

VIDYA DEVI JINDAL SCHOOL, HISAR
APTITUDE ASSESSMENT FOR ADMISSION
SESSION 2026-27
CLASS: IX
SAMPLE PAPER

SUBJECT: ENGLISH

Time: 40 Minutes

Max. mark – 20

Instructions:

This question paper has 4 questions.

Attempt all the questions as per the instructions.

1. Read the passage given below and answer the following questions:

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(1) Forest fire is a major cause of injury and loss to forests. With the population increase, the frequency and subsequent damage due to forest fires is increasing day by day. The impact of the fire is diverse on the forest ecosystem. Besides directly damaging the forest trees, the fire also adversely affects forest regeneration, microclimate, soil erosion and wildlife etc.

(2) Very heavy fire, frequent forest fire and occasional fire damage is noticed only over 0.84 percent, 0.14 percent, 5.16 percent and 43.06 percent of the forest areas, respectively. Only 6.17 percent of the Indian forests are subjected to severe fire damage annually. In absolute terms, out of around 63 million hectares of forests, an area of around 3.73 million hectares can be presumed to be affected by fires annually.

(3) In most of the cases, the forest fire causes retrogression of forest vegetation. Forest fire is one of the major degenerating factors, which extensively damages the growing stock and its generations and makes the area vulnerable to erosion. It has wide-ranging adverse ecological, economic and social implications.

(4) Forest fires in India are generally ground fires. About 35 million hectares of forest area is affected by fires annually. About 95 percent of the forest fires are caused by human beings, especially to promote new flush of grasses, collection of minor forest produce or to prepare land for shifting cultivation. While statistical data on fire loss in India are very weak, it is estimated that the proportion of the forest areas prone to forest fire annually ranges from 33% to over 90% in different states.

Answer the following questions based on the above passage.

i. Which of the following is not true as per the passage?

- a. Most deforestation occurs due to forest fires.
- b. The frequency of forest fires has increased rapidly.
- c. The ecosystem is heavily damaged due to forest fires.
- d. None of the above

ii. Select the option that is true for the Assertion and Reason given below.

Assertion 6.07% annually Indian forests are subjected to severe forest fires.

Reason Only 5% of forest fires are caused by human beings.

(a) Both the Assertion and the Reason are true, and the Reason is the correct explanation of the Assertion.

(b) Both the Assertion and the Reason are true, but the Reason is not the correct explanation of the Assertion.

(c) The Assertion is true, but the Reason is false.

(d) The Assertion is false, but the Reason is true.

iii. What is the consequence of the increase of population in India?

iv. What does a forest fire affect in an unfavourable way?

(v) Read the prompt and fill in the blank with the correct option from the given bracket.

Forest fire (indirectly/directly) damages the trees in the forest.

vi. Complete the sentence suitably.

The word 'regeneration' in Paragraph 1 is the opposite of

vii. How much is the estimated forest cover in India?

a. The estimated forest cover in India is around 63 million hectare

b. The estimated forest cover in India is around 3.73 million hectares.

c. The estimated forest cover in India is around 33 million hectares.

2. Write a story in 150-200 words with the help of the following outline. Give it a suitable title also. 5

Bunya was a foolish boy, who was an attention seeker. He was a woodcutter and would go deep into the jungle to cut trees. One day he wanted to do an act of mischief. He shouted at the top of his voice, "There's a tiger, tiger, there's a tiger"

3. Choose the correct option:

0.5x10=5

i. The chairman called _____ (that/some) individuals to his room.

ii. Do you remember ____ (whom/whose) sweater this is?

iii. The Sultanate Era in India is represented by _____ (an/the) Qutub Minar.

iv. My friend (can/must) play the guitar very well.

v. (Could/should) I borrow your book?

vi. You (must/can) not talk during the movie.

vii. Choose the correct sentence.

- a. When I woke up, he has already eaten breakfast.
- b. When I woke up, he had already eaten breakfast.
- c. When I had woken up, he had already ate breakfast.
- d. When I had woken up, he has already ate breakfast.

viii. I _____ the medicine as prescribed by the doctor for a week now.

- a. takes
- b. have been taking
- c. would have taken
- d. have had been taking

ix. You and I _____ the obligations.

- a. am fulfilled
- b. has been fulfilling
- c. have fulfilled
- d. has fulfilled

x. Choose the sentence with the future perfect tense.

- a. They shall have arrived by then.
- b. They shall be arriving by then.
- c. They shall arrive by then.
- d. They shall have been arriving by then.

4. Rearrange the words in a meaningful sentence:

1x3=3

a. elephant/land animal/present/largest/is/day/the/of/the

b. mild/peace loving/is/animal/it/a/and

c. more easily/that is why/domesticated/be/can/and/it/trained

General Instructions:

1. All the questions are compulsory.
2. This question paper consists of 10 questions with 2 marks each.

1. Solve the equation:
 $3x + 3 - 4x = 5x + 3 - 9$
2. The marks obtained by 4 students in a test are: 10, 14, 13, and 16. Find the mean.
3. Find the square root of 1800 using prime factorization.
4. Find the cube root of 27000.
5. Simplify:
 $(4x + 3)(3x^3 - 2x - 5)$
6. A cylindrical tank has a radius of 2.8 m and a height of 7 m. Find its volume. (Use $\pi = 22/7$).
7. Multiply and simplify:
 - a) $(3x + 4)(3x - 4)$
 - b) $(3x - 2)^2$
8. Find the value of :-
 - a) $5^6 \div 5^4$
 - b) $7^{-10} \times 7^{-5}$
9. The width of a rectangle is 8 cm less than its length. If the perimeter of the rectangle is 60 cm. Find the length and breadth of the rectangle.
10. If $ab = 6$ and $a - b = 7$ then find the value of $(a^2 + b^2)$.

विषय- हिंदी

1- निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए-

समाज का विकास केवल भौतिक संसाधनों से नहीं, बल्कि नैतिक मूल्यों से भी होता है। यदि समाज में ईमानदारी, सहानुभूति, और सहयोग की भावना हो, तो वहाँ शांति और प्रगति संभव है। परंतु आजकल लोग केवल अपने हितों की चिंता करते हैं। स्वार्थ की प्रवृत्ति सामाजिक समरसता को नष्ट कर रही है। विद्यालयों में यदि नैतिक शिक्षा पर ध्यान दिया जाए, तो बचपन से ही अच्छे संस्कार दिए जा सकते हैं। एक सभ्य समाज की नींव अच्छे नागरिकों से बनती है और अच्छे नागरिक वही होते हैं जिनमें नैतिक मूल्य होते हैं।

i- समाज की नींव किनसे बनती है?

ii- लेखक के अनुसार शांति और प्रगति के लिए क्या आवश्यक है?

iii- स्वार्थ की प्रवृत्ति क्या नष्ट कर रही है?

iv- नैतिक शिक्षा देने के लिए उपयुक्त स्थान कौन-सा है?

- 2- निर्देशानुसार उपसर्ग-प्रत्यय के पूछे गए प्रश्नों के उत्तर दीजिए- 4
- i- 'निरंतर' शब्द में कौन-सा उपसर्ग है।
 - ii- 'भविष्यवाणी' शब्द में प्रयुक्त प्रत्यय लिखिए।
 - iii- 'अविकसित' शब्द में से उपसर्ग और मूल शब्द अलग-अलग कर लिखिए।
 - iv- 'साहित्यिक' शब्द में प्रयुक्त प्रत्यय लिखिए।
- 3- अर्थ के आधार पर पूछे गए प्रश्नों के उत्तर दीजिए। 4
- i- वह बहुत अच्छा गाता है। (वाक्य का भेद लिखिए)
 - ii- मैंने पाठ याद कर लिया है। (प्रश्नवाचक वाक्य में परिवर्तित कीजिए)
 - iii- विस्मयवाचक वाक्य का एक उदाहरण लिखिए।
 - iv- तुम कहते तो मैं ज़रूर चलता। (संकेत वाचक वाक्य में परिवर्तित कीजिए)
- 4- दो छात्रों के बीच खेल और पढ़ाई में संतुलन विषय पर हुए संवाद को 60 से 80 शब्दों में अपने शब्दों में लिखिए। 4
- 5- निम्नलिखित विषय पर 60 से 80 शब्दों में एक अनुच्छेद लिखिए। 4
- "स्वस्थ जीवनशैली का महत्व"

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SUBJECT: SCIENCE

Time : 40 Minutes

Max. Marks: 20

Instructions:

- All questions are compulsory.
- Answer neatly and to the point.
- Marks are indicated against each question.

Section A – Multiple Choice Questions (6 × 1 = 6 marks)

1. Which of the following is not a component of air?
 - a) Oxygen
 - b) Nitrogen
 - c) Carbon dioxide
 - d) Mercury
2. Which disease is caused by the deficiency of Vitamin C?
 - a) Rickets
 - b) Night blindness
 - c) Scurvy
 - d) Goitre

3. Lightning is caused due to:
 - a) Magnetic force
 - b) Static electric discharge
 - c) Frictional force
 - d) Gravitational pull
4. Which separation technique is used to separate salt from water?
 - a) Filtration
 - b) Evaporation
 - c) Distillation
 - d) Sedimentation
5. Which mirror is used in vehicle headlights?
 - a) Concave mirror
 - b) Convex mirror
 - c) Plane mirror
 - d) None of these

Section B – (3 × 2 = 6 marks)

6. Define microorganism. Name two diseases caused by microorganisms.
7. State two advantages of friction.
8. Write two differences between solution and suspension.

Section C – (3 × 3 = 9 marks)

9. Explain the working of a barometer.
10. What are constellations? Explain their importance along with two examples..
11. Write the differences between conductors and insulators with examples.

SUBJECT: SOCIAL SCIENCE

Maximum Marks: 20

Time: 30 minutes

1. The capital of Shivaji's kingdom was _____ 1
2. What is the hardest natural substance on Earth? 1

OR

What do we call resources that cannot be replaced easily?

3. What is the full form of EVM? 1
 - i) Electronic Verification Machine ii) Election Voter Machine
 - iii) Electronic Voting Machine iv) Election Verification Method

Electronic Voting Machine

4. Which factor of production includes human effort? 1

i) Enterprise ii) labour iii) land iv) Capital

5. Which Mughal emperor fought against Shivaji? 1

- i) Aurangzeb ii) Akbar
- iii) Shah Jahan iv) Jehangir

6. Wages are the payment for which factor of production? 1

- i) land ii) labour iii) Capital iv) Enterprise

7. Who among the following can vote in Indian elections? 1

- i) A 17-year-old college student
- ii) A 25-year-old Indian citizen
- iii) A foreign tourist
- iv) A government servant only

8. Match the column: 1

Column –A	Column--B
(a) Jijabai	i) Title of Maratha rulers
(b) Afzal Khan	ii) Mother of Shivaji
(c) Tanaji Malusare	iii) Killed by Shivaji in self-defense
(d) Chhatrapati	iv) Brave Maratha warrior of Sinhadgad

9. What were the main features of the Ashta Pradhan system? 3

OR

Describe the military system of Shivaji.

10. Explain the importance of land as a factor of production. 3

OR

Why are elections important in a democracy?

11. Write any three ways to conserve natural resources. 3

12. What is the role of the entrepreneur in production? 3
