

Code: 9ABS303

B.Tech II Year II Semester (R09) Supplementary Examinations May/June 2016

**ENVIRONMENTAL SCIENCE**

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

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Explain environmental science as multidisciplinary science.  
(b) What is the significance of environmental science in the current scenario?
- 2 (a) What are renewable and non-renewable resources? What are the problems associated with non-renewable resources?  
(b) What are the adverse environmental effects of extracting minerals?
- 3 (a) Define ecosystem. Explain structure and function of ecosystem.  
(b) What are the characteristic features, structure and function of forest ecosystems?
- 4 (a) What are the hot spots of biodiversity in India? Justify India as a mega-diversity nation.  
(b) What are the steps adopted for conservation of biodiversity?
- 5 (a) What are the causes and effects of Air and Water pollution?  
(b) What are the control measurements of nuclear hazards?
- 6 (a) What are the control measures taken up for soil pollution?  
(b) State the causes, effects and control measures of Urban and industrial wastes.
- 7 (a) Explain global warming and its impact on climate change.  
(b) What are the effects of ozone layer depletion?
- 8 (a) What is the role of information technology in environmental assessment? Give example.  
(b) Write a brief note on "Environmental protection Act".

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