

**B.TECH. SEM -VI (CIVIL ) 2014 COURSE (CBCS) : WINTER .  
2017**

**SUBJECT : ELECTIVE – I : GREEN CONSTRUCTION PRACTICES**

Day : **Friday**  
Date : **24/11/2017**

**W-2017-2191**

Time : **10.00 AM TO 01.00 PM**  
Max. Marks : 60

**N. B. ;**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Use of non-programmable calculator is **ALLOWED**.
- 4) Draw neat and labelled diagram **WHEREVER** necessary,
- 5) Assume suitable data, if necessary.

**Q. 1** What is Bruntland commission? Explain its relevance with sustainable development. (10)

**OR**

What were the objectives of UNFCCC? Explain its relevance with sustainable development. (10)

**Q. 2** Explain Environment Protection Act 1986 (10)

**OR**

What is Environment Impact Assessment? What are its goals? Explain. (10)

**Q. 3** What is the necessity of Green rating system in India? Explain LEED. (10)

**OR**

Write a note on: GRIHA rating system. (10)

**Q. 4** What is the importance of green building materials in the context of sustainable development? Explain. (10)

**OR**

What are various selection criteria for green building materials? Explain. (10)

**Q. 5** How bamboo is more useful as compared to other construction material? Explain different methods of protection of bamboo. (10)

**OR**

What is cob construction? What are its advantages in the context of environment protection / resource conservation? (10)

**Q. 6** In the context of sustainable development what is the necessity of recycle and reuse of construction materials? Explain. (10)

**OR**

Explain the process of manufacture and construction of recycled debris block. (10)

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