

VIDYA DEVI JINDAL SCHOOL, HISAR
Aptitude Assessment for Admission (2027 - 28)
Class: VII (Sample Paper)



Name of the Student: _____

Father's Name: _____

Mother's Name: _____

Registration No. : _____

Observer's Signature _____

General Instructions:

- i) First five minutes should be spent in reading the question paper carefully.
- ii) This question paper has three sections, Section A, B and C comprising 4 questions.
- iii) Write answers in neat and legible handwriting. Copy questions only where necessary.

SECTION –A (READING)**Q1. Read the following passage carefully and answer the questions that follow:****{7x1=7}**

- 1) The invention of the computer has revolutionized human life in ways that were unimaginable just a few decades ago. Computers have transformed how we work, learn, communicate, and entertain ourselves in the modern digital age. From massive room-sized machines in the 1940s, computers have evolved into sleek, portable devices that fit in our pockets and backpacks. The internet has connected billions of people worldwide, enabling instant communication and access to vast amounts of information at our fingertips. Students today can attend virtual classes, access online libraries, and collaborate with peers from different countries through educational platforms. Businesses use computers for everything from managing finances and inventory to creating marketing campaigns and conducting video conferences.
 - 2) Medical professionals rely on sophisticated computer systems for diagnosing diseases, performing complex surgeries, and maintaining patient records. Artificial intelligence and machine learning are pushing the boundaries of what computers can accomplish, from self-driving cars to voice assistants. However, this digital revolution also brings challenges such as cyber security threats, privacy concerns, and the digital divide between those who have access to technology and those who don't. As we move forward, it's essential to use technology responsibly while ensuring that its benefits reach everyone in society equally and fairly.
- i) **How have computers evolved since the 1940s?**
 - a) They have become larger
 - b) They have become portable
 - c) They work slower
 - d) They are more expensive
 - ii) **What enables instant communication worldwide?**
 - a) Telephone systems
 - b) Postal services
 - c) The internet
 - d) Radio waves
 - iii) **Which of the following is NOT mentioned as a computer application in medicine?**
 - a) Diagnosing diseases
 - b) Performing surgeries
 - c) Maintaining patient records
 - d) Manufacturing medicines
 - iv) **What is mentioned as a challenge of the digital revolution?**
 - a) Improved communication
 - b) Better education
 - c) Cyber security threats
 - d) Faster transportation

v) **How do computers help students in modern education? (20 to 30 words)**

vi) **What does "digital divide" refer to in the passage? (20 to 30 words)**

vii) **Find a synonym for: "Immense" from paragraph 1- _____**

SECTION – B (WRITING)

Q2. Write a paragraph in about 80-100 words on any ONE of the following topics:

{5}

- i) The Impact of Social Media on Young People
- ii) My Dream Career and Why I Want to Pursue It
- iii) The Importance of Cleanliness in Our Surroundings

[illegible]

SECTION – C (GRAMMAR)

Q3. Mixed bag questions based on grammar skills:

{10x½=5}

i) **Fill in the blank with the correct form of the verb in brackets:**

Listen! Someone is _____ (knock) at the door.

ii) **Fill in the blank with the correct option:**

I am not familiar _____ this locality.

(a) with (b) to (c) about

iii) **Identify the part of speech for the underlined word:**

It is a beautiful painting.

iv) **Fill in the blank with a suitable conjunction:**

You should wait here _____ I return.

v) **Fill in the blank with the correct form of the pronoun:**

The children decorated the room _____.

vi) **Convert the following sentence into the Simple Past Tense:**

Riya writes a letter to her grandmother.

vii) **Fill in the blank with a suitable article (a, an, the):**

My father is _____ engineer in a big company.

viii) **Fill in the blank with the correct option:**

This is the _____ story in the book.

(a) interesting (b) more interesting (c) most interesting

ix) **Identify the type of Noun for the underlined word:**

The team of players arrived at the stadium.

x) **Fill in the blank with a suitable adverb formed from the word in brackets:**

She explained the concept _____ (clear).

Q4. Rearrange the jumbled words and phrases to form meaningful sentences:

{3x1=3}

i) knowledge / books / source / are / valuable / of / a

ii) pollution / reduce / should / we / air / our / city / in

iii) friendship / life / happiness / true / brings / to

Subject: Mathematics

Time : 40 Minutes

Max. Marks: 20

Instructions: Attempt all the questions

Choose the correct option:

1. Which of the following is a multiple of 12? (1)
a. 20 b. 24
c. 30 d. 40
2. Which of these numbers is prime? (1)
a. 39 b. 41
c. 49 d. 51
3. Which number is divisible by 6? (1)
a. 120 b. 125
c. 135 d. 145
4. Write the greatest 4-digit number using the digits 7, 0, 4, 9 (without repeating any digit). (1)
a. 9740 b. 9704
c. 9470 d. 9074
5. The smaller angle between the hands of a clock at 4 o'clock is: (1)
a. 30° b. 60°
c. 90° d. 120°
6. Find the sum of the first 10 natural numbers. (2)

7. Draw and label an angle of 75° . (2)

8. Find the LCM of 24 and 36 using the prime factorization (2)

9. A rectangle has length 25 cm and breadth 15 cm. Find:
- a. Perimeter (1)
 - b. Area (1)

10. The favorite sports of 15 students are:

Cricket – 6, Football – 4, Hockey – 3, Badminton – 2.

- a. Which is the most popular sport? (1)
- b. Represent this data using a pictograph (1 symbol  = 1 student). (2)

11. A shopkeeper has 96 pencils. He packs them equally into boxes of 12 pencils each.

- a. How many boxes will he need? (2)
- b. If he sells each box for ₹60, what is his total earning? (2)

Subject: SCIENCE

Time : 40 Minutes

Max. Marks: 20

Instructions:

All questions are compulsory

Section A: MCQs ($1 \times 5 = 5$ marks)

1. Animals that can live both on land and in water are called:
a) Amphibians b) Reptiles c) Aquatic animals d) Mammals
2. Which mineral is essential for strong bones and teeth?
a) Calcium b) Iron c) Iodine d) Phosphorus
3. Like poles of two magnets:
a) Attract each other b) Repel each other c) Both
attract and repel d) Do not affect each other
4. The motion of a swing is an example of:
a) Linear motion b) Circular motion c)
Oscillatory motion d) Periodic motion only
5. 37°C is equal to how much in Fahrenheit?
a) 96.8°F b) 97.6°F c) 98.6°F d) 100.0°F

Section B ($2 \times 3 = 6$ marks)

6. Differentiate between herbs and trees with one example each.

7. Explain why it is important to include roughage in our diet.

8. A kilometre stone shows “Delhi 80 km” at one place and later “Delhi 60 km.” What does this tell us about the bus in which Padma was travelling?

Section C ($3 \times 3 = 9$ marks)

9. Take the following animals: Cow, Fish, Pigeon, Frog, and Whale.
- Group them into terrestrial, aquatic, and amphibious.
 - Mention their main mode of Breathing.
10. Reshma bought three identical-looking iron bars, two of which were magnets and one was just an iron rod.
- Suggest an experiment to identify which bars are magnets.
 - Explain the observation.
 - Why is repulsion considered a sure test for magnetism?

11. Explain the setup of the four pots (A, B, C, D) for testing seed germination. Which pot(s) will show germination and why?

1: अपठित गद्यांश पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए:

4

पक्षी हमारे पर्यावरण का महत्वपूर्ण हिस्सा हैं। वे न केवल सुंदरता बढ़ाते हैं, बल्कि प्राकृतिक संतुलन भी बनाए रखते हैं। कई पक्षी कीटों को खाते हैं, जिससे फसलें सुरक्षित रहती हैं। लेकिन आजकल प्रदूषण, पेड़ों की कटाई और शिकार के कारण उनकी संख्या कम हो रही है। हमें पक्षियों की सुरक्षा के लिए प्रयास करना चाहिए और उनके लिए सुरक्षित वातावरण बनाना चाहिए।

(i) पक्षियों का क्या महत्व है?

(ii) पक्षियों की संख्या क्यों घट रही है?

(iii) 'प्राकृतिक संतुलन' का अर्थ स्पष्ट कीजिए।

(iv) इस गद्यांश के लिए एक उपयुक्त शीर्षक लिखिए।

2: निर्देशानुसार उत्तर दीजिए-

(i) व्याकरण की परिभाषा दीजिए।

2

(ii) राजभाषा किसे कहते हैं? 'हिंदी' को राजभाषा का दर्जा कब दिया गया?

2

3: निर्देशानुसार उत्तर दीजिए-

(i) योगरूढ़ शब्द क्या होते हैं? उदाहरण सहित समझाइए।

2

(ii) निम्नलिखित शब्दों अर्थ के आधार पर भेद लिखिए-

2

(a) राजपुत्र (b) जलज (c) पानी (d) लोटा

4: निम्नलिखित वाक्यों में से विशेषण पहचानिए और उसका भेद लिखिए:

4

(i) नीली किताब टेबल पर रखी है।

(ii) सात मेहमान हमारे घर आए।

(iii) मुझे गर्म दूध पीना है।

(iv) ज्ञानी व्यक्ति सदा आदरणीय होता है।

5: निम्नलिखित विषयों में से किसी एक पर लगभग 60-70 शब्दों में अनुच्छेद लिखिए।

4

(i) मोबाइल फोन का उपयोग

(ii) यातायात के नियम

(iii) मेरा पसंदीदा खेल

[illegible]