

CBSE • CLASS 10 • SOCIAL SCIENCE

GEOGRAPHY

CHAPTER 03

Water Resources



NCERT SOLUTIONS



WATER SCARCITY: CLASSIFICATION

Q. 1(i) Based on the information given below classify each of the situations as 'suffering from water scarcity' or 'not suffering from water scarcity':

(a) Region with high annual rainfall.

Answer: Not suffering from water scarcity.

Why: Rainfall normally provides enough water, assuming it is usable and accessible.

(b) Region having high annual rainfall and large population.

Answer: Suffering from water scarcity.

Why: A large population creates high demand and pressure on water supplies.

(c) Region having high annual rainfall but water is highly polluted.

Answer: Suffering from water scarcity.

Why: Polluted water may be unsafe even when it is abundant.

(d) Region having low rainfall and low population.

Answer: Not suffering from water scarcity, if supply meets the small population's needs.

Why: Low demand can balance limited water availability.

MULTI-PURPOSE RIVER PROJECTS

Q. 1(ii) Which one of the following statements is not an argument in favour of multi-purpose river projects?

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

ANSWER (c) Large-scale displacement and loss of livelihood.

Why: This is a disadvantage because people may lose their homes, land and sources of income.

CORRECT THE FALSE STATEMENTS

Q. 1(iii)(a)

Identify the mistake and rewrite the false statement correctly.

Multiplying urban centres with large and dense populations and urban lifestyles have helped in proper utilisation of water resources.

Mistake: 'Helped in proper utilisation' is incorrect.

CORRECT STATEMENT

Multiplying urban centres with large, dense populations and urban lifestyles have increased water and energy demand. Excessive groundwater extraction has worsened water scarcity and depleted water resources.

Q. 1(iii)(b)

Identify the mistake and rewrite the false statement correctly.

Regulating and damming of rivers does not affect the river's natural flow and its sediment flow.

Mistake: 'Does not affect' is incorrect.

CORRECT STATEMENT

Regulating and damming rivers affect their natural flow and sediment flow. Sediment accumulates in reservoirs, and less reaches downstream areas. These changes also harm aquatic habitats.

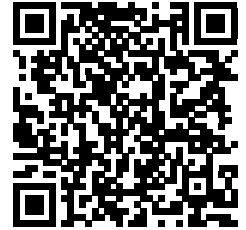


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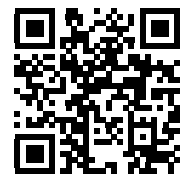


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