



परमाणु ऊर्जा शिक्षण संस्था
Atomic Energy Education Society
कार्यपत्रक / Worksheet (2025-26)

कक्षा / Class: _____ शिष्य / Subject: _____ माह / Month: _____ अंक / Marks: 40

माह / Month: _____ दिया गया पाठ्यक्रम / Portion covered: _____

द्विद्यार्थी का नाम / Name of the student: _____

अनुक्रमणिका / Roll No. _____ कक्षा / अनुभाग Class / Sec.: _____ दिनांक / Date: _____

I. Choose the correct answer:

(10 x 1=10)

- From which natural resources do we get solar energy?
 - Soil
 - Sun
 - Water
 - Air
- Which of the following is a renewable resource?
 - Coal
 - Petroleum
 - Wind energy
 - Natural gas
- The process of converting waste materials into reusable material is known as:
 - Recycling
 - Deforestation
 - Pollution
 - Over-exploitation
- Which of the following resources is obtained from the Earth's crust?
 - Soil
 - Coal
 - Water
 - Air
- Dark coloured soils are considered most fertile as they contain
 - Gravel and sand
 - Sand and earthworms
 - Clay and humus
 - Humus and gravel
- _____ is the old rain water harvesting structure made by cement masonry or limestone.
 - kunds
 - tanka
 - johad
 - none of these
- World water day is observed on
 - 21st March
 - 22nd March
 - 23rd March
 - 24th March
- Biomass is an example of _____ resources.
 - Renewable
 - Non-renewable
 - both a and b
 - None of these
- _____ is the key Indian agricultural sustainable practices.
 - Crop rotation
 - Bench terracing
 - Both a and b
 - none of these
- Which of the following is a depletable sources _____
 - Coal
 - Petroleum
 - Natural gas
 - All of these

II. Choose the correct answer from options given below for the statements. (4x1=4)

(a) Both A and R are true, but R is the correct explanation of A

(b) Both A and R are true, but R is not the correct explanation of A

(c) A is true, but R is false

(d) A is false, but R is true

11. Assertion (A): Soil erosion does not affect the fertility of soil.

Reason (R): Humus present in the soil is eroded along with soil

12. Assertion (A): Fossil fuels are renewable and non-conventional sources of energy.

Reason (R): The underground reserves of coal and petroleum are depleting fast.

People should look at other non-conventional sources of energy like solar energy, tidal energy, etc. for their use.

13. 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 change.

14. Assertion (A): Irrigation has also changed the cropping pattern.

Reason (R): Crops are now sown according to the amount and availability of water.

III. Read the following passage and answer the question carefully. (4x1=4)

A solar oven or cooker is a system that cooks food by trapping the sunlight. A typical solar oven can be prepared in-house. It consists of aluminium foil as reflectors, a cardboard box as cooking chamber, a transparent plastic foil allows sunlight to enter and black paper sheet at the bottom of cardboard.

15. A transparent plastic foil is used to allow sunlight and also for _____.

a) providing clear view

c) preventing heat from escaping

b) protecting the oven

d) all of these

16. Solar oven or cooker is a system that works on the basis of _____.

a) hydro energy

c) solar energy

b) wind energy

d) geothermal energy

17. The usage of black paper sheet is for _____.

a) ensuring the protection

c) ensuring release of heat

b) ensuring heat absorption

d) none of these

18. Among the following the limitation of solar oven or cooker is _____.

a) weather dependent

c) temperature control

b) cooking time

d) all of these

IV. Short answer type questions -I

(5x2=10)

19. What is meant by natural resources?

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

21. Name the technique of rainwater harvesting.

22. What are the ways to produce electricity?

23. List out any two most effective method of conserving soil.

V. Short answer type questions- II

(4x3=12)

24. List three items that can be recycled and describe how they are recycled?
25. Describe the sustainable agricultural practices.
26. Why is it very essential to use resources more efficiently and reduce their wastage?
Explain any three reasons.
27. Look around your House and School, list any three ways to reduce wastage of water.