

Water Resources

1. OBJECTIVE QUESTIONS

1. During whose reign were the dams, lakes and irrigation systems built extensively?

- (a) Ashoka
- (b) Chandragupta Maurya
- (c) Akbar
- (d) None of these

Ans : (b) Chandragupta Maurya

2. What were 'Guls'?

- (a) Reservoirs
- (b) Artificial lakes
- (c) Diversion channels
- (d) None of these

Ans : (c) Diversion channels

3. How much of the Earth's surface is covered with water?

- (a) Two-Third
- (b) Three-Fourth
- (c) One-Fourth
- (d) Two-Fourth

Ans : (b) Three-Fourth

4. The water covered surface of the earth is:

- (a) one-fourth
- (b) three-fourth
- (c) half of the earth
- (d) none of these

Ans : (b) three-fourth

5. The earth is occupied mostly with water yet fresh water resources are only:

- (a) 3.5%
- (b) 5.5%
- (c) 2.5%
- (d) 0.5%

Ans : (c) 2.5%

6. Which options are true for dams?

- (a) They check the sediment flow in rivers.
- (b) Dams have helped provide ample water for agriculture.
- (c) Dams have solved problems of drought in Central India.
- (d) Dams have helped in power generation.

Ans : (b) Dams have helped provide ample water for agriculture.

7. How much per cent of the total volume of world's water is estimated to exist in oceans?

- (a) 95.5%
- (b) 96%
- (c) 95%
- (d) 96.5%

Ans : (d) 96.5%

8. The primary source of water is:

- (a) evaporation
- (b) precipitation

(c) rain

(d) none of these

Ans : (c) rain

9. We need more and more for growing food.

- (a) land
- (b) water
- (c) minerals
- (d) none of these

Ans : (b) water

10. Which among the following regions of India experience low rainfall and is drought prone?

- (a) Rajasthan
- (b) Gujarat
- (c) Bihar
- (d) Telangana

Ans : (a) Rajasthan

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11. Apart from flood control and irrigation what are the other uses of multipurpose projects?

- (a) Recreation
- (b) Fish breeding
- (c) Internal Navigation
- (d) All of these

Ans : (a) Recreation

12. Which place in India has an artificial lake to conserve water that dates back to 11th century?

- (a) Delhi
- (b) Bhopal
- (c) Bennur
- (d) Kolhapur

Ans : (b) Bhopal

13. Who among the following proclaimed the dam as the Temple of Modern India?

- (a) Mahatma Gandhi
- (b) Jawaharlal Nehru
- (c) Moti Lal Nehru
- (d) Lal Bahadur Shastri

Ans : (b) Lal Bahadur Shastri

14. Which of the following place gets the highest rainfall in the world?

- (a) Mawsynram
- (b) Aizawl
- (c) Shillong
- (d) Cherrapunji

Ans : (a) Mawsynram

15. What is the contribution of India's hydroelectric

power to the total electricity produced in the country?

- (a) 22% (b) 30%
(c) 40% (d) 50%

Ans : (a) 22%

16. The Hirakud dam is built on which of the following river?

- (a) Sutlej (b) Beas
(c) Mahandi (d) Krishna

Ans : (c) Mahandi

17. A tank for storing water that was 6.1 metres deep, 4.27 metres long and 2.44 metres wide is found in

- (a) Jaisalmer (b) Phalodi
(c) Alwar (d) Chittorgarh

Ans : (b) Phalodi

18. Which of the following remote backward village in Mysore, Karnataka installed household rooftop rainwater harvesting system?

- (a) Gendathur (b) Vanasthalipuram
(c) Chilkunda (d) Kallahalli

Ans : (a) Gendathur

19. How many households have installed this rainwater harvesting system in that village?

- (a) 150 households (b) 175 households
(c) 200 households (d) 225 households

Ans : (c) 200 households

20. In which part of India, rooftop rainwater harvesting is chiefly practiced?

- (a) Western Rajasthan
(b) Eastern Kerala
(c) Eastern Rajasthan
(d) Western Tamil Nadu

Ans : (a) Western Rajasthan

21. Water is being used both for hydel power production and irrigation of which of the following?

- (a) Bhakra-Nangal Dam
(b) Sutlej-Beas River Basin
(c) Hirakud Dam
(d) All of these

Ans : (a) Bhakra-Nangal Dam

22. Name the state where almost all the houses traditionally had tankas.

- (a) Rajasthan (b) Odisha
(c) Tamil Nadu (d) Maharashtra

Ans : (a) Rajasthan

23. What is the share of hydroelectric power in total production of electricity in India?

- (a) 19% (b) 22%
(c) 30% (d) 36%

Ans : (b) 22%

24. What is India's rank in the global precipitation in

terms of water availability per person per annum?

- (a) 132 (b) 133
(c) 143 (d) 142

Ans : (b) 133

25. Which one of the following statements is not an argument in favour of multipurpose river projects?

- (a) Multipurpose projects bring water to those areas which suffer from water scarcity.
(b) Multipurpose projects by regulating water flow help to control floods.
(c) Multipurpose projects lead to large scale displacements and loss of livelihood.
(d) Multipurpose projects generate electricity for our industries and our homes.

Ans : (c) Multipurpose projects lead to large scale displacements and loss of livelihood.

2. FILL IN THE BLANK

DIRECTION : Complete the following statements with appropriate word(s).

1. The continuous movement of water on, above and below the surface of the earth is known as

Ans : hydrological cycle

2. 96.5% of the total volume of world's water is estimated to exist as

Ans : oceans

3., and are sources of fresh water.

Ans : Precipitation, surface run off and ground water

4. and movements were launched against the multipurpose projects.

Ans : 'Narmada Bachao' and 'Tehri Dam'

3. TRUE/FALSE

DIRECTION : Read each of the following statements and write if it is true or false.

1. Water is not a natural resource.

Ans : (F)

2. Ground water is evenly distributed in all the regions.

Ans : (F)

3. Multipurpose project leads to displacement of millions of people.

Ans : (T)

4. Jawahar Lal Nehru proclaimed the dams as the 'Temples of Modern India'.

Ans : (T)

5. River water is the purest form of natural water.

Ans : (F)

4. ASSERTION AND REASON

DIRECTION : In the following questions, a statement of assertion is followed by a statement of reason. Mark the correct choice as :

- (a) If Both assertion and reason are true and reason is the correct explanation of assertion.
- (b) If Both assertion and reason are true but reason is not the correct explanation of assertion.
- (c) If Assertion is true but reason is false.
- (d) If Both assertion and reason are false.

1. **Assertion :** Water is a renewable resource.

Reason : Freshwater is mainly obtained from surface run off and ground water that is continually being renewed.

Ans : (a) Both assertion and reason are true and reason is the correct explanation of assertion.

The total volume of world's water is estimated to exist as oceans and only few cent occurs to be fresh water. Nearly 70 per cent of this freshwater occurs as ice sheets and glaciers in Antarctica, Greenland and the mountainous regions of the world.

2. **Assertion :** The availability of water resources varies over space and time.

Reason : Availability of water resources helps in storing water.

Ans : (c) Assertion is true but reason is false.

Water resources varies over space and time due to the variation in seasonal and annual precipitation however water scarcity in most cases is caused by over- exploitation and excessive use.

3. **Assertion :** Dams are referred to as multi-purpose projects.

Reason : Dams are built for irrigation, electricity generation, water supply for domestic and industrial use, flood control, recreation and fish breeding.

Ans : (a) Both assertion and reason are true and reason is the correct explanation of assertion.

Dams were traditionally built to impound rivers and rainwater that could be used later to irrigate agricultural fields. They also help in various activities. Thus, the reason justifies the assertion.

4. **Assertion :** Dams are only used for generating electricity, not for irrigation.

Reason : Water stored in dam does not produce electricity.

Ans : (d) Both assertion and reason are false.

Dams are built to impound rivers and rainwater that could be used later to irrigate agricultural fields and it also helps to generate electricity and fulfills a variety of purposes at the same time. Thus, both reason and assertion are false.

5. **Assertion :** Irrigation has also changed the cropping pattern.

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

Ans : (a) Both assertion and reason are true and reason is the correct explanation of assertion.

Irrigation has also changed the cropping pattern of many regions with farmers shifting to water intensive and commercial crops. Large farmers are benefitted through changing the cropping pattern.

6. **Assertion :** Irrigation is considered to be the major source of agriculture.

Reason : Dams are well-known for their capacity to hold water for agriculture.

Ans : (c) Assertion is true but reason is false.

Irrigation is considered to be the major source of agriculture. The major sources of irrigation are from canals, tanks, wells and tubes but dams are used only to store large water for later use.

7. **Assertion :** Multi-purpose projects help to control floods by regulating water flow.

Reason : Dams are constructed to conserve water.

Ans : (b) Both assertion and reason are true but reason is not the correct explanation of assertion.

Multi-purpose projects include dam which helps us in conserving and managing water. Floods occur due to very rainfall. Building dams in most of our river basins helps in controlling floods as it helps in storing and regulating water resource. Thus both are true, but the reason does not justify the answer.

8. **Assertion :** Growing Population is the main reason for water scarcity.

Reason : Irrigation from tube wells and canals is responsible for water scarcity.

Ans : (c) Assertion is true but reason is false.

Water is utilized on large basis because, increasing population requires more water for cooking, washing and bathing. Irrigation is not a major contributor. Thus, the assertion is true but the reason is not.

9. **Assertion :** Ground water a highly overused resource.

Reason : Ground water is used for domestic and drinking purpose.

Ans : (a) Both assertion and reason are true and reason is the correct explanation of assertion.

Ground water a highly' overused resource as it used for domestic purpose and drinking purpose. Huge population mainly depends upon the ground water for basic requirements

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