

Question Bank
B.Sc. (Part-III) Semester VI
GEOLOGY (Paper-XV)
Environmental Geology

- i) Volcano becomes more hazardous due to its _____ .
a) composition b) pressure c) **temperature**
- ii) India accounts for 15% of the world population and about _____ of the world's water resources.
a) 15% b) 40% c) **4%**
- i) _____ plays an important role in the prevention of landslide .
a) **Vegetation on slope** b) temperature c) surface water flow
- ii) For groundwater investigation _____ method is most suitable.
a) magnetic b) gravity c) **electrical resistivity**
- iii) The current National Water Policy was reviewed and updated in _____ .
a) 2002 b) 1987 c) **2012**
- iv) Movement of debris or sediments on the earth along the slope is called as _____ .
a) seepage b) earthquake c) **landslide**
- vi) The giant seismic sea waves are called as _____ .
a) tornado b) **tsunami** c) flood
- vii) Impact of open cast mining is more on environment due to _____ .
a) **deforestation** b) dumping c) landslide
- viii) The most important source of ground water is _____ .
a) magmatic water b) **meteoric water** c) connate water
- v) Overflow of large amount of water over the banks of a river is termed as _____ .
a) tsunami b) waterlogging c) **flood**
- vi) Fractures in the rocks, is a kind of _____ porosity.
a) primary b) **secondary** c) inherent
- vii) The maximum quantity of water to meet predetermined quality requirements at least cost refers to _____ .
a) **water management** b) water mobility c) water scarcity
- i) Impact of open cast mining is more on environment due to _____ .
a) **deforestation** b) dumping c) landslide
- ii) Test drilling is used for _____ investigation of groundwater.
a) surface b) aerial c) **subsurface**
- vii) The first National Water Policy was adopted in _____ .
a) September, 2002 b) September, 2012 c) **September, 1987**
- viii) Movement of debris or sediments on the earth along the slope is called as _____ .
a) seepage b) earthquake c) **landslide**
- viii) The science which deals with the interrelationship of various earth processes, their consequences and effects of activities of man on environment is _____ .
a) ecology b) **environmental geology** c) geomorphology
- iii) The first National Water Policy was adopted in _____ .
a) September, 2002 b) **September, 1987** c) September, 2012
- iv) The phenomenon of global warming is due to _____ .

- a) volcanic activity b) earthquake activity c) **pollution**
- v) _____ plays an important role in the prevention of landslide.
a) temperature b) **vegetation on slope** c) surface water flow
- iii) _____ plays an important role in prevention of the landslide .
a) **Vegetation on slope** b) temperature c) surface water flow
- iv) Overflow of large amount of water over the banks of a river is termed as _____ .
a) tsunami b) waterlogging c) **flood**
- v) India accounts for about _____ of the world's water resources.
a) **04 %** b) 40 % c) 15
- vi) Recently, National Water Policy was reviewed and updated in _____ .
a) 2002 b) 1987 c) **2012**
- i) 99.5% of earth's ----- is present as large reservoir in the form of oxide and silicate minerals of the crust and mantle.
a) nitrogen b) oxygen c) carbon d) CO₂
- ii) The ozone layer is present in -----.
a) stratosphere b) biosphere c) lithosphere d) hydrosphere
- iii) Soil stores ----- of carbon.
a) 73% b) 83% c) 85% d) 50%
- iv) Carbon dioxide + water + solar energy = -----.
a) Oxygen + Nitrogen b) Oxygen + H₂O
c) Glucose + Oxygen d) nitrogen+H₂O₃
- v) ----- is a term used to identify a condition when the air has a combination of fog and smoke.
a) chemical smog b) photochemical smog
c) smog d) None of these
- vi) The giant seismic sea waves are called as _____ .
a) tornado b) tsunami c) flood d) None of these
- vii) Impact of open cast mining is more on environment due to _____ .
a) deforestation b) dumping c) landslide d) None of these
- viii) The light rays which fall below the violet colour, are called ----- rays.
a) visible b) ultraviolet c) infrared d) cosmic
- i) b) oxygen
ii) a) stratosphere
iii) a) 73%
iv) c) Glucose + Oxygen
v) c) smog
vi) b- tsunami
vii) a- deforestation
viii) b) ultraviolet
- ix) i) Ozone is a molecule containing ----- oxygen atoms.
a) one b) two c) three d) four
- xi) ii) Most of droughts occurs in areas located between ----- north and south latitudes.
a) 5⁰ and 10⁰ b) 10⁰ and 15⁰ c) 15⁰ and 20⁰ d) 20⁰ and 25⁰
- xiii) iii) Cyclones are known as ----- in the North Pacific ocean.
xiv) a) hurricanes b) typhoons c) twister d) tsunami

- iii) a- vegetation on slope
- iv) c- flood
- v) b) volcanoes
- vi) a) low
- vii) c) desertification
- viii) b) eco

2. Attempt **any TWO** of the three sub-questions : (16)

- A) Describe the hazards in coastal regions. Add a brief note on volcanic hazards.
- A) Describe the traditional and modern techniques of rain water harvesting.
- A) Describe the traditional and modern techniques of rain water harvesting.
- B) Define natural hazards. Describe earthquake hazards in detail.
- B) Write a note on scope and fundamental concepts in environmental geology.
- B) Describe the scope of environmental geology.
- A) Write a brief note on Geological Hazards.
- B) Describe the Global Environments in brief.
- C) Define watershed. Describe watershed management in detail.
- A) Write a brief note on Earth and its spheres.
- B) Describe the Global Environments in brief.
- C) Write an essay on management of water resources.
 - A) Describe global environments. Write detailed notes on coastal and riverine environments.
 - B) Define natural hazards. Describe earthquake and volcanic hazards in detail.
 - C) Describe Earth spheres. Describe hydrosphere and lithosphere in detail.
- C) Describe the need and important aspects of National Water Policy.
- C) Write an essay on surface and groundwater management.
- C) Define watershed. Describe watershed management in detail.

3. Write short notes on **any four** : (16)

- a) Environmental health hazards related to mining.
- b) Hydrological cycle.
- c) Darcy's Law.
- a) Man-made hazards related to mining activity.
- b) Hazards occurred due to over exploitation of surface water and ground water and oil spills.
- c) Floods.
- a) Flood hazards.
- b) Volcanic hazards.
- c) Coastal hazards.
- d) Man-made hazards related to mining activity.
- e) Watershed management.
- f) Hydrological cycle.
- d) National Water Policy.
- e) Budgeting of water.

- f) Coastal hazards.
 - a) Atmosphere.
 - b) Hydrosphere.
 - c) Lithosphere.
 - d) Biosphere.
 - e) Solar radiation.
 - f) Landuse planning.
 - a) Concept of global warming and climate change.
 - b) Earthquake hazards.
 - c) Volcanic hazards.
 - d) Landslide hazards.
 - e) Energy resources.
 - f) Flood hazards.
 - g) Flood hazards.
 - h) Energy resources.
 - i) Coastal hazards.
 - j) Land reclamation.
 - k) Watershed management.
 - f) Atmosphere.
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- f) Modern methods of rain water harvesting.
 - g) Traditional methods of rain water harvesting.
 - h) Aspects of environmental health hazards related to surface water.
