

Subject Code:- R10106/R10**Set No - 1****I B.Tech I Semester Supplementary Examinations June - 2012****ENVIRONMENTAL STUDIES****(Common to Electronics & Communication Engineering, Information Technology, Mechanical Engineering, Chemical Engineering, Bio Medical Engineering, Electronics & Computer Engineering, Petroleum Technology, & Mining)****Time: 3 hours****Max. Marks : 75****Answer any FIVE Questions
All Questions carry equal marks***** * * * ***

- 1.(a) Discuss the effects of "Exploitation of resources" on man and environment with special reference to episodes like Ogallala aquifer, Mad Cow disease, Over grazing, Over milking, Over fishing, Green, Blue and white revolutions, Extinction of the Dodo, Mining and Ground water pollution by excessive pumping.
- (b) Write a detailed note on any three of the following:
- | | |
|--------------------------------|---|
| (i) Food scarcity and security | (ii) Environmental ethics |
| (iii) Green buildings | (iv) Nobel Laureates related to environment |
- [6M + 9M]
2. What is Climate Change? What are Carbon Credits? Discuss briefly the sources, effects and methods of control of GHE, Ozone Holes, Acid Rains and Heat Islands.
- [15M]
3. Write short notes on any three of the following:
- (a) Minamita Disease vs. other Water borne Diseases
- (b) Chernobyl Disaster vs. Bhopal Tragedy and other pollution episodes
- (c) Hotspots of Biodiversity when compared with Western Ghats
- (d) Rio Summit vs. Stockholm Conference and other summits
- [5M + 5M + 5M]
- 4.(a) What is biodiversity? What are the various values of biodiversity? What are the threats of biodiversity? Describe various Insitu and Ex-situ measures of preservation and protection of biodiversity.
- (b) What is 'Sustainable Development'? What is a citizen's role in preserving and protecting the environment?
- [8M + 7M]
- 5.(a) Compare a pond Ecosystem with an Estuarine ecosystem with reference to Structure and Functions.
- (b) Explain the terms- Food chain, Food web and Energy Pyramids, with examples and figures. Also explain their significance in an ecosystem.
- [8M + 7M]
- 6.(a) Discuss in detail the sources, effects and methods of control of Soil pollution and Noise pollution.
- (b) What are the reasons for Invisible women and women discrimination? What are your suggestions for women empowerment and child welfare?
- [8M + 7M]

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7. Write short notes on any three of the following:
(a) Rain water harvesting and watershed management
(b) Renewable and Nonrenewable Energy Resources for India especially for villages
(c) Environmental Acts, Law and Legislation
(d) Problems and solutions of large dam projects with examples
- [5M + 5M + 5M]
8. What is 'Eco Tourism'? What are the advantages of introducing field work in a course? 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. Write with figures and facts using the concepts of values of various resources, medicinal plants, biodiversity, revenue generated, quantitative expression of values, Benefit cost ratio, Social aspects etc. using the Environmental Quality data obtained by you during the visit. Give suggestions so as to make it a State of art Eco- Tourism project.

[15M]

Subject Code:- R10106/R10**Set No - 2****I B.Tech I Semester Supplementary Examinations June - 2012****ENVIRONMENTAL STUDIES****(Common to Electronics & Communication Engineering, Information Technology, Mechanical Engineering, Chemical Engineering, Bio Medical Engineering, Electronics & Computer Engineering, Petroleum Technology, & Mining)****Time: 3 hours****Max. Marks : 75****Answer any FIVE Questions
All Questions carry equal marks***** * * * ***

- 1.(a) Discuss the effects of "Exploitation of resources" on man and environment with special reference to various episodes like Ogallala aquifer, Mad Cow disease, Over grazing, Over milking, Over fishing, Green, Blue and white revolutions, Extinction of the Dodo, Mining and Ground water pollution by excessive pumping.
- (b) Write a detailed note on Environmental Awareness, Environmental ethics and Environmental Education. [8M + 7M]
2. What is Climate Change? Discuss briefly the sources, effects and methods of prevention and (or) control of GHE, Ozone Holes and Acid Rains. [15M]
3. Write short notes on any three of the following:
- (a) Multidisciplinary nature of environment.
- (b) Problems and solutions of large dam projects with examples from Narmada, Nagarjunasagar, Tehri, Bhakranangal and Polavaram Dam projects.
- (c) Biogeographical Distribution of flora and fauna, comparing India as a Mega Diversity Nation.
- (d) Rio Summit vs. Stockholm Conference [5M + 5M + 5M]
- 4.(a) What is biodiversity? What is its significance? What are the threats of biodiversity? Describe various Insitu and Ex-situ measures of preservation and protection of biodiversity.
- (b) What is 'Sustainable Development'? What are carbon credits? What is a citizen's role in preserving and protecting the environment? [8M + 7M]
- 5.(a) Describe the Structure and Function of a Pond Ecosystem. Also, explain the terms- Food chain, Food web and Energy Pyramids, with examples and figures.
- (b) What is the role of IT in Health, Disaster Management and Environmental Management? [8M + 7M]
- 6.(a) Discuss in detail the sources, effects and methods of control of Nuclear pollution and Noise pollution.
- (b) What are the reasons for women discrimination and Invisible women? What are your suggestions for women empowerment and child welfare? [8M + 7M]

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Set No - 2

7. Write short notes on any three of the following:
- (a) Chernobyl Disaster vs. Bhopal Tragedy and other episodes
 - (b) Rain water harvesting and watershed management
 - (c) Renewable and Nonrenewable Energy Resources
 - (d) e-waste and biomedical waste management
- [5M + 5M + 5M]
8. What is 'Eco Tourism'? What are the advantages of introducing field work in an engineering course? 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. Write with figures and facts using the concepts of values of various resources, medicinal plants, biodiversity, revenue generated, quantitative expression of values, Benefit cost ratio, Social aspects etc. using the Environmental Quality Monitored by you during the visit. Give suggestions so as to make it a State of art Eco-Tourism project.

[15M]

FirstRanker

Subject Code:- R10106/R10**Set No - 3****I B.Tech I Semester Supplementary Examinations June - 2012****ENVIRONMENTAL STUDIES****(Common to Electronics & Communication Engineering, Information Technology, Mechanical Engineering, Chemical Engineering, Bio Medical Engineering, Electronics & Computer Engineering, Petroleum Technology, & Mining)****Time: 3 hours****Max. Marks : 75****Answer any FIVE Questions
All Questions carry equal marks***** * * * ***

1. Write short notes on any five of the following:
 (a) Bionics (b) Ecological Pyramid (c) Exotics (d) Cloning
 (e) Ogallala Aquifer (f) Vegetarian meat (g) Virtual reality (h) Green building
[3M + 3M + 3M + 3M + 3M]
2. What is Climate Change? Discuss briefly the sources, effects and methods of control of GHE, Ozone Holes, Acid Rains and Heat Islands.
[15M]
3. Write short notes on any three of the following:
 (a) Top Ten Environmental Challenges of the world.
 (b) Chernobyl Disaster vs. Bhopal Tragedy and other pollution episodes
 (c) Rain water harvesting and Watershed management
 (d) Hotspots of Biodiversity when compared with Western Ghats
[5M + 5M + 5M]
- 4.(a) What is biodiversity? What are its various values? What are the threats of biodiversity? Describe various Insitu and Ex-situ measures of preservation and protection of biodiversity.
 (b) What is 'Sustainable Development'? What is a citizen's role in preserving and protecting the environment?
[8M + 7M]
- 5.(a) Compare a pond Ecosystem with an Estuarine ecosystem with reference to Structure and Functions.
 (b) Explain the terms- Food chain, Food web and Energy Pyramids, with examples and figures. Also explain their significance in an ecosystem.
[8M + 7M]
- 6.(a) Discuss in detail the sources, effects and methods of control of Soil pollution and Nuclear pollution.
 (b) What are the reasons for Invisible women and women discrimination? What are your suggestions for women empowerment and child welfare?
[8M + 7M]

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Set No - 3

7. Write short notes on any three of the following:
(a) Minamita Disease vs. other water borne Diseases
(b) Renewable and Nonrenewable Energy Resources for India especially for villages
(c) Environmental Acts, Law and Legislation
(d) Problems and solutions of large dam projects with examples
- [5M + 5M + 5M]
8. What is 'eco Tourism'? What are the advantages of introducing field work in a course? Assuming you've visited a Large Dam project 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. Write with figures and facts using the concepts of values of various resources, medicinal plants, biodiversity, revenue generated, quantitative expression of values, Benefit cost ratio, Social aspects etc. using the Environmental Quality data obtained by you during the visit. Give suggestions so as to make it a State of art Eco- Tourism project.

[15M]

FirstRanker

Subject Code:- R10106/R10**Set No - 4****I B.Tech I Semester Supplementary Examinations June - 2012****ENVIRONMENTAL STUDIES****(Common to Electronics & Communication Engineering, Information Technology, Mechanical Engineering, Chemical Engineering, Bio Medical Engineering, Electronics & Computer Engineering, Petroleum Technology, & Mining)****Time: 3 hours****Max. Marks : 75****Answer any FIVE Questions
All Questions carry equal marks***** * * * ***

1. Write short notes on any five of the following:
 (a) Ogallala aquifer (b) Mad Cow disease (c) Food scarcity (d) blue revolution
 (e) Extinction of the Dodo (f) Salt water intrusion (g) Environmental ethics
 (h) Green buildings
[3M + 3M + 3M + 3M + 3M]
2. What is Climate Change? Discuss briefly the sources, effects and methods of prevention and (or) control of GHE, Ozone Holes and Acid Rains.
[15M]
3. Write short notes on any three of the following:
 (a) Multidisciplinary nature of environment.
 (b) Chernobyl Disaster vs. Bhopal Tragedy and other episodes
 (c) Problems and solutions of large dam projects with examples
 (d) Biogeographical Distribution of flora and fauna, comparing India as a Mega Diversity Nation.
[5M + 5M + 5M]
- 4.(a) What is biodiversity? What are the values of biodiversity? What are the threats of biodiversity? Describe various Insitu and Ex-situ measures of preservation and protection of biodiversity.
 (b) What is 'Sustainable Development'? What are carbon credits? What is a citizen's role in preserving and protecting the environment?
[8M + 7M]
- 5.(a) Describe the Structure and Function of an Estuarine Ecosystem. Also, explain the terms- Food chain, Food web and Energy Pyramids, with examples and figures.
 (b) What is the role of IT in Health, Disaster Management and Environmental Management?
[8M + 7M]
- 6.(a) Discuss in detail the sources, effects and methods of control of Thermal pollution and Noise pollution.
 (b) What are the reasons for women discrimination and Invisible women? What are your suggestions for women empowerment and child welfare?
[8M + 7M]

Subject Code:- R10106/R10

Set No - 4

7. Write short notes on any three of the following:
- (a) Heat Islands and slums
 - (b) Management of wastes
 - (c) Renewable and Nonrenewable Energy Resources
 - (d) e-waste and biomedical waste management

[5M + 5M + 5M]

8. What is 'Eco Tourism'? What are the advantages of introducing field work in an engineering course? Assuming you've visited a Large dam project 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. Write with figures and facts using the concepts of values of various resources, medicinal plants, biodiversity, revenue generated, quantitative expression of values, Benefit cost ratio, Social aspects etc. using the Environmental Quality Monitored by you during the visit. Give suggestions so as to make it a State of art Mega Eco- Tourism project.

[15M]

FirstRanker