

SECTION - D

HS-103 (Disaster Management & Environmental Science)
B. Tech. 2nd (CBCS)

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt only one question from each Section A, B, C & D. Section E is compulsory. Assume any missing data.

SECTION - A

1. What are the causes behind the occurrence of cyclones? Discuss the effects of cyclones. (10)
2. Explain the effect of the following Natural disasters:-
 - (a) Earthquake.
 - (b) Avalanche. (2×5=10)

SECTION - B

3. Discuss in details the action plan and the key functions of post disaster relief & logistic management, with the help of suitable example. (10)
4. Explain the role of government agencies involved in disaster management and mitigation. (10)

SECTION - C

5. List various types of renewable sources of energy. Discuss the effect of renewable sources in sustainability of life. (10)
6. Briefly discuss the advantages and disadvantages of construction and operation of dams. (10)

7. Briefly discuss the role played by human beings in causing global warming. What are the consequences of global warming? (10)

8. Discuss the following:-

- (a) Greenhouse effect.
- (b) Change in the use of energy sources. (2×5=10)

SECTION - E (Compulsory)

9. (a) What is an environmental disaster?
(b) What is meant by anthropogenic disasters?
(c) List some factors that cause droughts.
(d) Define community involvement in disaster management.
(e) What is an earthquake warning system?
(f) Discuss the role of remote sensing in disaster management.
(g) Explain the ill-effects of mining.
(h) Discuss the causes of air pollution.
(i) Discuss the effects of Nuclear hazards.
(j) Explain the global environment crisis. (10×2=20)