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Total Number of Pages: 2

B.PLAN
15BPLN404

4th Semester Regular Examination 2016-17
Ecology, Environmental and Resources Development

BRANCH: B.PLAN

Time: 3 Hours

Max Marks: 100

Q.CODE: Z302

Answer Part- A which is compulsory and any four from Part-B.
The figures in the right hand margin indicate marks.

Part – A (Answer all the questions)

Q1 Answer the following questions: *multiple type or dash fill up type* (2 x 10)

- a) The air and water (prevention and control of pollution) act was enacted in year _____ and _____.
- b) The most widely used standard on which an EMS is based is _____.
- c) In a food chain, generally _____% of energy is transferred from each level and the rest is used for _____.
- d) The core values of EIA are _____, _____ & _____.
- e) The focus of an acquisition audit is usually on _____ or _____ regarding environmental damage.
- f) In India, Administrative model of EIA was followed till year _____ & the process of public hearing legally introduced in India in year _____.
- g) In green homes, the energy savings could range from _____% and water savings around _____%.
- h) The goals of environmental management system (EMS) are to increase _____ and reduce _____.
- i) Abbreviation of IGBC is _____ & TERI is _____.
- j) The first rating programme developed in India, exclusively for the residential sector is _____ & is based on _____ principles.

Q2 Answer the following questions: *Short answer type* (2 x 10)

- a) Define Initial Environmental Examination (IEE)?
- b) Define Food chain & Food Web? <http://www.bputonline.com>
- c) Define Environmental Management System (EMS)?
- d) Brief out the aims of Environmental Impact Assessment?
- e) Discuss the PDCA cycle in an EMS model?
- f) Define Environmental management information system?
- g) What is the role of public hearing in EIA process?

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- h) Discuss the different green rating systems in India?
- i) What are the objectives of Environmental Audit?
- j) What are the benefits of green homes?

Part – B (Answer any four questions)

- Q3** a) Explain the concept, scope and aspects of environmental management plan (EMP)? (10)
- b) Discuss the different components of environmental management plan (EMP)? (5)
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- Q4** a) Explain the different steps being involved in the EIA process with relevant flowchart? (10)
- b) Discuss the different benefits of EIA process? (5)
- Q5** a) Discuss the national priorities being considered in a green home rating system? (10)
- b) Explain the scope and features of IGBC green homes? (5)
- Q6** a) Define Environmental risk assessment (ERA) and explain the different phases of ERA with a help of a flow chart? (10)
- b) Define Trophic levels and describe the food chain in one particular ecosystem? (5)
- Q7** a) What are the goals and features of environmental management system? (10)
- b) Discuss the different reasons for which the environmental indicators are used? (5)
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- Q8** a) Explain the different steps being carried out in an environmental audit process? (10)
- b) Elaborate the different types of environmental audit? (5)
- Q9** a) List out the major environmental laws dealing with protection of environment? Explain any two laws pertaining to Water and Air pollution category? (10)
- b) Explain the causes and effects of environmental degradation? (5)