



BIOLOGY

BOOKS - ARIHANT PUBLICATION

MANAGEMENT OF NATURAL RESOURCES

Question Bank

1. Which one of the following is an inexhaustible resource?

- A. Air
- B. Coal
- C. Mineral
- D. Forest

Answer: A

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2. Which of the following is not a feature of exhaustible natural resource?

- A. These resources are limited in nature
- B. These resources are replenishable
- C. These resources are liable to degradation in quantity and quality by human activities
- D. These include coal, petroleum, minerals, etc.

Answer: B

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3. Which one is example of over exploitation of natural resources?

A. Water use in agriculture

B. Mining

C. Pollution

D. Civilisation

Answer: A



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4. Which one of the following is different than other

A. Solar radiation

B. Water

C. Petrol

D. Geothermal power

Answer: C

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5. Which one does not define 3 R correctly?

A. Reduce

B. Reuse

C. Recycle

D. Reinvent

Answer: D

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6. Consider following statements regarding 3 R.

I. Reduce means minimise the use of product which are obtained from nature.

II. Recycle involves nutrient cycling in ecosystem.

III. Reuse involves treatment of waste water.

Choose the correct option.

A. Only I

B. I and II

C. I and II

D. II and III

Answer: A



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7. Development without causing major environmental problems is called

- A. sustainable development
- B. eco-friendly development
- C. redirection development
- D. reverse development

Answer: B



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8. Match the following columns.

Column I	Column II
A. Inexhaustible natural resources	1. Solar radiations
B. Exhaustible natural resource	2. Forest
	3. Wildlife
	4. Water

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,4 | 2,3 | (2) 1,2 | 3,4 |
| (3) 1,3 | 2,4 | (4) 2,4 | 1,3 |

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,4 | 2,3 | (2) 1,2 | 3,4 |
| (3) 1,3 | 2,4 | (4) 2,4 | 1,3 |

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,4 | 2,3 | (2) 1,2 | 3,4 |
| (3) 1,3 | 2,4 | (4) 2,4 | 1,3 |

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,4 | 2,3 | (2) 1,2 | 3,4 |
| (3) 1,3 | 2,4 | (4) 2,4 | 1,3 |

Answer: A



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9. Ganga action Plan was started by

- A. Narendra Modi
- B. Indira Gandhi
- C. Lal Bahadur Shastri
- D. Rajiv Gandhi

Answer: D

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10. Origin of Ganga is located in

- A. Uttar Pradesh
- B. Himachal Pradesh

C. Uttarakhand

D. None of the above

Answer: C



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11. In which city of India, Ganga is found most polluted?

A. Kanpur

B. Lucknow

C. Kolkata

D. Allahabad

Answer: A



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12. Which of the following is a group of bacteria found in human intestines, whose presence in water indicates contamination by disease-causing microorganisms?

- A. Lichen
- B. Streptomyces
- C. Haemophilus
- D. Coliform

Answer: D



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13. Coliform is a group of which are found in Ganga in abundance?

- A. Bacteria
- B. Protozoa
- C. Virus
- D. Larva of exotic fish

Answer: A



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14. The most common energy source which is found in abundance in earth's crust is

- A. petroleum
- B. coal
- C. natural gas
- D. All of the above

Answer: B



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15. Consider the following environmental problems.

I. Air pollution

II. Eutrophication

III. Global warming

IV. Soil pollution

V. Acid rain

Which of the following is an ill effect of overuse of fossil fuels?

A. I and II

B. I and III

C. I, III and V

D. All of these

Answer: C

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16. As per the present estimations, years, we will run out of petroleum?

- A. 60 years
- B. 40 years
- C. 100 years
- D. 200 years

Answer: B

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17. Which of the following is not a measure to conserve coal and petroleum?

- I. Use energy efficient appliances.
- II. Switch off lights, fans, TV, etc. when not needed.
- III. Use personal vehicles for avoiding overcrowding.

Choose the correct option.

- A. I and II
- B. II and III
- C. Only III
- D. None of the above

Answer: C



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18. How much of global electricity demand in 2015 was accomplished via wind energy?

A. 4 %

B. 8 %

C. 60 %

D. 20 %

Answer: A



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19. India has largest windmill of 1064 MW established in

A. Jaisalmer

B. Kanya Kumari

C. Odisha

D. Assom

Answer: A



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20. It is estimated that India possesses MW of tidal energy potential.

A. 2000-4000

B. 800-1000

C. 8000-9000

D. 11000-15000

Answer: C



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21. Which country is world's largest hydroelectricity producer?

A. India Brazil

B. USA

C. China

D.

Answer: D



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22. Two forms of energy in which solar energy manifests itself is

A. tidal energy

B. ocean thermal energy

C. wind energy

D. Both (1) and (2)

Answer: D

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23. Which of the following countries has the largest proportion of solar electricity in the world?

A. Italy

B. China

C. USA

D. India

Answer: A

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24. OTEC can be expanded as

- A. Ocean Tidal Energy Cooperation
- B. Ocean Tidal Energy Conservation
- C. Ocean Thermal Energy Cooperation
- D. None of the above

Answer: C

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25. The non-conventional energy potential of India is estimated at about

- A. 95000 MW

B. 2200 MW

C. 19000 MV

D. 22000 MW

Answer: A



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26. Consider the following statements regarding non-conventional energy.

I. India has estimated 95000 MW non-conventional energy potential.

II. Non-conventional energy potential are pollution-free but expensive due to low productivity.

III. Ocean thermal energy conversion use geothermal heat of earth.

Choose the correct option.

- A. I and II
- B. II and III
- C. I and III
- D. All of these

Answer: C



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27. Why even a slow flowing stream of water or moderate sea swell can yield considerable amounts of energy?

- A. Because air is 200 times more denser than water
- B. Because water is 800 times more denser than air
- C. Because water and air are approximately equal in density
- D. None of the above

Answer: B



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28. Which gas is formed by the decomposition of biomass?

A. CH_4

B. NO_2

C. SO_2

D. O_2

Answer: A



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29. Windmill is used to produce electricity. Which of the following is the sequence of energy conversion in a windmill?

A.

W ∈ de ≠ rgy → e ≤ ctricale ≠ rgy → mechanical ≠ rgy

B.

E ≤ ctricale ≠ rgy → w ∈ de ≠ rgy → mechanical ≠ rgy

C.

Mechanical ≠ rgy → w ∈ de ≠ rgy → e ≤ ctricale ≠ rgy

D.

W ∈ de ≠ rgy → mechanical ≠ rgy → e ≤ ctricale ≠ rgy

Answer: D



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30. Construction of which of the following dams was opposed by local people?

I. Tehri Dam

II. Krishna Raja Sagar Dam,

III. Sardar Sarovar DamV. Indira Sagar Dam

Codes

A. I and IV

B. I and V

C. I and III

D. I, II and III

Answer: C



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31. Match the following columns.

Column I	Column II
A. Renewal energy source	1. Windmill
B. Traditional energy sources	2. Nuclear power plant
	3. OTEC
	4. Petroleum

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,2 | 3,4 | (2) 1,3 | 2,4 |
| (3) 1,4 | 2,3 | (4) 3,4 | 1,2 |

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,2 | 3,4 | (2) 1,3 | 2,4 |
| (3) 1,4 | 2,3 | (4) 3,4 | 1,2 |

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,2 | 3,4 | (2) 1,3 | 2,4 |
| (3) 1,4 | 2,3 | (4) 3,4 | 1,2 |

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,2 | 3,4 | (2) 1,3 | 2,4 |
| (3) 1,4 | 2,3 | (4) 3,4 | 1,2 |

Answer: B



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32. Namami Gange' project was started by

- A. Manmohan Singh
- B. Rajiv Gandhi
- C. Narendra Modi
- D. None of the above

Answer: C



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33. Match the following columns.

Column I	Column II
A. Gulf of Kutch	1. OTEC
B. Tehri Dam	2. Windmills
C. Kanya Kumari	3. Hydropower
D. Indian Ocean	4. Tidal energy

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,2 | 3,4 | (2) 1,3 | 2,4 |
| (3) 1,4 | 2,3 | (4) 3,4 | 1,2 |
- A.

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,2 | 3,4 | (2) 1,3 | 2,4 |
| (3) 1,4 | 2,3 | (4) 3,4 | 1,2 |
- B.

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,2 | 3,4 | (2) 1,3 | 2,4 |
| (3) 1,4 | 2,3 | (4) 3,4 | 1,2 |
- C.

Codes

- | | | | |
|---------|-----|---------|-----|
| A | B | A | B |
| (1) 1,2 | 3,4 | (2) 1,3 | 2,4 |
| (3) 1,4 | 2,3 | (4) 3,4 | 1,2 |
- D.

Answer: C



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34. Which country is world's largest wind power producer?

A. USA

B. China

C. Brazil

D. Denmark

Answer: A



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35. This section contains Assertion (A) and Reason (R) type questions. Each question has choices (1), (2), (3) and (4), out of which only one is correct.

Assertion (A) In these days, world is looking for better non-conventional energy sources.

Reason (R) Due to increase in pollution caused by conventional

energy resources, developing countries resources, developing countries are looking for new energy sources.

- A. Both Assertion and reason are correct, and Reason is the correct explanation of Assertion.
- B. Both Assertion and Reason are correct, but Reason is not the correct explanation of Assertion.
- C. Assertion is correct, but Reason is incorrect
- D. Assertion is incorrect, but Reason is correct

Answer: A

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36. Assertion (A) In modern non-conventional energy resources, India is best suited for solar energy.

Reason (R) Solar energy is the cheapest energy source which is easy to install.

- A. Both Assertion and reason are correct, and Reason is the correct explanation of Assertion.
- B. Both Assertion and Reason are correct, but Reason is not the correct explanation of Assertion.
- C. Assertion is correct, but Reason is incorrect
- D. Assertion is incorrect, but Reason is correct

Answer: B



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37. This section contains Assertion (A) and Reason (R) type questions. Each question has choices (1), (2), (3) and (4), out of

which only one is correct.

Assertion (A) Fire wood is a conventional energy source.

Reason (R) Only 8 – 10 % energy of burning firewood is utilised and the remaining is wasted.

- A. Both Assertion and reason are correct, and Reason is the correct explanation of Assertion.
- B. Both Assertion and Reason are correct, but Reason is not the correct explanation of Assertion.
- C. Assertion is correct, but Reason is incorrect
- D. Assertion is incorrect, but Reason is correct

Answer: B



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38. This section contains Assertion (A) and Reason (R) type questions. Each question has choices (1), (2), (3) and (4), out of which only one is correct.

Assertion (A) Natural gas is called clean fuel.

Reason (R) Natural gas burns without smoke.

- A. Both Assertion and reason are correct, and Reason is the correct explanation of Assertion.
- B. Both Assertion and Reason are correct, but Reason is not the correct explanation of Assertion.
- C. Assertion is correct, but Reason is incorrect
- D. Assertion is incorrect, but Reason is correct

Answer: A



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