

Code No: 3220105

SET - 1

II B. Tech II Semester Regular Examinations April/May 2009
ENVIRONMENTAL STUDIES
(Common to C.E, E.E.E, M.E, C.S.E, E.I.E, B.M.E, I.T, E.Con.E, B.O.T)

Time: 3 Hours

Max. Marks: 80

Answer any FIVE questions
All questions equal marks

1. (a) "Technology owes ecology an apology" - Discuss.
(b) Assuming you've visited an Agency area with mountains, forests and streams or lakes to study an Eco-Tourism Project as a part of your field work, give a detailed report on your visit to the DFO.
2. What is Climate Change? Discuss briefly the sources, effects and methods of control of GHE, Ozone Holes, Acid Rains and Heat Islands.
3. Write short notes on any 4 of the following:
 - (a) Minamita Disease vs. other Water borne Diseases
 - (b) Chernobyl Disaster vs. other Air Pollution episodes
 - (c) ISO : 14000 vs. Environmental Audit
 - (d) Biogeological Distribution of flora and fauna
 - (e) Rio Summit vs. Stockholm Conference
 - (f) Narmada Andolan vs. Chipco movement.
4. (a) What is biodiversity? What is its significance? Describe various Insitu and Ex-situ measures of preservation and protection of biodiversity.
(b) What is a citizen's role in preserving and protecting the environment?
5. (a) Describe a pond Ecosystem with reference to Structure and Functions of ecosystems.
(b) Explain the terms- Food chain, Food web and Energy Pyramids, with examples and figures. Also explain their significance in an ecosystem.
6. Discuss in detail the sources, effects and methods of control of Thermal pollution, Nuclear pollution, Soil pollution and Noise pollution

Code No: 3220105

SET - 1

7. Write a detailed note on any 4 of the following:
- (a) Environmental Awareness, Ethics and Education
 - (b) Solid Waste Treatment, Disposal and Management
 - (c) Renewable and Nonrenewable Energy Resources
 - (d) Environmental Acts, Law and Legislation
 - (e) Biogeological distribution of flora and fauna
 - (f) Role of IT in environmental management and health
8. Write short notes on any 8 of the following 12:
- (a) Mad Cow Disease
 - (b) Extra Terrestrial Townships
 - (c) Ogallala Aquifer
 - (d) Environmental Challenges in India
 - (e) Salt Water Intrusion
 - (f) Recycling and Reuse of wastes
 - (g) Wangari Maathai
 - (h) Aral Sea
 - (i) Evolution of Species
 - (j) Extinction of the Dodo
 - (k) HIV Prevention and Control
 - (l) Genetic banks & Cloning

Code No: 3220105

SET - 2

II B. Tech II Semester Regular Examinations April/May 2009
ENVIRONMENTAL STUDIES
(Common to C.E, E.E.E, M.E, C.S.E, E.I.E, B.M.E, I.T, E.Con.E, B.O.T)

Time: 3 Hours

Max. Marks: 80

Answer any FIVE questions
All questions equal marks

1. (a) "Describe the impact of technology on man and environment".
(b) Assuming you've visited an Eco-tourism project area with forests and streams, as a part of your field work, give a detailed report on your visit to the District Forest Officer.
2. What is Climate Change? Discuss briefly the sources, effects and methods of control of GHE, Ozone Holes, Acid Rains and Heat Islands.
3. Write short notes on any 4 of the following:
 - (a) Water borne diseases- significance, prevention and control
 - (b) Air Pollution Episodes
 - (c) Environmental Management- EIA, Environmental Audit and ISO 14000
 - (d) Hot Spots of Biodiversity
 - (e) Rio Summit vs. Stockholm Conference
 - (f) Naramada Andolan vs. Tehri Dam Project
4. (a) What is biodiversity? What is its significance? Describe various Insitu and Ex-situ measures of preservation and protection of biodiversity.
(b) What is a citizen's role in preserving and protecting the environment?
5. (a) Describe a Marine Ecosystem with reference to Structure and Functions of ecosystems.
(b) Explain the terms- Food chain, Food web and Energy Pyramids, with examples and figures. Also explain their significance in an ecosystem.
6. (a) Discuss in detail the sources, Effects and methods of control of Noise pollution.
(b) Describe the various impacts of construction of large dams on man and environment. Give the possible practical solutions too.

Code No: 3220105

SET - 2

7. Write short notes on any 4 of the following:

- (a) Environmental Education
- (b) Solid Waste Treatment
- (c) Renewable Energy Resources
- (d) Environmental Law and Legislation
- (e) Biogeological distribution of flora and fauna
- (f) Role of IT in Health and environment

8. Write short notes on any 8 of the following 12:

- (a) Mad Cow Disease
- (b) Mangroves
- (c) WWF
- (d) Ecological Succession
- (e) Salt Water Intrusion
- (f) Population control
- (g) Love Canals
- (h) Artificial ecosystems
- (i) Charles Darwin
- (j) Extinction of the Dodo
- (k) Exotics
- (l) Waangari Maathai

Code No: 3220105

SET - 3

II B. Tech II Semester Regular Examinations April/May 2009
ENVIRONMENTAL STUDIES
(Common to C.E, E.E.E, M.E, C.S.E, E.I.E, B.M.E, I.T, E.Con.E, B.O.T)

Time: 3 Hours

Max. Marks: 80

Answer any FIVE questions
All questions equal marks

1. (a) "Technology owes ecology an apology" - Discuss.
(b) Assuming you've visited a Forest area with mountains and water bodies for Eco Tourism as a part of your field work, give a detailed report on your visit to the DFO for a better management.
2. (a) What is Climate Change? Discuss briefly the sources, effects and methods of control of GHE and Ozone Holes.
(b) Describe the various impacts of construction of large dams on man and environment. Give the possible practical solutions too.
3. Write short notes on any 4 of the following:
 - (a) Minamita Disease vs. other Water borne Diseases
 - (b) Chernobyl Disaster vs. Bhopal Tragedy
 - (c) Interlinking of rivers vs. Rain water harvesting
 - (d) Biogeological Distribution of flora and fauna
 - (e) Rio Summit vs. Stockholm Conference
 - (f) Impact of Exploitation of resources with examples
4. (a) What is biodiversity? What is its significance? Describe various Insitu and Ex-situ measures of preservation and protection of biodiversity.
(b) What is 'Sustainable Development'? Describe various sustainable life styles one should adopt for a sustainable development.
5. (a) Describe how a Pond, a Marine, a River and an Estuarine ecosystem differ w.r.t. their structure and function?
(b) Explain the terms- Food chain, Food web and Energy Pyramids, with examples and figures. Also explain their significance in an ecosystem.

Code No: 3220105

SET - 3

6. Discuss in detail the sources, Effects and methods of control of Thermal pollution, Nuclear pollution, Soil pollution and Noise pollution
7. Write a detailed note on any 4 of the following:
 - (a) Environmental Awareness, Ethics and Education
 - (b) Solid Waste Treatment, Disposal and Management
 - (c) Renewable and Nonrenewable Energy Resources
 - (d) Environmental Acts, Law and Legislation
 - (e) Biogeological distribution of flora and fauna
 - (f) Role of IT in environmental management and health
8. Write short notes on any 8 of the following 12:
 - (a) Mad Cow Disease
 - (b) Extra Terrestrial Townships
 - (c) Artificial Rains
 - (d) Ecological Succession
 - (e) Salt Water Intrusion
 - (f) Ideal Ecosystem
 - (g) Love Canals
 - (h) Environmental Economics
 - (i) Evolution of Species
 - (j) Dodo Bird
 - (k) HIV Prevention and Control
 - (l) Environmental Challenges in India

Code No: 3220105

SET - 4

II B. Tech II Semester Regular Examinations April/May 2009
ENVIRONMENTAL STUDIES
(Common to C.E, E.E.E, M.E, C.S.E, E.I.E, B.M.E, I.T, E.Con.E, B.O.T)

Time: 3 Hours

Max. Marks: 80

Answer any FIVE questions
All questions equal marks

1. (a) Describe in detail the impact of technology on man and environment.
(b) Assuming you've visited an Eco-tourism project area with forests and streams, as a part of your field work, give a detailed report on your visit to the DFO.
2. What is Climate Change? Discuss briefly the sources, effects and methods of control of GHE, Ozone Holes, Acid Rains and Heat Islands.
3. Write short notes on any 4 of the following:
 - (a) Water borne diseases
 - (b) Air Pollution Episodes
 - (c) Environmental Management
 - (d) Hot Spots of Biodiversity
 - (e) Rio Summit vs. Stockholm Conference
 - (f) Naramada Andolan vs. Tehri Dam Project
4. (a) What is biodiversity? What is its significance? Describe various Insitu and Ex-situ measures of preservation and protection of biodiversity.
(b) What is a citizen's role in preserving and protecting the environment?
5. (a) Describe a Marine Ecosystem with reference to Structure and Functions of ecosystems.
(b) Explain the terms- Food chain, Food web and Energy Pyramids, with examples and figures. Also explain their significance in an ecosystem.
6. (a) Discuss in detail the sources, effects and methods of control of Noise pollution.
(b) Describe the various impacts of construction of large dams on man and environment. Give the possible practical solutions too.

Code No: 3220105

SET - 4

7. Write short notes on any 4 of the following:

- (a) Environmental Ethics, Awareness and Education
- (b) Solid Waste Collection, Treatment and Disposal Management in Cities
- (c) Renewable and Nonrenewable energy resources
- (d) Environmental Acts, Law and Legislation
- (e) Biogeological distribution of flora and fauna comparing Biodiversity in India
- (f) Role of IT in Health and environmental management

8. Write short notes on any 8 of the following 12:

- (a) Mad Cow Disease
- (b) Mangroves
- (c) WWF
- (d) Ecological Succession
- (e) Salt Water Intrusion
- (f) Population control
- (g) Love Canals
- (h) Artificial ecosystems
- (i) Slums
- (j) Dodo Bird
- (k) Exotics
- (l) Wangari Maathai