

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



Name of the Student: _____

Father's Name: _____

Mother's Name: _____

Registration No. : _____

Observer's Signature _____

Instructions:

- Read the instructions carefully.
- Work neatly and do not overwrite.

1. Read the passage given below and answer the questions that follow:

One of the biggest challenges today is **plastic pollution**. Every year, millions of plastic bottles, bags, and wrappers are thrown into rivers, oceans, and landfills. Since plastic does not decompose easily, it remains in the environment for hundreds of years. This creates serious problems for marine animals, birds, and even human beings. To solve this issue, many countries have banned single-use plastic items like straws and carry bags. People are encouraged to use cloth or jute bags while shopping and to recycle plastic products wherever possible. Some companies have also started producing biodegradable packaging, which is safer for the environment. Individuals can make a big difference by making small changes in their daily habits. Refusing unnecessary plastic, reusing containers, and spreading awareness are simple but important steps to reduce pollution. Plastic pollution is not just an environmental issue but also a social responsibility. If everyone contributes, the earth can become cleaner and healthier for future generations.

A. Choose the correct option to answer the following questions:**($\frac{1}{2} \times 4 = 2$)**

- What is the main problem discussed in the passage?
 - Water shortage
 - Plastic pollution
 - Air pollution
 - Noise pollution
- Which of the following is an alternative to plastic bags?
 - Cloth or jute bags
 - Paper plates
 - Metal straws
 - None of these
- What kind of plastic items have many countries banned?
 - Durable plastic products
 - Single-use plastics
 - Recycled plastics
 - All plastic products
- According to the passage, who must take responsibility for solving the issue of plastic pollution?
 - Only governments
 - Only companies
 - Every individual
 - Only environmentalists
- Find the word in the passage which means “something that does not break down naturally.”

- Why is plastic pollution dangerous for the environment?

vii. Mention two steps that individuals can take to reduce plastic waste.

Q.2. Rearrange the following jumbled words to make meaningful sentences: (1 × 3 = 3)

i. quickly / homework / finished / my / I / evening / the / in

ii. playing / garden / were / the / in / children / happily

iii. technology / important / is / very / modern / communication / for

Q.3. Do as directed:

i. Identify the parts of speech of the following sentence: (2)

Meera dances gracefully on the stage during the function.

ii. Change the tenses of the following sentences as stated in the brackets:

a. They are writing an essay. (simple past tense)

[illegible]

[illegible]

**Instructions: (i) All questions are compulsory.
(ii) Each question carries 2 marks.**

1. Write the following numbers in words:

(i) 70,53,138

(ii) 3, 00,600

2. Write the following number names in place value notation:

(i) One crore one lakh one thousand ten.

(ii) One billion one million one thousand one.

3. Find the quick way to calculate: $125 \times 40 \times 8 \times 25$

4. Using only reasoning of how terms change their values, fill the blanks to make the expressions on either side of the equality (=) equal.

(i) $423 + \underline{\hspace{2cm}} = 419 + \underline{\hspace{2cm}}$

(ii) $207 - 68 = 210 - \underline{\hspace{2cm}}$

5. During the day time a snail climbs 3 cm up a post, and during the night while asleep, accidentally slips down by 2 cm. The post is 10 cm high, and a delicious treat is on its top. In how many days will the snail get the treat?
6. Find the difference of $25\frac{9}{10}$ and $6\frac{4}{10}\frac{7}{100}$.
7. Mahi purchases 0.25 kg of beans, 0.3 kg of carrots, 0.5 kg of potatoes, 0.2 kg of capsicums and 0.05 kg of ginger. Find the total weight of the items she bought.

8. Add the expressions: $-6f + 19 - 8s$ and $-23 + 13f + 12s$.

9. Construct a triangle for the following measurement where the angle is included between the sides:

3 cm, 120° , 8 cm

10. Maria bought 8 m of lace to decorate the bags. She used $\frac{1}{4}$ m for each bag and finished the lace.
How many bags did she decorate?

Subject: SCIENCE

Time : 40 Minutes

Max. Marks: 20

Instructions:

- (1) *There are 11 questions in all.*
- (2) *All questions are compulsory.*
- (3) *There is no overall choice.*
- (4) *Use of calculators is not allowed*

Section A: MCQs (1 × 5 = 5 marks)

1. Which of the following cannot produce a ringing sound when struck hard? [1]
a) Phosphorus b) Copper c) Iron d) Aluminium
2. A smoke detector is a device that detects smoke and sounds an alarm. Suppose you are fitting a smoke detector in your room. The most suitable place for this device will be: [1]
a) Near the floor b) In the middle of a wall
c) On the ceiling d) Anywhere in the room
3. Rhizobium bacteria help in — [1]
a) Water absorption b) Nitrogen fixation c) Photosynthesis d) Transpiration
4. The process of mixing acid and base in correct proportions to form salt and water is called — [1]
a) Dilution b) Neutralization c) Evaporation d) Condensation
5. The SI unit of temperature is — [1]
a) Degree Celsius b) Fahrenheit c) Kelvin d) Joule

Section B (2 × 3 = 6 marks)

6. Rohan visited a jewellery shop with his parents. He noticed that most ornaments were made of gold and silver. The shopkeeper told them that these metals are used not only because they look beautiful but also because they can be easily shaped into different designs. Why are gold and silver ideal for making jewellery? [2]

7. Unscramble the underlined word in the following sentences: [2]
- a. The discharge of blood in adolescent girls which generally occurs every 28-30 days is nstmnoiaretu.
- b. The hoarseness in the voice of adolescent boys is due to enlarged iceov xob.
- c. Secondary sexual characteristics are natural signs that the body is preparing for adulthood and mark the onset of urtvpeb.
- d. We should say NO to lahoclo and srugd as they are addictive.
8. The fastest galloping horse can reach the speed of approximately 18 m/s. How does this compare to the speed of a train moving at 72 km/h? [2]

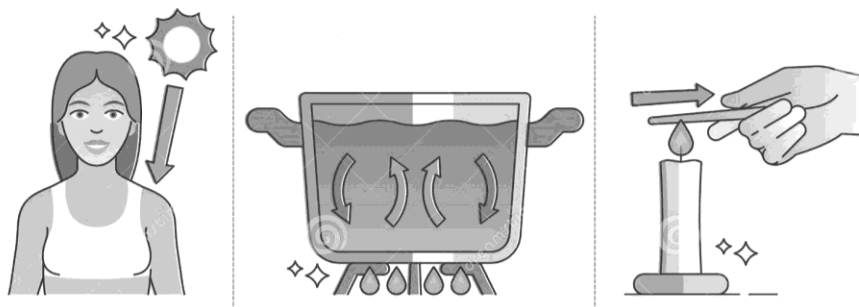
Section C ($3 \times 3 = 9$ marks)

9. Take the following animals: Cow, Fish, Earthworm and Whale. [3]
- Mention their main mode/organs of Breathing.
 - Which of the above animal is similar in breathing mechanism with Humans?
 - How breathing is different from Respiration? Write the word equation for respiration.

10. Draw a neat, labelled diagram showing the process of photosynthesis. [3]
- Indicate sunlight, chlorophyll, carbon dioxide, and oxygen.
 - Write the word equation for photosynthesis.

11. Observe the diagram showing modes of heat transfer. [3]

HEAT TRANSFER



- Identify the type of heat transfer shown in pictures.
- How does radiation differ from conduction and convection?

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

4

एक जंगल में परिजात का एक पेड़ था। परिजात का कोई मुकाबला नहीं था। उसकी सुंदरता बेजोड़ थी। उसका रंग-रूप निराला था। परिजात को भी अपने गुणों का पूरा-पूरा पता था। नीले आसमान में सिर उठाए इस शान से खड़ा रहता, मानों पेड़ों का सरताज हो। जब बहार के दिन आते तो परिजात अनगिनत नन्हें-नन्हें फूलों से लद जाता, लगता मानों किसी ने आकाश से सारे तारे तोड़कर परिजात की शाखाओं पर टाँक दिए हो। नन्हें फूलों से झिलमिलाता परिजात जब सुगंध भरी पराग जंगल में बिखेरता तो जंगल नंदन बन जाता। चुंबक की तरह परिजात सबको अपनी तरफ़ खींचता, जिसे देखो, वही परिजात की तरफ़ भागता। सतरंगी शालें ओढ़े चटकीली तितलियाँ सहेलियों के साथ झुंड का झुंड बनाकर परिजात का श्रृंगार देखने आतीं तथा जाते-जाते फूलों को खींचकर ढेरों पराग अपने साथ ले जाती।

(i) जंगल में किसका पेड़ था?

(ii) परिजात अपने आप को क्या समझता था?

(iii) वह अनगिनत फूलों से कब लद जाता था?

(iv) तितलियाँ क्या करती थीं?

2- नीचे पूछे गए प्रश्नों के उत्तर दीजिए-

i- नीचे लिखे शब्दों के विलोम लिखिए:

1x2=2

(a) आशा _____

(b) अर्थ _____

ii- नीचे लिखे शब्दों के दो-दो पर्यायवाची लिखिए:

1x2=2

(a) पत्थर _____

(b) सूर्य _____

3- निर्देशानुसार उत्तर दीजिए:

i- नीचे लिखी वाक्यांशों के लिए एक शब्द लिखिए:

1x2=2

(a) जिसका जन्म न हुआ हो _____

(b) जिसकी उपमा न दी जा सके _____

ii- नीचे लिखे अनेकार्थी शब्दों के दो-दो अर्थ लिखिए:

1x2=2

(a) पत्र _____

(b) कर _____

4- निर्देशानुसार उत्तर दीजिए:

(i) नीचे लिखे वाक्यों से विशेषण शब्द छाँटकर उसका भेद लिखिए:

1x2=2

(a) वह घर मेरा है।

(b) रमा आज काली साड़ी पहनेगी।

(ii) नीचे लिखे वाक्यों से क्रियाविशेषण शब्द छाँटकर उसका भेद लिखिए:

1x2=2

(a) सदैव सत्य बोलो।

(b) रोहित मेरे पीछे आओ।

5- अपने बड़े भाई के विवाह में आमंत्रित करते हुए अपनी सखी को पत्र लिखिए।

अथवा

निम्नलिखित विषय पर 100 से 120 शब्दों में एक अनुच्छेद लिखिए।

4

(i) 'विद्यालय का वार्षिक उत्सव'

[illegible]

[illegible]