

CBSE CLASS X

Social Science (087)

QUESTION PAPER

From previous CBSE Board Exam questions

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Questions: 26

Maximum Marks: 67

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SELECTIONS USED

Source	Previous-year board
Subject	Social Science
Lessons	Water Resources
Year	2022-2026
Questions selected	26

Composition — Types: 12 MCQ · 7 source_based · 4 Long · 2 Short · 1 fill_in_blank

Q1. § Introduction

[5]

How can the industrial pollution of fresh water be reduced ? Explain with examples.

Previously asked in: 2023 32/6/1 Q31(a)

♦ Water Resources

Industrial Pollution of Fresh Water and Its Reduction

Q2. § Introduction

§ MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT

§ BAMBOO DRIP [5]

IRRIGATION SYSTEM

Describe any five steps taken to save fresh water from industrial pollution.

Previously asked in: 2024 32/4/1 Q31(b)

♦ Water Resources

Industrial Pollution and Freshwater Conservation

Q3. § Introduction

§ WATER SCARCITY AND THE NEED FOR WATER CONSERVATION AND MANAGEMENT

[3]

Explain any three factors responsible for water pollution.

Previously asked in: 2025 32/6/1 Q28(a)

♦ Water Resources

Factors Responsible for Water Pollution

Q4. § Introduction

§ WATER SCARCITY AND THE NEED FOR WATER CONSERVATION AND MANAGEMENT

[3]

How have industrialisation and urbanisation impacted water supply? Explain.

Previously asked in: 2025 32/3/1 Q26

♦ Water Resources

Impact of Industrialisation and Urbanisation on Water Supply

Q5. § Introduction

§ WATER SCARCITY AND THE NEED FOR WATER CONSERVATION AND MANAGEMENT

[5]

Recent evidence suggests that overuse of groundwater is threatening sustainable development. Analyse the statement in the context of sustainability of development.

Previously asked in: 2025 32/1/1 Q33(a)

♦ Water Resources

Overuse and depletion of groundwater

Sustainability of water resources and sustainable development

Q6. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT § BAMBOO DRIP IRRIGATION SYSTEM [1]

Match the Column – A with Column – B and choose the correct option :

Column – A (River): I. Mahanadi II. Narmada III. Chambal IV. Chenab

Column – B (Dam): 1. Sardar Sarovar 2. Hirakud 3. Salal 4. Rana Pratap Sagar

(A) I-4, II-3, III-2, IV-1

(B) I-3, II-4, III-1, IV-2

(C) I-2, II-1, III-4, IV-3

(D) I-1, II-2, III-3, IV-4

Previously asked in: 2023 32/6/1 Q6

♦ Water Resources

Major Dams and Associated Rivers in India

Q7. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT [1]

In which of the following States Tungabhadra Dam is located ?

A Tamil Nadu

B Kerala

C Andhra Pradesh

D Karnataka

Previously asked in: 2023 32/1/1 Q6

♦ Water Resources

Major Dams and Multipurpose River Projects in India

Q8. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT [1]

Match Column-I with Column-II and choose the correct option :

Column-I (Dam): a. Sardar Sarovar b. Salal c. Gandhi Sagar d. Hirakud

Column-II (River): i. Mahanadi ii. Chambal iii. Narmada iv. Chenab

(A) a-ii b-i c-iv d-iii

(B) a-iii b-iv c-i d-ii

(C) a-iii b-iv c-ii d-i

(D) a-i b-iii c-iv d-ii

Previously asked in: 2025 32/5/1 Q8

♦ Water Resources

Major Dams and their Associated Rivers in India

Q9. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT [1]

Choose the correct option to fill the blank. An artificial lake built in the 11th century for water conservation is _____.

(A) Sambhar Lake

(B) Wular Lake

(C) Bhopal Lake

(D) Chilka Lake

Previously asked in: 2025 32/5/1 Q7

♦ Water Resources

Traditional water conservation structures – artificial lakes

Q10. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT**[1]**

Arrange the location of the following dams of India from North to South and choose the correct option :

I. Pravara; II. Salal; III. Koyna; IV. Gandhi Sagar

- (A) II, IV, III, I
- (B) II, IV, I, III
- (C) III, II, IV, I
- (D) III, IV, II, I

Previously asked in: 2026 32/3/1 Q13

♦ Water Resources

Major Dams and Reservoirs of India - Location and Distribution

Q11. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT**[1]**

Match Column I with Column II and choose the correct option.

Column I (Dams): i. Sardar Sarovar, ii. Hirakud, iii. Bhakra Nangal, iv. Nagarjuna Sagar

Column II (Rivers): a. Sutlej, b. Krishna, c. Narmada, d. Mahanadi

- (A) i-a, ii-b, iii-c, iv-d
- (B) i-b, ii-a, iii-d, iv-c
- (C) i-c, ii-d, iii-b, iv-a
- (D) i-c, ii-d, iii-a, iv-b

Previously asked in: 2024 32/4/1 Q6

♦ Water Resources

Major Dams and their Rivers in India

Q12. § WATER SCARCITY AND THE NEED FOR WATER CONSERVATION AND MANAGEMENT§ MULTI-PURPOSE RIVER PROJECTS **[5]**

AND INTEGRATED WATER RESOURCES MANAGEMENT

How has the overuse of underground water created a serious crisis in many parts of India ? Explain with examples in the context of sustainable development. (2+3=5)

Previously asked in: 2025 32/2/1 Q33(b)

♦ Water Resources

Groundwater Crisis and Sustainable Development

Need for Water Conservation and Management

Overuse and depletion of groundwater

Q13. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT**[1]**

Choose the correct option of the states that have been majorly benefitted by the Sardar Sarovar Dam.

- A Rajasthan, Gujarat, Punjab and Haryana
- B Maharashtra, Madhya Pradesh, Gujarat and Rajasthan
- C Maharashtra, Madhya Pradesh, Telangana and Andhra Pradesh
- D Madhya Pradesh, Rajasthan, Karnataka and Chhattisgarh

Previously asked in: 2025 32/2/1 Q8

♦ Water Resources

Sardar Sarovar Dam and beneficiary states

Q14. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT § BAMBOO DRIP IRRIGATION SYSTEM [1]

Match Column I with Column II and choose the correct option :

Column I (River): a. Chambal, b. Ganga, c. Chenab, d. Satluj

Column II (Dam): i. Salal, ii. Bhakra Nangal, iii. Gandhi Sagar, iv. Tehri

A a-ii, b-iii, c-i, d-iv

B a-ii, b-iii, c-iv, d-i

C a-iii, b-iv, c-i, d-ii

D a-iii, b-iv, c-ii, d-i

Previously asked in: 2025 32/2/1 Q7

◆ Water Resources

Dams and Rivers – Match the Following (Salal, Bhakra Nangal, Gandhi Sagar, Tehri)

Q15. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT [1]

Match Column I with Column II and choose the correct option :

Column I (Dam) — Column II (River)

a. Hirakud — i. Chambal

b. Gandhi Sagar — ii. Krishna

c. Nagarjuna Sagar — iii. Kaveri

d. Mettur — iv. Mahanadi

(A) a-iv, b-i, c-iii, d-ii

(B) a-i, b-ii, c-iv, d-iii

(C) a-iv, b-i, c-ii, d-iii

(D) a-i, b-ii, c-iii, d-iv

Previously asked in: 2025 32/1/1 Q7

◆ Water Resources

Dams and their associated rivers in India

Q16. § WATER SCARCITY AND THE NEED FOR WATER CONSERVATION AND MANAGEMENT § MULTI-PURPOSE RIVER PROJECTS [4]
AND INTEGRATED WATER RESOURCES MANAGEMENT § RAINWATER HARVESTING

Pradhan Mantri Krishi Sinchayee Yojana

Floods have not only devastated life and property but also caused extensive soil erosion. Sedimentation also meant that the flood plains were deprived of silt, a natural fertilizer, further adding on to the problem of land degradation. It was also observed that the multipurpose projects induced earthquakes, caused water-borne diseases and pests and pollution resulting from excessive use of water.

Irrigation has also changed the cropping pattern of many regions with farmers shifting to water intensive and commercial crops. This has great ecological consequences like salinisation of the soil.

Pradhan Mantri Krishi Sinchayee Yojana has been started which ensures access to some means to protective irrigation for all agricultural farms in the country, thus bringing much desired rural prosperity. Some of the broad objectives of this programme are to enhance the physical access of water on the farm and expand cultivable area under assured irrigation (har khet ko pani), improve on farm water, use efficiency to reduce wastage and increase availability both in duration and extent, irrigation and other water saving technologies (per drop more crop) and introduce sustainable water conservation practices, etc.

Read the given source carefully and answer the questions that follow :

18.1 Explain the role of floods in land degradation. [1]

18.2 How has irrigation changed cropping pattern ? [1]

18.3 Explain any two objectives of the 'Pradhan Mantri Krishi Sinchayee Yojana'. [2]

Previously asked in: 2026 32/5/1 Q18

♦ **Water Resources**

Impact of irrigation on cropping patterns

Pradhan Mantri Krishi Sinchayee Yojana – objectives and significance

Role of floods in land degradation and soil erosion

Q17. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT [4]

Sardar Sarovar Project

Sardar Sarovar Dam has been built over the Narmada river in Gujarat. This is one of the largest water resources projects of India covering four states – Maharashtra, Madhya Pradesh, Gujarat and Rajasthan. The Sardar Sarovar Project would meet the requirement of water in drought prone and desert areas. Sardar Sarovar Project will provide irrigation facilities to 18.45 lakh hectare of land, covering 3112 villages in 15 districts of Gujarat. It will also irrigate 2,46,000 hectare of land in the strategic desert districts of Barmer and Jalore in Rajasthan and 37,500 hectare in the tribal hilly tract of Maharashtra through lift. About 75% of the command area in Gujarat is drought prone while entire command in Rajasthan is drought prone. Assured water supply will soon make this area drought proof.

Read the given source and answer the questions that follow :

18.1 Why is Sardar Sarovar Project considered important for Gujarat ? [1]

18.2 Why is Sardar Sarovar Project designed to cover four states ? [1]

18.3 In what ways does this project promote sustainability ? [2]

Previously asked in: 2026 32/4/1 Q18

♦ **Water Resources**

Multipurpose River Projects (Sardar Sarovar Dam on Narmada)

Sustainable use of water resources

Q18. § RAINWATER HARVESTING**[4]**

In ancient India, along with the sophisticated hydraulic structures, there existed an extraordinary tradition of water-harvesting system. People had an in-depth knowledge of rainfall regimes and soil types and developed wide ranging techniques to harvest groundwater, rainwater, river water and flood water in keeping with the local ecological conditions and their water needs. In hilly and mountainous regions, people built diversion channels like the kuls and guls of Western Himalayas for agriculture. Rooftop rainwater harvesting was very commonly practised to store drinking water, particularly in Rajasthan.

Read the given extract and answer the questions that follow :

(35.1) Mention any two methods of traditional water-harvesting used in India. [1]

(35.2) How do people of Rajasthan utilise rainwater ? [1]

(35.3) Explain any two benefits of rainwater harvesting. [2]

Previously asked in: 2023 32/5/1 Q35

♦ **Water Resources**

Benefits of Rainwater Harvesting

Rainwater Harvesting in Rajasthan (Khadins and Rooftop Harvesting)

Traditional Water-Harvesting Systems in India

Q19. § RAINWATER HARVESTING**[4]****RAINWATER HARVESTING**

Many thought that given the disadvantages and rising resistance against the multi purpose projects, water harvesting system was a viable alternative, both socio-economically and environmentally. In ancient India, along with the sophisticated hydraulic structures, there existed an extraordinary tradition of water harvesting system. People had in-depth knowledge of rainfall regimes and soil types and developed wide ranging techniques to harvest rainwater, groundwater, river water and flood water in keeping with the local ecological conditions and their water needs. In hill and mountainous regions, people built diversion channels like the 'guls' or 'kuls' of the Western Himalayas for agriculture. 'Rooftop rainwater harvesting' was commonly practised to store drinking water, particularly in Rajasthan. In the flood plains of Bengal, people developed inundation channels to irrigate their fields. In arid and semi-arid regions, agricultural fields were converted into rain fed storage structures that allowed the water to stand and moisten the soil like the 'khadins' in Jaisalmer and 'Johads' in other parts of Rajasthan.

Read the given source and answer the questions that follow :

(I) Why is water harvesting system a viable alternative ? [1]

(II) Describe the process of 'rooftop rainwater harvesting.' [1]

(III) Mention any two methods adopted by ancient India for water conservation. [2]

Previously asked in: 2023 32/4/1 Q35

♦ **Water Resources**

Ancient Water Conservation Methods in India

Rainwater Harvesting as a Viable Alternative

Rooftop Rainwater Harvesting

Q20. § RAINWATER HARVESTING § BAMBOO DRIP IRRIGATION SYSTEM**[1]**

Which one of the following is the irrigation system in Meghalaya ?

- (A) To irrigate land only during rainy season.
- (B) To use large volumes of water for irrigation.
- (C) To remove water from soil.
- (D) To use bamboo drip irrigation system.

Previously asked in: 2024 32/3/1 Q8

♦ Water Resources Traditional Rainwater Harvesting and Irrigation Systems

Q21. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT § BAMBOO DRIP IRRIGATION SYSTEM **[1]**

In which Indian state is 'Bamboo drip irrigation' system used ?

- A Himachal Pradesh
- B Kerala
- C Rajasthan
- D Meghalaya

Previously asked in: 2026 32/2/1 Q11

♦ Water Resources Bamboo Drip Irrigation System in Meghalaya

Q22. § BAMBOO DRIP IRRIGATION SYSTEM**[1]**

In which one of the following states is 'bamboo drip irrigation system' prevalent ?

- (A) Tamil Nadu
- (B) West Bengal
- (C) Meghalaya
- (D) Odisha

Previously asked in: 2024 32/5/1 Q6

♦ Water Resources Bamboo Drip Irrigation System

Q23. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT § RAINWATER HARVESTING [4]**FLOODS**

Basic safety Precautions To Be Taken :

- Listen to radio/TV for the latest weather bulletins and flood warnings. Pass on the information to others.
- Make a family emergency kit which should include; a portable radio/transistor, torch, spare batteries, a first aid box along with essential medicines, ORS, dry food items, drinking water, matchboxes, candles and other essential items.
- Keep hurricane lamp, ropes, rubber tubes, umbrella and bamboo stick in your house. These could be useful.
- Keep your cash, jewellery, valuables, important documents etc. in a safe place.
- If there is a flood, move along with your family members and cattle to safe areas like relief camps, evacuation centers, elevated grounds where you can take shelter.
- Turn off power and gas connections before leaving your house.

During floods :

- Don't enter into flood waters; it could be dangerous.
- Don't allow children to play in or near flood waters.
- Stay away from sewerage line, gutters, drains, culverts etc.
- Be careful of snakes; snakebites are common during floods.
- Stay away from electric poles and fallen power-lines to avoid electrocution.
- Don't use wet electrical appliances-get them checked before use.
- Eat freshly cooked and dry food. Always keep your food covered.
- Use boiled and filtered drinking water.
- Keep all drains, gutters near your house clean.
- Stagnation of water can breed vector/water-borne diseases. In case of sickness, seek medical assistance.
- Use bleaching powder and lime to disinfect the surroundings.

Read the following source carefully and answer the questions that follow :

35.1 Mention any two essential items that should be included in a 'family emergency kit'. [1]

35.2 Why are the items of family emergency kit important during flood situation ? [1]

35.3 In case of a flood, what are the recommended actions to ensure the safety of your family and belongings ? Describe any two. [2]

Previously asked in: 2024 32/1/1 Q35

♦ **Water Resources**

Reading a factual/informational passage and answering questions (source-based comprehension)

Q24. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT § BAMBOO DRIP IRRIGATION SYSTEM [1]

Choose the correctly matched pair :

I (Multi-purpose River Project) — II (River)

- A Gandhi Sagar — Chambal
- B Hirakud — Godavari
- C Nagarjuna Sagar — Kaveri
- D Salal — Beas

Previously asked in: 2025 32/6/1 Q20

♦ **Water Resources**

Multi-purpose River Projects and Associated Rivers

Q25. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT**[4]**

Most of the objections to the projects arose due to their failure to achieve the purposes for which they were built. Ironically, the dams that were constructed to control the floods have triggered floods due to sedimentation in the reservoir. Moreover, the big dams have mostly been unsuccessful in controlling floods at the time of excessive rainfall. You may have seen or read how the release of water from the dams during heavy rains aggravated the flood situation in Maharashtra and Gujarat in 2006. The floods have not only devastated life and property but also caused extensive soil erosion. Sedimentation also meant that the flood plains were deprived of silt, a natural fertiliser, further adding on to the problem of land degradation. It was also observed that the multi-purpose projects induced earthquakes, caused water-borne diseases and pests and pollution resulting from excessive use of water.

Read the given source and answer the questions that follow :

(35.1) Name the movement against the river project in Gujarat. [1]

(35.2) How have the big dams mostly been unsuccessful in controlling floods at the time of excessive rainfall ? [1]

(35.3) Analyse any two merits of multi-purpose river projects. [2]

Previously asked in: 2023 32/2/1 Q35

♦ Water Resources

Merits of Multi-purpose River Projects

Multi-purpose River Projects – Objections and Controversies

Narmada Bachao Andolan

Q26. § MULTI-PURPOSE RIVER PROJECTS AND INTEGRATED WATER RESOURCES MANAGEMENT § RAINWATER HARVESTING **[4]****FLOODS**

Basic safety precautions to be taken :

- Listen to radio/TV for the latest weather bulletins and flood warnings. Pass on the information to others.
- Make a family emergency kit which should include, a portable radio/transistor, torch, spare batteries, a first aid box along with essential medicines, ORS, dry food items, drinking water, matchboxes, candles and other essential items.
- Keep hurricane lamp, ropes, rubber tubes, umbrella and bamboo stick in your house. These could be useful.
- Keep your cash, jewellery, valuables, important documents etc. in a safe place.
- If there is a flood, move along with your family members and cattle to safe areas like relief camps, evacuation centers, elevated grounds where you can take shelter.
- Turn off power and gas connections before leaving your house.

During Floods

- Don't enter into flood waters; it could be dangerous.
- Don't allow children to play in or near flood waters.
- Stay away from sewerage line, gutters, drains, culverts etc.
- Be careful of snakes; snakebites are common during floods.
- Stay away from electric poles and fallen power-lines to avoid electrocution.
- Don't use wet electrical appliances, get them checked before use.
- Eat freshly cooked and dry food. Always keep your food covered.
- Use boiled and filtered drinking water.
- Keep all drains, gutters near your house clean.
- Stagnation of water can breed vector/water-borne diseases. In case of sickness, seek medical assistance.
- Use bleaching powder and lime to disinfect the surroundings.

Read the given source carefully and answer the questions that follow :

18.1 Suggest one precaution before using water after floods. [1]

18.2 Mention any two measures related to protection of food items during floods. [1]

18.3 Suggest two actions to be taken before leaving the house during a flood warning. [2]

Previously asked in: 2026 32/1/1 Q18

♦ **Water Resources**

Floods - disaster management and safety precautions

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