

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID : 180808

Roll No.

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B. TECH.

Theory Examination (Semester-VIII) 2015-16

**AGRICULTURAL STRUCTURES &
ENVIRONMENTAL CONTROL**

Time : 3 Hours

Max. Marks : 100

Note: Attempt each section.

Section-A

1. Attempt each short answer type questions. (10×2=20)

- (a) What do you mean by “farmstead”?
- (b) Name any eight farm implements for which sheds are necessary.
- (c) What are the sources of water supply for a farmstead?
- (d) Enumerate the requirement of good grain storage.

- (e) Give three important functions, that take place within septic tank.
- (f) What are the factors to decide most convenient location for farmstead?
- (g) List the source of power supply on Indian farms.
- (h) How will you ensure the equitable use of renewable and non renewable energy?
- (i) Define the term “Eco-system”.
- (j) What are the objectives of “EIA”?

Section-B

2. Attempt any five parts of the following. (10×5=50)

- (a) Discuss the conservation of biodiversity.
- (b) What is “Noise pollution”? Explain its control measures.
- (c) Explain the importance of community sanitation system (Sulabh sauchalaya).
- (d) Discuss the “bukhari type” grain storage structure.

- (e) What do you mean by fencing? Explain the barbed wire fencing.
- (f) Define “Silo”. Describe the permanent tower silo with a neat sketch.
- (g) Explain a “Stanchion barn” in detail showing the constructional details of each parts.
- (h) On what principle does a septic tank work? How will you design a septic tank for a family of 8 members?

Section-C

Note: Attempt any two parts of the following. (15×2=30)

- 3. (i) Discuss the construction and working of “Electrical fencing”?
- (ii) Calculate the cost of fencing of a square form of 25 hectares by barbed wire using R.C.C. posts. Make necessary assumptions.
- 4. (i) What is air pollution? Discuss its causes and remedial measures.

- (ii) Discuss the BOD (Biological oxygen demand) of food plant waste.
- 5.
- (i) Why the use of “alternate source of energy” is the need of now-a-day?
 - (ii) Discuss the scope importance and need for environmental control.

