुआ और गाना शुरू हुआ, उसने मृणालिनी और अन्य मित्रों को साँपों के दड़बे के सामने ले जाकर महुअर बजाना शुरू किया। फिर एक-एक खाना खोलकर एक-एक साँप को निकालने लगा। वाह! क्या कमाल था। ऐसा जान पड़ता था कि ये कीड़े उसकी एक-एक बात, उसके मन का एक-एक भाव समझते हैं। किसी को उठा लिया, किसी को गरदन में डाल लिया, किसी को हाथ में लपेट लिया। मृणालिनी बार-बार मना करती कि इन्हें गरदन में न डालो, दूर ही से दिखा दो। बस जरा नचा दो। कैलाश की गरदन में साँपों को लिपटते देखकर उसकी जान निकली जाती थी। पछता रही थी कि मैंने व्यर्थ ही इनसे साँप दिखाने को कहा मगर कैलाश एक न सुनता था। प्रेमिका के सम्मुख अपने सर्प-कला-प्रदर्शन को ऐसा अवसर पाकर वह कब चूकता!

क) मृणालिनी के उदास होने का कारण क्या था?

- i) कैलाश द्वारा जन्मदिन मनाना
- ii) दोस्तों को न बुलाना
- iii) कैलाश द्वारा साँपों को दिखाने से इंकार करना
- iv) कैलाश द्वारा नाचने से मना करना

ख) कैलाश ने मृणालिनी की उदासी दूर करने का प्रयास कब किया?

- i) कैलाश के नाचने के बाद
- ii) सबके जाने के बाद
- iii) साँप दिखने के बाद
- iv) ज्यों ही प्रीतिभोज समाप्त होने के बाद गाना शुरू हुआ

ग) कैलाश किस अवसर से नहीं चूकना चाहता था ?

- i) साँपों के प्रदर्शन से
- ii) नाचने से
- iii) जन्मदिन मनाने से
- iv) गाना गाने से

घ) 'इनकार' शब्द का अर्थ छाँटिए-

- i) मना करना
- ii) मान लेना
- iii) बता देना
- iv) भाग जाना

खंड-ख (व्यावहारिक व्याकरण)

प्रश्न-2 वर्ण-विच्छेद किसे कहते हैं ? उदाहरण सहित समझाइए।

1

प्रश्न-3 निर्देशानुसार उत्तर लिखिए-

1x5=5

क) एकार्थी शब्द लिखिए- भुजा , युवक

ख) दो अनेकार्थी शब्द लिखिए- कनक

ग) समानार्थी शब्द किसे कहते हैं ? सोदाहरण समझाइए।

घ) रिक्त स्थानों की पूर्ति उचित विलोम शब्द से कीजिए-

i) राजू आस्तिक है जबकि उसका प्रिय मित्र _____।

ii) अनावश्यक कामों को छोड़कर _____ कामों की ओर ध्यान दो।

ङ) निम्न वाक्यांशों के लिए एक शब्द लिखिए-

अपना ही स्वार्थ चाहने वाला , जो अनुकरण के योग्य हो

प्रश्न-4 क) निम्न शब्दों में से उपसर्ग और मूल शब्द अलग करके लिखिए-

1+1=2

दुस्साहस , अत्यधिक

ख) निम्न शब्दों में से प्रत्यय अलग कीजिए-

धार्मिक , सजावट

प्रश्न-5 क) निम्न समस्तपदों का विग्रह कीजिए व समास का नाम भी बताइए-

2+2=4

आजीवन , क्रोधाग्नि

ख) निम्नलिखित शब्दों में संधि करके संधि का नाम लिखिए-

सप्त+ऋषि , रेखा+अंकित

प्रश्न-6 निम्नलिखित वाक्यों में पदबंध को रेखांकित करके उनके नाम लिखिए-

2

क) बच्चा रोता-रोता माँ के पास पहुँचा।

ख) चार ताकतवर मज़दूर भारी सामान को ले गए।

प्रश्न-7 निम्न मुहावरों के अर्थ लिखकर वाक्य बनाइए-

2

एक आँख न भाना , खटाई में पड़ना

प्रश्न-8 निर्देशानुसार उत्तर लिखिए-

1+1=2

क) निम्न वाक्यों में प्रयुक्त संबंधबोधक छाँटकर लिखिए-

i) बाग के सामने विद्यालय है।

ii) यात्री पेड़ के नीचे बैठा है।

ख) रिक्त स्थान की पूर्ति उचित विस्मयादिबोधक शब्द से कीजिए-

i) _____! मैं भी गा सकती।

प्रश्न-9 निम्न वाक्यों को शुद्ध करके लिखिए-

2

क) भ्रष्टाचार एक गहरी समस्या है।

ख) सारे स्कूल के छात्र परिश्रमी हैं।

खंड-ग (पाठ्य-पुस्तक)

प्रश्न-10 निम्न पठित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-

1x3=3

दुर्गरक्षिणी रत्नावली निर्भय होकर अपने दुर्ग में सुरक्षित बैठी शत्रुओं के दाँत खट्टे कर रही थी। उसकी अधीनता में पुराने विश्वस्त राजपूत वीर थे, जो मृत्यु और जीवन को खेल समझते थे। वह अपनी सहेलियों सहित किसी बुर्ज़

पर चढ़ जाती और यवन सेना पर सनसनाते तीरों की वर्षा करती। वह कहती, "मैं स्त्री हूँ पर अबला नहीं। मुझमें मर्दों जैसा साहस और हिम्मत है।"

- क) उपर्युक्त गद्यांश के पाठ का नाम लिखिए।
- ख) विश्वस्त राजपूत वीरों की क्या विशेषता थी ?
- ग) अपनी वीरता को बताते हुए राजकुमारी क्या कहती थी ?

प्रश्न-11 निम्न पठित पद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-

1x3=3

गुन के गाहक सहस नर, बिनु गुन लहे न कोय।
जैसे कागा कोकिला, सबद सुनै सब कोय।।
सबद सुनै सब कोय, कोकिला सबै सुहावन।
दोऊ को इकरंग, काग सब भये अपावन।।

- क) उपर्युक्त पद्यांश के कवि का नाम लिखिए।
- ख) कवि ने सहस्त्रों लोगों को किसका ग्राहक बताया है ?
- ग) 'सुहावन' शब्द का क्या अर्थ है ?

प्रश्न-12 निम्न में से किन्हीं चार शब्दों के अर्थ लिखिए-

2

अभिनन्दन , भ्रष्ट , उत्कृष्ट , धूर्त , सबद , दुर्लभ

प्रश्न-13 निम्न प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर संक्षेप में लिखिए-

1x2=2

- क) राजाजी स्टेशन मास्टर से क्या सहायता चाहते थे ?
- ख) मलिक काफूर ने द्वार रक्षक को घूस क्यों दी ?
- ग) प्रेम का प्रभाव किस-किस पर पड़ता है ?

प्रश्न-14 निम्न प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर विस्तार से लिखिए-

2x3=6

- क) सूर्य रथ की क्या विशेषताएँ हैं ?
- ख) वैज्ञानिकों ने लोगों को किस बात के लिए आगाह किया था ?
- ग) किस घटना के कारण बुढ़िया सूखे काठ सी हो गई ?
- घ) सोने की थैली लेकर द्वाररक्षक ने मलिक काफूर को किस चक्रव्यूह में फँसा दिया ?

प्रश्न-15 निम्न पंक्ति का आशय स्पष्ट कीजिए-

3

पाहुन निसिदिन चारि,रहत सबही के दौलत

प्रश्न-16 निर्देशानुसार उत्तर लिखिए-

2+2+1=5

- क) निम्नलिखित शब्दों के बहुवचन रूप लिखिए-
परदा , झोंपड़ी
- ख) निम्नलिखित शब्दों की वर्तनी शुद्ध करके लिखिए-
बुड़िया , साहयता
- ग) निम्न शब्द का तत्सम रूप लिखिए-
जतन

खंड-घ (रचनात्मक लेखन)

प्रश्न-17 निम्न में से किसी एक विषय पर दिए गए संकेत बिंदुओं के आधार पर अनुच्छेद लिखिए-

3

- क) जब ऑन-लाइन खरीदारी की
संकेत बिंदु - क्यों , कब , क्या मँगवाया , संतुष्टि
- ख) मेरी पहली रेल यात्रा

- संकेत बिंदु - कब , क्यों , प्लेटफार्म , अनुभव
 ग) प्रातः काल का सौंदर्य
 संकेत बिंदु - सबसे निराला , विविध दृश्य , परिभ्रमण , स्वास्थ्य
 प्रश्न-18 दादा जी द्वारा जन्म दिवस पर पर सबसे अनमोल उपहार देने के लिए धन्यवाद पत्र लिखिए। 3
 अथवा
 अपने विद्यालय की प्रधानाचार्या को भूल की क्षमा याचना व जुमाने की माफ़ी के लिए प्रार्थना पत्र लिखिए।
 प्रश्न-19 पुस्तक विक्रेता व छात्रा के बीच संवाद लिखिए। 3
 अथवा
 आपके विद्यालय में बाल मेले का आयोजन किया जा रहा है , इस संबंध में सूचना लिखिए।
 प्रश्न-20 किसी दर्दनाशक तेल के लिए विज्ञापन तैयार कीजिए। 3

SOCIAL SCIENCE

MAXIMUM MARKS: 60

TIME: 2 Hours 30 Minutes

INSTRUCTIONS:

1. This question paper carries 60 marks.
2. All questions are compulsory.
3. Marks are indicated against each question.
4. There are total 7 questions with required sub-questions. Attempt all questions as directed.
5. Q.6 (LAQ) has an option to choose from.
6. Q.7 is a map question carrying 3 marks.

Paste/ tie the map within the main answer sheet.

Q.1 MULTIPLE CHOICE QUESTIONS: (1X7=7M)

1. There are more than _____ identified plant species all over the world.
 a. 400 b. 4000 c. 40,000 d. 400,000 e. 400,000
2. Sex ratio is defined as the number of females per _____ males.
 a. 10 b. 1000 c. 10,000 d. 100
3. The Moplah Rebellion broke out in –
 a. Bihar b. Bengal c. Mangalore d. Malabar
4. This great reformer contributed towards passing the Widow Remarriage Act in 1856. Identify him.



- a. Ishwar Chandra Vidyasagar b. Jyotiba Phule c. E.V.R. Naicker d. Sri Narayan Guru
5. _____ was the first speaker of the Lok Sabha.

- a. Mahatma Gandhi b. Motilal Nehru c. G.V. Mavalankar d. Jawaharlal Nehru
6. The minorities comprise _____% of India's population according to 2011 census.
 a. 15 b. 17 c. 20.2 d. 40.2
7. The Sarva Shiksha Abhiyan was started in the year _____.
 a. 1995 b. 1998 c. 1991 d. 2001

Q.2 FILL IN THE BLANKS: (1X6 =6M)

1. The Planning Commission, which has now been replaced by _____, was constituted on 15th March 1950.
2. The _____ keeps equilibrium between fundamental rights and social justice.
3. The _____ of India is the leader of the majority party in Lok Sabha.
4. _____ was called the father of Indian Renaissance and the prophet of Indian nationalism.
5. In the year _____, Queen Victoria took the title of Empress of India.
6. Condor, the largest flying land bird is found in _____.

Q.3 VERY SHORT ANSWER QUESTIONS: (2X3 = 6M)

1. Why was Sakchi chosen to set up the TISCO steel plant? [Mention two reasons] (1x2=2M)
2. Which type of education system did Mahatma Gandhi want the Indians to adopt? (2M)
3. What do you understand by Judicial Review? (2M)

Q.4 SHORT ANSWER QUESTIONS: (3X3 = 9M)

1. Which economic factors influence agriculture?
2. What was the significance of Non-cooperation Movement? Mention three points.
3. Explain public and private industries. Give an example each.

Q.5 SOURCE BASED QUESTIONS: (4X3 = 12M)

**5.1 Read the following extracts and answer the following questions based on them –
 Land Resources**

Land covers about 30% of the total area of the earth's surface. 90% of the world population lives only on 30% of the land area, remaining 70% of the land is either sparsely populated or uninhabited. Plains and river valleys are densely populated because they are suitable for agriculture. Steep slopes and water-logged areas are sparsely populated. The uneven distribution of population in different parts of the world is mainly due to topography, climate, resource availability and economic development of the region.

Keeping in view the nature of land and needs of the community, land use can be planned properly to provide best results. Careless use of land may create serious problems like land degradation, landslides, soil erosion, desertification etc. Human encroachment has resulted in large scale destruction of forest cover and arable land. This is creating a danger for quality of land. Land degradation can be prevented by afforestation, land reclamation, regulated use of chemical pesticides and fertilizers and by checking overgrazing.

Read the above passage and answer the following questions:

1. Only _____% of the land area is inhabited by the world population. (1M)
2. How does careless use of land cause serious problems? Mention two consequences. (1+1=2M)
3. How has human interference endangered the quality of land? (.5x2=1M)

5.2 Read the following extracts and answer the following questions based on them –

Colonisation in India

When the industrial revolution started in Europe, many states started looking for raw materials and markets in Asia and Africa. England succeeded in controlling trade with India and established the East India Company in 1600. This company was supported by the British government.

The Company was granted a charter by Queen Elizabeth –I, giving it the exclusive right to trade with the east. The first factory was established at Surat in 1613. In 1615, Sir Thomas Roe got permission from the Mughal emperor Jahangir to open more factories at Agra, Ahmedabad and Broach. Their most important settlement on the southern coast was Madras where they built a fortified factory called Fort St. George. This was the first proprietary holding acquired by the company on the Indian soil. Gradually the company expanded its trading network. It had also succeeded in eliminating the other rival European powers from India. In course of time the Danes, the Portuguese and the Dutch were eliminated from the Indian trade, and only the British and the French remained.

Read the above passage and answer the following questions:

1. The first factory of East India Company was established in _____. (1M)
2. Name the fortified factory of the company on the southern coast of India. (1M)
3. Else than British and French, name two more rival powers from Europe who had trade network with India. (1+1=2M)

5.3 Read the following extracts and answer the following questions based on them –

The Constitution of India

The Constitution of India is the supreme law of India. It was adopted by the Constituent Assembly of India on 26 November 1949 and came into force from 26 January 1950. The Constitution of India has 448 articles, in 25 parts, 12 schedules and 100 amendments (August, 2015).

Some provisions of our constitution can be amended by the Parliament with a simple majority while amendment of most other provisions of the constitution requires a special majority in both houses of the parliament.

The Constitution provides for a federal form of government. In a federation, there are two governments – at the Central level and at the State level. The President is the constitutional head of our country. The Prime Minister heads the government at the centre and the Parliament makes laws for the country. At the State level, the governor is the nominal head while the Chief minister heads the government. The Vidhan Sabha or the State Legislature makes laws for the state. There are three different lists under which powers and functions of the centre and the state governments have been defined: (i) Union List, (ii) State List and (iii) Concurrent List.

Read the above passage and answer the following questions:

1. The Constitution of India has _____ articles, in _____ parts. (.5x2=1M)
2. The federal form of our government has governments at two levels, name them. (1x2=2M)
3. Who makes the laws at the state level? (1M)

Q.6 LONG ANSWER QUESTIONS: (5X3=15M)

1. Explain the locational advantages of establishing steel plants in Pittsburgh. (5M)

OR

How has Bengaluru emerged as a major IT hub of India? Elaborate. (5M)

2. Write a note on the Morley-Minto reforms (1909). (5M)
3. Enlist the constitutional provisions that have been laid down for the upliftment of women. (5M)

Q.7 MAP SKILLS: (2+3=5M)

- 7.1 On an outline political map of India locate and label the following: (any 2) (1x2=2M)

- a. Delhi; b. Lucknow; c. Jhansi

7.2 On an outline political map of India locate and label the following: (any 3) (1x3=3M)

- a. State with highest population density
b. State with highest literacy rate
c. Least populous state of India
d. State with lowest sex ratio

COMPUTER

Time - 1 Hrs

Total marks : 30

General Instructions:

- All questions are compulsory and must be attempted in sequential order.
- Section A (Q1–4): 4 MCQs of 1 mark each (Total: 4 marks)
- Section B (Q5–8): 4 True/False questions of 1 mark each (Total: 4 marks)
- Section C (Q9–12): 4 Fill in the blanks of 1 mark each (Total: 4 marks)
- Section D (Q13–16): 4 Definition-based questions of 1 mark each (Total: 4 marks)
- Section E (Q17–21): 5 Short answer questions of 2 marks each (Total: 10 marks)
- Section F (Q22): 1 Long answer / Application-based question of 4 marks
- No overwriting or cutting is permitted.
- Answers must be written clearly and neatly so that they are easily readable and understandable.

SECTION A (Q1–4) - Multiple Choice Questions (4 × 1 = 4 marks)

Q1. Which MySQL clause is used to filter records based on a condition?

- (a) ORDER BY
(b) GROUP BY
(c) WHERE
(d) DISTINCT

Q2. Which Python statement is used to skip the current iteration of a loop?

- (a) break
(b) stop
(c) continue
(d) pass

Q3. Which of the following operations removes the last element from a list?

- (a) delete()
(b) pop()
(c) remove()
(d) clear()

Q4. Which technology allows machines to imitate human thinking and decision-making?

- (a) Networking
(b) Data Science
(c) Artificial Intelligence
(d) Cyber Ethics

SECTION B (Q5–8) - True or False (4 × 1 = 4 marks)

Q5. The UPDATE command is used to modify existing records in a MySQL table.

Q6. Tkinter widgets are used to create graphical components like buttons and labels.

Q7. Lists in Python cannot store duplicate values.

Q8. Data Science uses data to discover patterns and trends for decision-making.

SECTION C (Q9–12) - Fill in the Blanks (4 × 1 = 4 marks)

Q9. The MySQL command used to remove a table permanently from the database is _____.

Q10. The loop that is mostly used when the number of iterations is not fixed is the _____ loop.

Q11. The function used to add an element at a specific position in a list is _____.

Q12. _____ refers to the safe, responsible, and ethical use of digital technology.

SECTION D (Q13–16) - Define the following (4 × 1 = 4 marks)

Q13. Define a Database.

Q14. What is an Entry Controlled Loop?

Q15. Define Computer Network.

Q16. Define Artificial Intelligence.

SECTION E (Q17–21) - Short Answer Questions (5 × 2 = 10 marks)

Q17. Write a Python program using a while loop to print all odd numbers between 1 and 20.

Q18. Write any two differences between a tuple and a list in Python.

Q19. Write any two uses of Tkinter in Python programming.

Q20. Explain any two real-life applications of Data Science.

Q21. Write a MySQL command to create a table Student with the following fields:

- RollNo
- Name
- Class
- Marks

SECTION F (Q22) - Long Answer Question (1 × 4 = 4 marks)

Q22. Explain the future possibilities of Artificial Intelligence in the following fields:

- Military
- Research
- Healthcare
- Entertainment

SANSKRIT

TIME – 1 HOUR 30 MIN

MM-40

प्रश्न-1 निम्न प्रश्नों के उत्तर एक पद में दीजिए-

4

क) कः अस्माकं राष्ट्रियः पक्षी ?

ख) यस्यास्ति वित्तं स नरः कः ?

ग) खात् उच्चतरं किंस्वित् ?

घ) एकदा कः सर्वमेधयज्ञं अकरोत् ?

प्रश्न-2 निम्न प्रश्नों के उत्तर पूर्ण वाक्य में दीजिए-

4

क) कः गुणराशिनाशी ?

ख) सभायाः समापने किम् आवश्यकं अस्ति ?

ग) कः साक्षात् पशुः ?

घ) नदे किम् आयातम् ?

प्रश्न-3 निम्न वाक्यों का हिंदी अनुवाद कीजिए-

3

- क) साहसे श्रीः प्रतिवसति।
 ख) भवान् खलु जलमध्ये विहरतु।
 ग) कमलं अस्माकं राष्ट्रियः पुष्पं।
- प्रश्न-4 निम्न में से किसी एक श्लोक का हिंदी अर्थ लिखिए- 3
 विपदि धैर्यमथाभ्युदये क्षमा
 सदसि वाक्पटुता युधि विक्रमः।
 यशसि चाभिरुचिः व्यसनं श्रुतौ
 प्रकृतिसिद्धमिदं हि महात्मनाम्
 अथवा
 विद्या प्रवसतो मित्रं भार्या मित्रं गृहे सतः।
 आतुरस्य भिषङ् मित्रं दानं मित्रं मरिष्यतः।।
- प्रश्न-5 निम्न शब्दों के अर्थ लिखिए- 3
 प्रतिवसति, शूरः, तृणं
- प्रश्न-6 रिक्त स्थानों की पूर्ति कीजिए- 3
 क) नाहं _____ वा विद्यालयं प्रेषितः।
 ख) प्रकृतिसिद्धमिदं हि _____।
 ग) अस्माकं राष्ट्रध्वजः _____ वर्णैः संयुतः।
- प्रश्न-7 किन्हीं तीन अंगों के नाम संस्कृत में लिखिए। 3
- प्रश्न-8 निम्न संख्याओं को संस्कृत में लिखिए। 3
 38, 50, 56
- प्रश्न-9 निर्देशानुसार शब्द रूप लिखिए- 3
 क) पितृ शब्द - चतुर्थी विभक्ति -तीनों वचन
 ख) अस्मद् शब्द - द्वितीया विभक्ति -तीनों वचन
- प्रश्न-10 निर्देशानुसार धातु रूप लिखिए- 3
 क) पठ् धातु - लट् लकार -उत्तम पुरुष - तीनों वचन
 ख) कृ धातु - लोट् लकार - मध्यम पुरुष - तीनों वचन
- प्रश्न-11 निम्न पदों की विभक्ति और वचन बताइए - 2
 दुःखानि, पशुषु
- प्रश्न-12 निम्न के पुरुष और वचन बताइए - 2
 सन्ति, विहरतु
- प्रश्न-13 निम्न में मेलन कार्य कीजिए - 2
 तृतीयवररूपेण अध्यात्मज्ञानं
 अल्पे वयसि आत्मज्ञानं
 साधुः संसारहेतुः
 कामः सर्वभूतहितः
- प्रश्न-14 उचित पद को मम/न मम के दो स्तम्भ बनाकर उचित स्तंभ में लिखिए- 2
 लोभः, धर्मज्ञः, माता, निर्दयः

G.K.

TIME: 1 HOUR

MAXIMUM MARKS: 25

Section A. Choose the suitable option (10 X 1/2 = 5 marks)

1. What is the Big Bang Theory?
 - a) A theory about how the universe began expanding
 - b) A theory about black holes
 - c) A theory about planets only
 - d) A theory about stars

2. Dark Matter and Dark Energy together make up about what percentage of the universe?
 - a) 5%
 - b) 25%
 - c) 95%
 - d) 50%

3. Which value encourages helping those in need?
 - a) justice
 - b) compassion
 - c) Materialism
 - d) competition

4. What is critical thinking?
 - a) Analysing facts to form a judgment
 - b) Ignoring evidence
 - c) Agreeing with popular opinion
 - d) Accepting information without questions

5. One barrier to critical thinking is:
 - a) Biases
 - b) Asking questions
 - c) Gathering evidence
 - d) Reflecting on thoughts

6. Which principle involves being truthful in all dealing ?
 - a) integrity
 - b) honesty
 - c) fairness
 - d) Responsibility

7. Entrepreneurship helps in economic growth by:
 - a) Creating jobs and new products
 - b) Watching TV
 - c) Playing sports
 - d) Eating food

8. Which form of media combines both audio and visual elements?
 - a) podcast
 - b) print media
 - c) Television
 - d) Radio

9. NASA's Perseverance Rover landed on:
 - a) Mars

- b) Moon
- c) Sun
- d) Earth

10. The Milky Way is an example of a
- a) Star
 - b) Planet
 - c) Galaxy
 - d) Constellation

Section B: State whether True or False (5 X1=5 marks)

1. The Big Bang Theory explains that the universe began about 13.8 billion years ago. _____
2. Dark matter and dark energy together make up about 5% of the universe's total mass-energy Content. _____
3. Critical thinking involves accepting all information at face value. _____
4. Black holes can be directly seen, but their effects on nearby objects can be observed. _____
5. Ethical decision-making does not consider the impact on society as a whole. _____

Section C: Match the following (1 X 5=5 Marks)

Column A

Column B

- | | |
|----------------------------------|---|
| 1. Dark Energy () | a. NASA's mission |
| 2. Critical Thinking Barrier () | b. Spiral (like Milky Way) |
| 3. Ethical Principle () | c. Force responsible for universe expansion |
| 4. Type of Galaxy () | d. Honesty / Integrity / Fairness |
| 5. Space Mission () | e. Biases |

Section D: Answer the Following Question (5 Marks)

1. Write down the key components that make up critical thinking and explain them? (2 marks)
2. Write down the common challenges faced by entrepreneurs and explain them? (2 marks)
3. What is Ethical Decision making? (1 marks)

Section: E Fill in the blanks with the appropriate word(s). (1 X5=5 Marks)

1. The universe is mostly made up of _____ matter and _____ energy (about 95%).
2. The Hubble Space Telescope and James Webb Telescope are examples of _____ telescopes used for observing distant objects.
3. NASA's Artemis Program aims to return humans to the _____ by 2025, with a long-term goal of sustainable presence.
4. Chandrayaan-3 successfully landed near the lunar _____ pole.
5. Ethical decisions foster _____ between individuals and society.

TIME-1HOUR

SUB-MORAL SCIENCE

M.M.-25

Q-1 ANSWER THE FOLLOWING QUESTIONS.

3x5=15

- A) Write any three safety rules?
- B) Write one good quality and one bad quality you have. What will you do to improve your bad quality?
- C) What is cyberbullying? Write two examples.
- D) How will you help your friend when he/she is in trouble?
- E) What is Bechdel-Wallace Test? Explain.

Q-2 FILL IN THE BLANKS-**1x5=5**

- A) Think of responsibility as a _____ is not a burden.
- B) 14th April is observed as _____ to pay homage to brave firefighters.
- C) Choosing is not always _____ in life.
- D) The historical coastal town of Mahabalipuram is on the coromandel coast of the _____.
- E) _____ home is for children in conflict with law.

Q-3 WRITE TRUE OR FALSE-**1x5=5**

- A) We should do our best to preserve Monuments.
- B) A two-way mirror is a piece of glass coated with substance called a microphone.
- C) We should always keep unsafe secrets.
- D) An ordinary mirror produces a dull and flat sound.
- E) JJA defines a child as a person below 16 years.

SCIENCE

Max. Marks: 60

Time: 2 ½ Hours

General Instructions

1. The question paper comprises of Five Sections.
2. Section A- Questions 1 to 24 (MCQ, fill ups, assertion reasoning) carry one mark each.
3. Section B- Questions 25 to 27(Case Study) carry four marks each.
4. Section C- Questions 28 to 32(Short Answers) carry two marks each (any four questions to be attempted)
5. Section D- Questions 33 to 34(Short Answers) carry three marks each.
6. Section E- Questions 36 to 37(Long Answers) carry five marks each (any two to be attempted)

Section A

Choose the correct option (1x17)

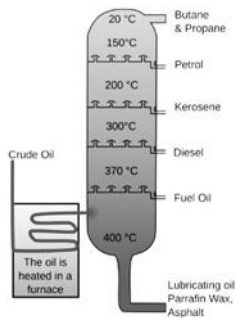
1. Which of the following is a winter crop ?
 - a) Paddy
 - b) Potato
 - c) Groundnut
 - d) Maize
2. What role do leguminous plants play in nitrogen cycle ?
 - a) They decompose nitrates in the soil.
 - b) They convert atmospheric nitrogen into nitrates.
 - c) They convert nitrogenous waste into nitrogen compounds.
 - d) They help to pass the protein to plants.
3. An exhaustible natural resource is
 - a) Water
 - b) Air
 - c) Sunlight
 - d) Coal
4. In which female reproductive organ does the embryo get embedded ?
 - a) Oviduct
 - b) Ovaries
 - c) Uterus
 - d) Vagina

5. Which secondary sexual characteristic develops in a female during puberty by the respective hormones ?
- Testosterone - formation of ovaries.
 - Oestrogen - maturation of ova.
 - Adrenalin - development of milk secreting glands in ovaries.
 - Thyroxine - release of milk from the breast.
6. A camel can walk / run in deserts more easily as compared to horse, donkey etc., because its
- Feet are smaller
 - Weight is lesser
 - Feet are broader
 - Body is heavier
7. When anything is released from a height, it falls over the ground because of
- Electrostatic force of earth
 - Gravitational push of earth
 - Magnetic force of earth
 - Gravitational pull of earth
8. Which of the following statement is not correct about sound ?
- Sound is a form of energy.
 - Sound is produced by a vibrating body.
 - Sound needs a medium to propagate.
 - Speed of sound in a solid is less than the speed in a liquid.
9. The process of depositing a thin layer of any superior metal over an object of a cheaper metal with the help of electricity is called
- Electrorefining
 - Electrometallurgy
 - Electroplating
 - Electrolysis
10. What happens when current is passed in the solution of copper sulphate having iron nail as cathode and copper rod as anode ?
- Copper forms a layer on iron the nail.
 - Iron gets deposited on the copper rod.
 - Iron rod completely dissolves in the solution.
 - Sulphur forms a layer on the walls of the beaker.
11. Which type of mirror is used to obtain a virtual, erect, laterally inverted image, equal in size of the object?
- Plane mirror
 - Convex mirror
 - Concave mirror
 - All of these
12. A ray of light falls on a mirror at 45 with the mirror surface. What is the angle of incidence?
- 30°
 - 90°
 - 45°
 - 135°
13. A farmer noticed that crops grown continuously on the same field were becoming weak. He decided to grow pulses in the next season. Pulses helped improve soil fertility naturally. Pulses improve soil fertility because they:
- Need more water
 - Contain more starch
 - Have nitrogen-fixing bacteria in their roots

d) Prevent soil erosion

14. The process shown in the diagram is called:

- a) Condensation
- b) Evaporation
- c) Refining
- d) Combustion



15. Adolescence is also marked by emotional and mental changes. Adolescents may feel confused, anxious, or self-conscious. A supportive environment and healthy lifestyle help in coping with these changes.

Which of the following is a healthy way to manage emotional changes during adolescence?

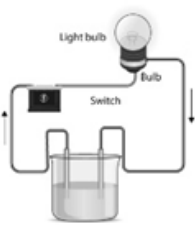
- a) Isolating oneself
- b) Ignoring feelings
- c) Sharing feelings with trusted adults
- d) Skipping meals

16. Animals such as frogs undergo distinct stages in their life cycle. The young one looks very different from the adult. This process of change in body form is known as metamorphosis.

Which of the following animals shows metamorphosis?

- a) Human
- b) Cow
- c) Frog
- d) Dog

17. Observe the figure showing a bulb connected in series with a liquid-filled tester.



- a) A good conductor
- b) A poor conductor
- c) An insulator
- d) A solid conductor

Fill in the blanks: - (1x5)

18. Shifting of tiny plants from a nursery to the main field is called _____.

19. Most commonly used chemical food preservative is _____.

20. _____ is used as a reducing agent in metallurgical processes .

21. _____ is used for measuring the weight of an object.

22. Moon shines at night due to the _____ of sunlight falling on it.

For questions 23 and 24, two statements are given – one is labelled Assertion (A) and the other is labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c), (d) as given below:

- a) Both Assertion and Reason are true, and Reason is the correct explanation of the Assertion.
 - b) Both Assertion and Reason are true, but Reason is not the correct explanation of the Assertion.
 - c) Assertion is true but Reason is false.
 - d) Assertion is false but Reason is true.
23. Assertion (A) : Microorganisms may be unicellular or multicellular or exist as cell cluster.
Reason (R) : Microorganisms can survive even in the mouth of a volcano.
24. Assertion (A): When sperms come in contact with an egg, one of the sperms may fuse with the egg.
Reason (R) : If the egg is not fertilised it is expelled from the uterus through menstruation.

SECTION B

Read the case study and answer the questions that follow: (4×3)

25. Animals reproduce to continue their species. Some animals reproduce asexually, while others reproduce sexually. Hydra reproduces by budding, whereas human beings reproduce sexually involving male and female gametes.

Answer the following questions:

- a) Which type of reproduction occurs in Hydra?
- b) Name the male reproductive cell in humans.
- c) Name the female reproductive cell in humans.
- d) Which type of reproduction involves fusion of gametes?

26. Music is a pleasant sound, whereas noise is unpleasant and unwanted. Excessive noise can cause health problems.

Answer the following questions:

- a) What type of sound is called music?
- b) What type of sound is called noise?
- c) Write one harmful effect of noise.
- d) Name one source of noise pollution.

27. Light travels in a straight line and gets reflected when it strikes a smooth surface like a plane mirror. The laws of reflection are followed during reflection.

Answer the following questions:

- a) What happens to light when it strikes a plane mirror?
- b) Name the angle between the incident ray and the normal.
- c) What is the relationship between the angle of incidence and angle of reflection?
- d) What type of image is formed by a plane mirror?

SECTION C

Write short answers: (Attempt any four) (2×4)

- 28. What is nitrogen fixation? Name any one microorganism that fixes atmospheric nitrogen.
- 29. What are natural resources? Classify them into two types with one example each.
- 30. Name any two secondary sexual characters seen in boys.
- 31. What is amplitude of a sound wave? What does it determine?
- 32. Why do we see objects when light falls on them?

SECTION D

Write short answers: (Attempt any two) (3×2)

- 33. a) What are hormones?
- b) Name the male sex hormone.
- c) Name the female sex hormone.

34. a) Why do camels have broad feet?
b) Why do sharp knives cut better than blunt knives?
c) What conclusion can be drawn about pressure from these examples?
35. a) What is electroplating?
b) Name one metal used for electroplating.
c) Write one use of electroplating.

SECTION E

Write long answers: (Attempt any two) (5×2)

36. a) What is agriculture? Name the two main cropping seasons in India. (2 marks)
b) Explain any two agricultural practices involved in crop production. (2 marks)
c) Name one cash crop grown in India. (1 mark)
37. a) Define sexual reproduction. Name the male and female gametes. (2 marks)
b) What is internal fertilisation? Give one example. (1 mark)
c) Draw a neat labelled diagram of a human ovum (egg). (2 marks)
38. a) Why is distilled water a poor conductor of electricity? (2 marks)
b) What is added to distilled water to make it conducting? (1 mark)
c) Draw a neat labelled diagram of a simple electric circuit showing electrolysis. (2 marks)

GENERAL INSTRUCTIONS:

1. This question paper consists of five sections.
 2. Section A (**Multiple choice questions**) consists of Q. No. 1 to 12 carrying 1 mark each.
 3. Section B (**Competency based questions**) consists of Q. No. 13 to 18 carrying 2 marks each.
 4. Section C (**Short answer questions**) consists of Q. No. 19 to 22 carrying 3 marks each.
 5. Section D (**Long answer questions**) consists of Q. No. 23 to 25 carrying 4 marks each.
 6. Section E (**Case study questions**) consists of Q. No. 26 to 28 carrying 4 marks each. Each case study-based question has three subparts: two 1 mark each and 1 question of 2 marks.
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SECTION A

Q1. Which of the following rational number is greatest?

$$\frac{-10}{11}, \frac{-9}{44}, \frac{-23}{33}, \frac{-11}{22}.$$

- (a) $\frac{-10}{11}$ (b) $\frac{-9}{44}$ (c) $\frac{-23}{33}$ (d) $\frac{-11}{22}$

Q2. The value of $2 + 2(2^0)$ is:

- (a) 2 (b) 4 (c) 6 (d) 1

Q3. $1 + 3 + 5 + 7 \dots \dots \dots + 49$ should be equal to:

- (a) 49^2 (b) 24^2 (c) 25^2 (d) None of these

Q4. $3^3 + 3^3 + 3^3 =$

- (a) 3^4 (b) 9^3 (c) 3^9 (d) 27^3

Q5. Factors of $s^2 - 4$ are:

- (a) $(s - 2)(s - 2)$ (b) $(s - 2)(s + 2)$ (c) $(s - 4)(s - 4)$ (d) $(s + 2)(s + 2)$

Q6. Highest common factor of $13x^2$, $26xy$ and $39xy^2$ is:

- (a) x^2 (b) $13xy$ (c) $12x$ (d) 1

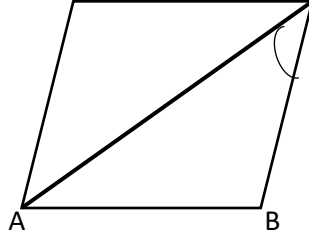
Q7. Example of equation in one variable is:

- (a) $3x - 4y = 0$ (b) $8x^2 - 7y = 0$ (c) $2(x - 3) + 3x = 0$ (d) None of these

Q8. The rate at which the simple interest on ₹3650 will be ₹1533 after 3 years is:

- (a) 15% (b) 20% (c) 12% (d) 14%

- (a) $\angle BAC$
 (b) $\angle DCA$
 (c) $\angle ADC$



Q20. What happens to the volume of the cube when its edge is (a) Tripled (b) One-third?

Q21. The sum of radius of the base and height of a solid cylinder is 37m. If the total surface area of the cylinder is 1628m^2 . Find its volume.

Q22. Find the compound interest on ₹10,000 for 12 months at 10% per annum, if the interest is compounded (a) Annually, (b) Half – yearly and (c) Quarterly.

Q23. A company manufacturing plasma T.V. borrowed ₹10 crores from a finance company for 10 years at 18% interest compounded annually. What amount they will have to pay back to the finance company after 10 years? [Given $(1.18)^{10} = 5.2338$].

Q24. (a) Find the value of m for which $5^m \div 5^{-3} = 5^5$ (2+1)

(b) Evaluate: (i) $\left\{ \left(\frac{1}{3}\right)^{-1} - \left(\frac{1}{4}\right)^{-1} \right\}$

SECTION D

Q23. (a) In a football match $\frac{5}{7}$ of the spectators were in a covered place and 6000 were open. Find the total number of spectators.

(b) Verify: $\frac{1}{3} \times \left(\frac{-7}{6} + 0\right) = \frac{1}{3} \times 0 + \frac{1}{3} \times \left(\frac{-7}{6}\right)$

Q24. Find the square root of the following using long division method:

- (a) 27.6676
 (b) 82264900

Q25. Attempt either subpart A or B:

- A. Find the product of:
 (i) $15a^3$, $-0.1ab^3$ and $0.6a^2b$
 (ii) $(p^2-q^2)(p^4+q^4)$
 (iii) $3p \times (2p^2-pq+4q^2)$
 (iv) $5x(3x + 4)$

OR

- B. (a) Add the polynomials:
 (i) $9pq$, $-5pq$, $3pq$, $-pq$

(ii) $6az - 2by + 3cz$, $6by - 11ax - cz$ and $10cz - 2ax - 3by$

(b) Subtract the following polynomials:

(i) $-6a + b + 3c + 8$ from $a - 2b - 5c - 8$

(ii) $a^3 - 3a^2 - 5a + 4$ from $3a^2 - 4b^2 - 5c^2 - 6$

SECTION E

Q26. Rohan appeared for a test of 200 marks. He scored 70% marks in the test. In the next test, he improved his performance and scored 80% marks of the same total. (1+1+2)

(i) What percentage of marks did Rohan score in the first test?

- (a) 60% (b) 65% (c) 70% (d) 75%

(ii) How many marks did Rohan score in the second test?

- (a) 140 (b) 150 (c) 160 (d) 170

(iii) By how many marks did Rohan improve in the second test compared to the first test?

- (a) 10 (b) 20 (c) 30 (d) 40

Q27. A community sports ground is designed in the shape of a parallelogram ABCD. For proper fencing and maintenance, the planner notes that $AB = 30$ m and $BC = 20$ m. The perpendicular distance (height) between sides AB and CD is 16 m. A pathway is constructed along diagonal AC, which divides the parallelogram into two triangles. The planner also observes that the opposite sides of the ground are equal and parallel, and the diagonals bisect each other at their point of intersection. (1+1+2)

(i) Which sides of parallelogram ABCD are parallel to each other?

- (a) AB and BC (b) BC and CD (c) AB and CD (d) AC and BD

(ii) Which of the following is a property of the diagonals of a parallelogram?

- (a) Diagonals are equal in length (b) Diagonals intersect at right angles
(c) Diagonals bisect each other (d) Diagonals are parallel

(iii) What is the area of the sports ground?

- (a) 320 m^2 (b) 420 m^2 (c) 480 m^2 (d) 500 m^2

Q28. A city plans to renovate a rectangular park. The park has a length of 50 m and a breadth of 30 m. The authorities decide to construct a rectangular flower bed inside the park measuring 10 m \times 8 m. The remaining area will be covered with grass for walking and playing. To estimate the cost of grass, the total grassy area needs to be calculated. (1+1+2)

(i) What is the area of the rectangular park?

- (a) 1200 m² (b) 1500 m² (c) 1800 m² (d) 2000 m²

(ii) What is the area of the flower bed?

- (a) 60 m² (b) 70 m² (c) 80 m² (d) 100 m²

(iii) What is the area of the park that will be covered with grass?

- (a) 1320 m² (b) 1400 m² (c) 1420 m² (d) 1500 m²
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