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Practice **Set 3**

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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- Which of the following is an abiotic component of an ecosystem?
A. Bacteria
B. Fungi
C. Sunlight
D. Animals
- A food web is a:
A. Single chain showing the transfer of energy.
B. Network of interconnected food chains.
C. Group of similar organisms feeding on the same food source.
D. Diagram showing the decomposition process.
- The primary producers in most terrestrial ecosystems are:
A. Carnivores
B. Herbivores
C. Decomposers
D. Plants
- Pollution is best defined as:
A. The natural degradation of the environment.
B. The introduction of harmful substances or energy into the environment.
C. The excessive growth of certain plant species.
D. The depletion of natural resources.
- The efficiency of solar panels is affected by:
A. Wind speed
B. Humidity levels
C. Cloud cover and the angle of sunlight
D. Soil composition
- The availability of hydropower is primarily dependent on:
A. Wind speed and consistency.
B. Solar irradiance levels.
C. Precipitation and river flow.
D. Geothermal gradients.
- Climate change primarily refers to:
A. Short-term variations in weather patterns.
B. Long-term shifts in temperatures and weather patterns.
C. The natural fluctuations in Earth's climate throughout history.
D. The seasonal changes in temperature and precipitation.
- Wind turbines are typically located in areas with:
A. Low and variable wind speeds.
B. Consistent and high wind speeds.
C. Dense forests.
D. High seismic activity.
- The temperature at which Celsius and Fahrenheit scales show the same reading is:
A. 0°
B. -40°
C. 100°
D. 273°
- Convert 500 K to Fahrenheit:
A. 440.33°F
B. 232°F
C. 100°F
D. 212°F



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11. If the temperature of a body is 50°C , what is its temperature in Fahrenheit?

- A. 122°F
- B. 10°F
- C. 323°F
- D. 82°F

12. The freezing point of water in Kelvin is:

- A. 0 K
- B. 273 K
- C. 373 K
- D. 32 K

13. Which temperature scale does not have negative values?

- A. Celsius
- B. Fahrenheit
- C. Kelvin
- D. All have negative values

14. Convert 25°C to Kelvin:

- A. 298 K
- B. 273 K
- C. 248 K
- D. 25 K

15. The rate of heat conduction depends on:

- A. Temperature difference
- B. Material properties
- C. Thickness of the material
- D. All of the above

16. Convert 68°F to Celsius:

- A. 20°C
- B. 0°C
- C. 100°C
- D. -20°C

17. I _____ (go) to the market yesterday.

- A. go
- B. goes
- C. went
- D. going

18. She _____ (study) for her exams now.

- A. studies
- B. is studying
- C. studied
- D. will study

19. They _____ (finish) their work by tomorrow.

- A. finish
- B. finished
- C. are finishing
- D. will have finished

20. He _____ (live) in this city for ten years.

- A. lives
- B. lived
- C. has lived
- D. is living





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21. The sun _____ (rise) in the east.
- A. rises
 - B. rose
 - C. is rising
 - D. will rise
22. She _____ (travel) to Europe next month.
- A. travels
 - B. is traveling
 - C. traveled
 - D. has traveled
23. If I had known, I _____ (help) you.
- A. will help
 - B. would have helped
 - C. help
 - D. helped
24. By the time we arrive, the meeting _____ (already/start).
- A. already starts (
 - B. has already started
 - C. is already starting
 - D. already started
25. She goes to school every day. (Identify the tense)
- A. Present Continuous
 - B. Present Simple
 - C. Past Simple
 - D. Future Simple

