

Code: 9ABS303

B.Tech II Year II Semester (R09) Supplementary Examinations December/January 2015/2016

ENVIRONMENTAL SCIENCE

(Common to CE, ME, IT, CSE, AE, BT & MCT)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 What is an environment? Enumerate and discuss the various segments of environment in brief.
- 2 As per the growing energy needs, discuss the importance of renewable resources against the conventional energy sources.
- 3 (a) What do you understand by food chain in an ecosystem?
(b) How does a complex food web protect the ecosystem from degradation?
- 4 (a) What do you understand by the term 'biodiversity'? Discuss in detail.
(b) What are the different services that are contributed in various ways by biodiversity?
- 5 (a) Oceans are ultimate sink for most of the waste we produce. Explain.
(b) List Offshore sources of marine pollution.
(c) Explain the effects of oil pollution on the ocean.
- 6 (a) Discuss the phenomenon of global warming along with its effects and control measures.
(b) What are the impacts of thermal pollution on global warming?
- 7 (a) Explain briefly the pattern of global population growth in recent years which is causing alarm to environmental experts.
(b) Discuss the role of information technology in environmental studies with relevance to India.
- 8 Explain the causes and effects of air pollution by describing any urban or industrial area that you have studied.
