# C.U.SHAH UNIVERSITY
## Summer-2015

Subject Code: 4TE01EEM1/4TE01EEM2 **Subject Name: Environmental Engineering and Management**

Course Name:B.Tech                                    Date: 11/5/2015

Semester:I                                                   Marks: 70

                                                             Time:10:30 TO 01:30
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**Instructions:**
1) Attempt all Questions of both sections in same answer book/Supplementary.
2) Use of Programmable calculator & any other electronic instrument prohibited.
3) Instructions written on main answer book are strictly to be obeyed.
4) Draw neat diagrams & figures (if necessary) at right places.
5) Assume suitable & perfect data if needed.

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| Q-1 | | Attempt the following. | |
| | (a) | Define thermal pollution. | 04 |
| | (b) | Briefly explain water logging. | 04 |
| | (c) | What is sustainable development? | 04 |
| | (d) | Define deforestation. | 02 |
| | | Attempt any four | |
| Q-2 | (a) | What are the consequences of deforestation? How can you conserve forest? | 07 |
| | (b) | What are minerals? Enlist principal minerals of India and what are the effects on environment due to extraction of mineral resources? | 07 |
| Q-3 | (a) | Explain the effect of timber extraction, mining and dams on forests. | 04 |
| | (b) | Explain the use and overexploitation of the forest resourses.Discuss the effect of overpopulation on forest resources. | 05 |
| | (c) | Define land pollution and explain the causes of land pollution. | 05 |
| Q-4 | (a) | What are the objectives of ecological study? | 07 |
| | (b) | What are the consequences of deforestation? How can you conserve forest? | 07 |
| Q-5 | (a) | Describe the structure of atmosphere and tabulate the composition of atmosphere. | 04 |
| | (b) | What are the guiding principles of environmental education? | 05 |
| | (c) | Give reasons for validity of statements:"Environmental education is essential for Engineers". | 05 |
| Q-6 | (a) | Differentiate between:(i)Ecology and ecosystem.(ii)Food chain and Food web. | 07 |
| | (b) | Define food chain and discuss different tropical levels of it. | 07 |
| Q-7 | (a) | What is global warming?What are the impact of global warming? | 04 |
| | (b) | Define environment and environmental degradation? | 05 |
| | (c) | Write short note on: Lithosphere. | 05 |
| Q-8 | (a) | What is biome? Enlist different types of biome and explain any two. | 07 |
| | (b) | Write short note on 'Symbiosis'. | 07 |