



परमाणु ऊर्जा शिक्षण संस्था
Atomic Energy Education Society
उत्तर कुंजी / Answer Key (2025-26)
विद्यालय/School: AECS Mysore केंद्र/Centre: Mysore

कक्षा /Class:VIII विषय /Subject: Science अंक/Marks: 40

दिया गया पाठ्यक्रम/Portion covered: Bridge programme ; Theme 1-7

General Instructions:

Time : 90 Minutes

1. This question paper consists of two parts A and B.
2. Section 'A' has 20 MCQs and each question carries 1 mark.
3. Section "B-1" has 3 questions and each question carries 2 marks.
4. Section 'B-2' has 3 questions and each question carries 3 marks.
5. Section 'B-3' has 1 question and it carries 5 marks.
6. All the questions are compulsory.

SECTION-A

(1x20= 20 MARKS)

1. Parallel venation is not found in
a) sugarcane b) peepal c) maize d) wheat
2. Leaf venation and type of root is correctly paired in
a) parallel venation, fibrous roots b) parallel venation, taproot c) no relation exists in leaf venation and type of roots d) reticulate venation, fibrous roots
3. Which of the following is a renewable resource?
a) Coal b) Petroleum c) Wind energy d) Natural gas
4. The process of converting waste materials into reusable material is known as:
a) Recycling b) Deforestation c) Pollution d) Over-exploitation
5. What happens to air when it is heated?
a) It contracts and becomes heavier b) It expands and becomes heavier
c) It expands and becomes lighter d) It turns into a liquid

6. Why does hot air rise above cold air?

- a) Hot air is heavier than cold air b) Hot air is less dense than cold air c) Cold air pushes hot air up d) Hot air reflects sunlight

7. What does “food miles” refer to?

- a) Distance travelled by food from producer to consumer
- b) Nutritional value of food c) Number of meals consumed in a day d) Amount of food waste

8. Which one of the following food items does not provide dietary fibre?

- a) Whole grains b) Whole pulses c) Fruits and vegetables d) Milk

9. Which of the following is the largest source of water?

- (a) Sea (b) Ocean (c) Pond (d) Lake

10. Which is not a part of water cycle?

- (a) Cloud formation (b) Rain (c) Drinking by animals (d) Sun

11. The process of conversion of water into vapours is called

- (a) transpiration (b) evaporation (c) condensation (d) none of these

Two statements are given for questions 11 to 14: Assertion (A) and Reason (R). Select the correct answer to these questions from the codes (a), (b), (c), and (d) as given below:

(a) Assertion (A) and Reason (R) both are correct statements and reason is the correct explanation for assertion.

(b) Assertion (A) and Reason (R) both are correct statements and reason is not the correct explanation for assertion.

(c) Assertion (A) is a correct statement but the Reason (R) is a wrong statement.

(d) Assertion (A) is a wrong statement but the Reason (R) is a correct statement. (4*1)

12. Assertion (A): Clothes dry faster on a rainy day.

Reason (R): High humidity during a rainy day, slows down the rate of evaporation.

13. Assertion (A): The water cycle is the natural circulation of water between the surface of the earth and the atmosphere.

Reason (R): Water tends to change its state on heating or cooling.

14. Assertion (A): A depletion of non-renewable resources is a major concern for sustainable development.

Reason(R): Non-renewable resources such as fossil fuels are finite and its extraction and use cause environmental degradation and climate

15. Assertion (A): Hot air rises in a room.

Reason (R): Hot air contracts, becomes more dense, and is pushed up by lighter, cooler air.

Fill in the blanks with suitable words

16. Formation of clouds in the atmosphere is called-----.

17.----- root system is found in rose.

18. When air gets hot, it _____ and rises up.

19. The period of transition of life from childhood to adulthood is called-----.

20.----- are chemical messengers in the body.

SECTION- B-1

Answer the following following questions in one or two sentences. (2x3=6 MARKS)

21. Why does a balloon expand when heated?

22. Why should a meal have different food items?

23. What is the importance of water cycle?

SECTION-B-2

Answer the following following questions in three to four sentences. (3x3=9 MARKS)

24. Why it is important to conserve non-renewable resources?

25. What are the common changes during puberty?

26. Write three differences between metals and non metals .

SECTION-B-3

Answer the following question in four to five sentences. (5x1= 5 MARKS)

25. Explain the importance of air and water for living beings. How can we conserve them?
