



**NCE-003-1142003**      Seat No. \_\_\_\_\_

**M. Sc. (Botany) (Sem. II) (CBCS) Examination**

**April / May - 2017**

**BOT-209 : Environmental Sciences**

*(New Course)*

**Faculty Code : 003**

**Subject Code : 1142003**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

**Instruction :** All questions are to be attended as per information.

**1**      Answer the following : (any seven) **14**

- (a) Give the name of primary and secondary air pollutants.
- (b) Write the name of metals act as water pollutants and its effects.
- (c) What is eutrophication?
- (d) Give difference between food chain and food web.
- (e) What are Tropical levels?
- (f) What are biotic and abiotic components of ecosystem?
- (g) What is ecological succession?
- (h) Where meteorology is used?
- (i) What is remote sensing?
- (j) What is microwave region?

**2**      Answer the following : (any two) **14**

- (a) Explain in detail sitting and exposure of meteorological instruments.
- (b) What is stratosphere? Explain in detail.
- (c) Explain composition of atmosphere in detail.

**3** Answer the following : (Compulsory Questions) **14**

(a) Explain types of community interactions in detail.

(b) Explain in detail pyramids of productivity.

**OR**

**3** Answer the following : (Compulsory Questions) **14**

(a) Give historical perspectives of botanical gardens.

(b) Explain adaptive mechanism used by plants in tropical rain forest.

**4** Answer the following : **14**

(a) Explain Electromagnetic radiation.

(b) Environment management in India.

**5** Answer the following : (any two) **14**

(a) Describe ozone depletion.

(b) Write a short note on clean development mechanism (CDM).

(c) Explain in detail types of instruments used for Meteorology.

(d) Application of GIS.

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