

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों का इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

5) Climate resilient sanitation technologies need to be developed so that it helps in protecting the groundwater aquifers. Elaborate.

↳ Poor Sanitation impacts human well being and quality of life and result in opportunities for Education and Employment.

Poor Sanitation → Inadequate faecal sludge
→ Septage Management

Affecting Human Health. Polluting Underground water. Spread of human waste into water bodies.

so Protecting Groundwater through safe Sanitation.

↳ Government Initiatives on Safe Sanitation.

↳ Swachh Bharat Mission (SBM) about 109 million individual household latrines have been constructed in rural areas and 6.2 million toilets in Urban Areas.

SBM Grameen ⇒ Under Jal Jeevan Mission about 99.6 % of rural households with access to toilets,

SBM Urban ⇒ A Unique aspect of the Programme was the availability of water in toilets being checked during Open Defecation Free ⇒ ODF, ODF+, ODF++ and water + certification Process.

↳ Sanitation and India

Microbial water quality in groundwater and water borne diseases are linked with poor

household sanitation in India.

↳ Sanitation development in India has reportedly led to significant reduction in groundwater faecal coliform concentration during 2002-2017

↳ National Health Profile of India 2019, there has been a significant decrease in the number of diarrhoeal ailments between 2001 and 2018

↳ The goal of complete eradication of faecal pollution, clean Potable water from underground sources is yet to be achieved.

↳ Way Forward

↳ In order to achieve Sustainable Development Goals (SDG) 6-B on Sanitation and Hygiene, we need to work on average 4 times faster.

↳ Ongoing Swachh Bharat Mission Programme can be strengthened further. Integration of services and synergy between these agencies for testing of groundwater quality saves a lot of time and resources.

↳ Upcoming National Framework on Safe Reuse of Treated Water of India links the Existing and Proposed policies on Sanitation and faecal Sludge Management.

↳ Climate Resilient-Sanitation technologies need to be developed so that-septic tanks and sewerage systems not affected by frequent floods