

Roll No. :

Total No. of Questions : 13]

[Total No. of Printed Pages : 3

SEM2010

M.Sc. (IInd Semester) Examination, 2021

ENVIRONMENTAL SCIENCE

Paper - ES-202

(Desert Ecology)

Time : 1½ Hours]

[Maximum Marks : 40

Note :- The question paper contains three Sections.

Section-A

(Marks : 1 × 10 = 10)

Note :- Answer all the *ten* questions carries 1 mark each. The answer should not exceed **50** words.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer *five* questions by selecting at least *one* question from each Unit. Each question carries **3** marks. Answer should not exceed **200** words.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer *three* questions by selecting *one* question from each Unit. Each question carries **5** marks. The answer should not exceed **500** words.

Section-A

1. (i) Define Desertification.
- (ii) Write any *two* famous Cold Deserts.

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- (iii) What is Drought ?
- (iv) What are Sand Dunes ?
- (v) Name *two* endangered animals of the Indian Desert.
- (vi) What do you mean by Migration ?
- (vii) Give any *two* examples of Succulent Plants.
- (viii) Which is the Largest hot desert in the world and where is it situated ?
- (ix) Write any *two* desert adaptations in plants.
- (x) What is dry land farming ?

Section-B

Unit-I

- 2. Write a note on types of Deserts.
- 3. Write the names and important features of hot desert of the world and their distribution.
- 4. Write a short note on cause of Desertification.

Unit-II

- 5. Write a note on flora of Desert Ecosystem.
- 6. Describe the Desert Adaptations in Animals.
- 7. Write a note on Aridity Index.

Unit-III

- 8. Write a note on water bodies of arid land.
- 9. Write a note on Saline tracts of the Rajasthan.
- 10. Describe the traditional means of water conservation in semi-arid region of India.

Section–C

Unit–I

11. Define desert and also write a note on Geographical distribution of Desert in India.

Or

Describe major types and their distribution of Cold Desert of the World.

Unit–II

12. Write notes on the following :
- (a) Geomorphology of Indian Desert
 - (b) Desert adaptations in plants

Or

Discuss on endangered plant species of Indian Desert.

Unit–III

13. Write the impact of canal irrigation on the ecology of the Indian Desert.

Or

Discuss on modern approaches in management of desert.