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Practice **Set 2** Solution

Physics, English & **ENVIRONMENTAL SCIENCES**

Topics :

Modes of heat transfer, Various temperature scale, conversion of temperature, Kelvin – Celsius, Kelvin – Fahrenheit, Fahrenheit – Celsius and vice versa, Parts of Speech, Tenses, Subject Verb Agreement, Ecosystem, Pollution and its types, Climate Change, Renewable Sources of Energy such as Hydro, Solar, Wind, Bio-mass, Tidal and Geothermal - their availability and limitations.

DDCE final exam weightage of this topic : 13 Questions (26 Marks)

**Total Practice sets
of this topic :**

12 (sets) x 25 (questions) = 300 Questions

**Total Practice tests
of this topic :**

5 (exams) x 50 (questions) = 250 Questions

**Offline / Online
during lecture :**

4 (lectures) X 50 (Questions) = 200 Question

**Total 750 Questions to
practice this topic**



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1. Heat transfer through direct contact of particles is called:

- A. Radiation
- B. Conduction ✓
- C. Convection
- D. Diffusion

2. Which of the following modes of heat transfer can occur in a vacuum?

- A. Conduction
- B. Convection
- C. Radiation ✓
- D. All of the above

3. Which material is a good conductor of heat?

- A. Wood
- B. Plastic
- C. Copper ✓
- D. Glass

4. Which of the following does not require a medium to transfer heat?

- A. Conduction
- B. Convection
- C. Radiation ✓
- D. None

5. Which surface is best at emitting and absorbing heat radiation?

- A. Shiny and white
- B. Dull and black ✓
- C. Polished metal
- D. Transparent

6. What is the freezing point of water in Celsius?

- A. 100°C
- B. 0°C ✓
- C. 32°C
- D. 273°C

7. Convert 0°C to Kelvin.

- A. 273 K ✓
- B. 0 K
- C. 100 K
- D. 32 K

8. The flow of energy in an ecosystem is:

- A. Cyclic
- B. Linear ✓
- C. Random
- D. Reversible

9. Producers in an ecosystem are usually:

- A. Animals
- B. Bacteria
- C. Fungi
- D. Green plants ✓

10. Which is the correct sequence in a food chain?

- A. Producer → Carnivore → Herbivore
- B. Carnivore → Herbivore → Producer
- C. Producer → Herbivore → Carnivore ✓
- D. Herbivore → Producer → Carnivore





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11. Decomposers help in:
- A. Energy production
 - B. Nutrient recycling ✓
 - C. Water purification
 - D. Photosynthesis
12. Abiotic components of an ecosystem include:
- A. Fungi
 - B. Plants
 - C. Temperature ✓
 - D. Animals
13. The major cause of water pollution is:
- A. Thermal energy
 - B. Industrial discharge ✓
 - C. Overfishing
 - D. Use of hydro energy
14. Which gas is not a greenhouse gas?
- A. CO₂
 - B. Methane
 - C. Nitrous oxide
 - D. Hydrogen ✓
15. Greenhouse effect is essential for life because it:
- A. Cools the Earth
 - B. Blocks harmful rays
 - C. Maintains Earth's temperature ✓
 - D. Protects from meteors
16. Which of the following is a limitation of wind energy?
- A. High maintenance
 - B. Noise pollution
 - C. Dependent on wind availability ✓
 - D. Emits carbon dioxide
17. Which of the following is a proper noun?
- A. city
 - B. river
 - C. Mumbai ✓
 - D. mountain
18. Identify the abstract noun:
- A. Strength ✓
 - B. Horse
 - C. Cup
 - D. Park
19. Which of the following nouns is countable?
- A. Water
 - B. Sugar
 - C. Car ✓
 - D. Rice
20. Choose the plural noun:
- A. Book
 - B. Books ✓
 - C. Bottle
 - D. Chair





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21. "She has three pencils." – What is "three"?

- A. Descriptive
- B. Demonstrative
- C. Quantitative
- D. Numerical ✓

22. "She is the most intelligent girl." – Identify the adjective form:

- A. Positive
- B. Comparative
- C. Superlative ✓
- D. Demonstrative

23. "The black cat jumped over the wall." – Adjective used:

- A. Wall
- B. Cat
- C. Black ✓
- D. Jumped

24. "The man who called you is outside." - What is "who"?

- A. Personal
- B. Interrogative
- C. Relative ✓
- D. Demonstrative

25. "Each of the players did his best." – What is "Each"?

- A. Demonstrative
- B. Indefinite ✓
- C. Interrogative
- D. Personal



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