647510 **MSC3BotC313x** **Seat No :_____**

M.Sc. (Botany) Semester - 3 (*CBCS*) Examination
DEC/JAN. - 2020 - [NEW COURSE]
Plant Ecology (Core (New))

Time: 1:30 Hours **Marks: 42**

Instructions:

1. Figure to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

Q. 1 Answer the following: (Any Seven) **14**

1. Define desertification.
2. What is genetic diversity?
3. Give names of the Indian biodiversity hotspots.
4. What is Ecological Niche?
5. What is soil profile?
6. What is food chain?
7. What is EIA?
8. Write a basic principle of remote sensing.
9. What is ozone hole?
10. What is PBR?

Q. 2 Answer the following: (Any Two) **14**

1. Describe composition and origin and formation of soil.
2. Discuss the terrestrial ecosystem.
3. What is phytoremediation? Write an account of various types of phytoremediation.

Q.3 Answer the following: (Any Two) **14**

1. Describe general process of succession.
2. Explain the analytical characters of plant community.
3. Describe the IUCN categories of threat.

Q.4 Answer the following: (Any Two) **14**

1 What is remote sensing and its applications?
2. Describe the process and impacts of desertification.
3. Write a note on GIS.

Q. 5 Answer the following: (Any Two) **14**

1. Explain species interaction.
2. Describe the various characteristics of population.
3. Write a note on limiting factors.

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