

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: IMSC
BRANCH: CHEMISTRY

SEMESTER : VII
SESSION : MO/19

SUBJECT: TES1015 ENVIRONMENTAL AND NATURAL RESOURCE MANAGEMENT
TIME: 3 HOURS

FULL MARKS: 60

INSTRUCTIONS:

1. The question paper contains 7 questions each of 12 marks and total 84 marks.
 2. Candidates may attempt any 5 questions maximum of 60 marks.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) Explain the concept of level of organization in nature. [6]
Q.1(b) Signify the importance of population ecology and logistic growth equation. [6]
- Q.2(a) Predict the impacts of introducing exotic species on environment. [6]
Q.2(b) Criticize the benefits and ill effects of genetically modified plants with suitable examples. [6]
- Q.3(a) 'Eco-restoration is not possible without proper planning and management'. Justify the statement [6]
mentioning the steps for planning and management of eco-restoration.
Q.3(b) How a degraded wetland site can be ecologically restored? [6]
- Q.4(a) Justify why mega diversity countries are situated mostly in tropical region and enlist the benefits of [6]
biodiversity?
Q.4(b) 'Climate change is causing loss of coral biodiversity'-Justify and write the causes of coral reef [6]
destructions?
- Q.5(a) Elaborate the concept of sustainable development and Agenda 21. [6]
Q.5(b) Enlist the Millenium Development Goals and Sustainable Development Goals. [6]
- Q.6(a) Infer the significance of ecolabels. [6]
Q.6(b) Explain product stewardship? [6]
- Q.7(a) Discuss ISO 14000. [6]
Q.7(b) Analyze the importance of Corporate Social Responsibility. [6]

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