



ADMISSION TEST FOR CLASS VIII

FM- 50

Time: 1 Hrs

ENGLISH

A. Read the following passage and answer the following questions. Each question carries one mark. (1×5=5)

Garbage is a great danger to the environment. It comes from various sources: waste paper, tiffin packaging, plastic bags, ice cream wrappers, bottle caps, fallen leaves from trees and much more. Garbage makes the premises ugly, neglected and generates diseases.

A large amount of garbage that is thrown away contains material that can be recycled and reused, such as paper, metals and glass, which can be sent to the nearest recycling center or disposed of at the junkyard. It also contains organic matter like leaves that can enrich soil fertility. A compost pit can be made in a convenient place where the waste can be laid out with layers of soil and an occasional sprinkling of water. This would help the decomposition to make valuable fertilizer. This would also prevent the pollution that is usually caused by burning such organic waste.

1. Garbage originates from

- (a) used paper, tiffin, packings, plastic bags and fallen leaves from trees (b) leftovers of food
(c) fallen branches from trees (d) building materials.

2. Garbage can create havoc to the mankind by

- (a) spreading foul smell (b) slowing our vehicles on the road
(c) spreading several diseases (d) all the above.

3. What happens to the disposed material at the recycling centre?

- (a) It is thrown away (b) It is recycled for reuse
(c) It is sold to the rag pickers (d) It is dumped into the ground.

4. Fallen leaves from trees are useful because they

- (a) solve the problem of fuel wood in village households (b) enrich water quality
(c) enrich soil fertility (d) beautify landscape.

5. Which of these is correct with reference to a composite pit?

- (a) The refuge is placed with layers of soil with an occasional sprinkling of water (b) It contributes to the manufacture of useful fertilizer
(c) It prevents pollution (d) All the above.

B. Answer the following questions. Each question carries one mark. (1×5=5)

1. Lots of _____ ran across the street. (a) deers (b) deer's (c) deer
2. Physics _____ difficult to understand. a) were b). are c). is d). have been

3. My mother, along with others, _____ worried. a) were b) are c.)have d)was

4. I was writing an essay.(Change into passive voice)

- (a) An essay was being written by me. (b) An essay was written by me.
(c) An essay is being written by me. (d) None of these

5. Identify the tense used in the sentence. "Nick has purchased a new laptop."

- A Present perfect tense B Past indefinite tense
C Past perfect tense D Present indefinite tense

3. Answer the following questions. This question carries five marks. (5×1=5)

(a) Write a paragraph on 'My Hobby'.

or

(b)Write a story on the basis of the following hints :-

The mice in a house..... afraid of the cat hold a meeting one proposes to tie a bell round the cat's neck..... all agree who is to bell the cat? No mouse offers..... the cat appears..... all run away.

SCIENCE

A. Choose the Correct Option. (1×12=12)

1. Where can the key or switch be placed in the circuit?

- (a) Left side of the battery (b) Right side of the battery
(c) Can be placed anywhere in the circuit (d) Near the positive terminal of the bulb

2. Which one shows lateral inversion?

- (a) Plane mirror (b) Convex mirror (c) Concave mirror (d) All of these

3. If we denote speed by S, distance by D and time by T, the relationship between these quantities is

- (a) $S = D \times T$ (b) $T = S \times D$ (c) $S = D/T$ (d) $S = T \times D$

4. Heat from the sun reaches to us by

- (a) Radiation (b) Conduction (c) Convection (d) All of these

5. Which of the following is a nutrient?

- (a) Protein (b) Fat (c) Vitamin (d) All of these

6. Which are the gases involved in breathing?

- (a) O₂ and NO₂ (b) O₂ and SO₂ (c) O₂ and O₃ (d) O₂ and CO₂

7. Vegetative propagation in potato takes place by

- (a) Leaves (b) Stem (c) Root (d) Seed

8. Which one of the following contains haemoglobin?

- (a) RBC (b) WBC (c) Platelets (d) None of these

9. The rearing of silkworms for obtaining silk is called:

- (a) Cocoon (b) Silk (c) Sericulture (d) Silviculture

10. Products of a neutralisation reaction are always:

- (a) An acid and a base (b) An acid and a salt (c) A salt and water (d) A salt and a base

11. Which is a method to prevent rust?

- (a) Crystallization (b) Sedimentation (c) Galvanisation (d) None of these

12. Water cycle does not involve which of the following?

- (a) Evaporation (b) Condensation (c) Formation of clouds (d) Rainwater harvesting

B. Answer The Following Questions.

(1×3=3)

1. Draw the circuit symbol of battery and an electric bulb.

2. What is meant by chemical change?

3. What is meant by saprophytes?

MATHEMATICS

(2×10=20)

1) Evaluate: $-\frac{(-16)+[(-13)+(-3)]}{(-60)+(-60)} = ?$ a) 2 b) -1 c) 1 d) -2

2) If two supplementary angles differ by 44° .

then one of the angles is a) 102° b) 65° c) 112° d) 72°

3) What percent of 1 liters is 50 cm^3 ? a) 2% b) 5% c) 20% d) 50%

4) If $\frac{x}{y} = \frac{9}{8}$, then the value of $\left(\frac{6}{7} + \frac{y-x}{y+x}\right)$ equals a) $\frac{9}{119}$ b) $\frac{95}{119}$ c) $\frac{19}{119}$ d) $\frac{19}{119}$

5) If the area of two circles are in the ratio 25:36,

then the ratio of their circumference is a) 6:5 b) 3:4 c) 4:3 d) 5:6

6) Subtract $6xy$ from $-12xy$ is a) $18xy$ b) $-6xy$ c) $-18xy$ d) $6xy$

7) The degree of $(6x^7 - 7x^3 + 3x^2 + 2x - 1)$ is a) 7 b) 6 c) 3 d) 5

8) $2^3 + 2^3 + 2^3 + 2^3 + 2^3$ is equal to a) 2^5 b) 2^{12} c) 281 d) 216

9) A square has ----- lines of symmetry a) one b) two c) three d) four

10) How many face of the cube? a) 5 b) 12 c) 10 d) 6