

GITAM

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Third Floor, Balaji Metro Plaza, Dondaparthy Main Road, Visakhapatnam-530 016.

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SDDES 101 - UNDERSTANDING ENVIRONMENT

Assignment -1

5 X 3 = 15

- 1) Explain about the Conservation and Management of Natural resources
- 2) Explain about Biogeochemical Cycling of elements
- 3) Write about atmospheric layers and distribution of chemical elements
- 4) Write about the water quality parameters and their significance
- 5) Write about structure and functions of the ecosystem

Assignment -2

5 X 3 = 15

- 6) Explain about the energy flow in an ecosystem
- 7) Write about various human activities leading to environmental degradation and controlling measures
- 8) Write about Air pollutants sampling techniques and pollution control devices
- 9) Write about globalization and its impacts an environment of the developing countries
- 10) Write about manmade disasters and their effects on the environment

DESM

1

SDDES 102 - SUSTAINABLE DEVELOPMENT: ISSUES AND CHALLENGES

Assignment -1

5 X 3 = 15

- 1) Draw a relationship between environment and sustainable development
- 2) Write about the parameters that influence the sustainable development
- 3) Write an essay on the role of non-renewable resource in sustainable development
- 4) Write about patterns of industrialization
- 5) Describe role of environmental management systems (EMS) for sustainable development

Assignment -2

5 X 3 = 15

- 6) What are the various regulatory bodies in India for environmental protection
- 7) Sustainable agriculture leads to improvement of environmental quality - Discuss
- 8) Requirements of an industry to the sustainable
- 9) Explain how to make sustainable community
- 10) Explain the need for innovative practices for sustainable development

DESM

2

SDDES 103 - ENERGY AND ENVIRONMENT

Assignment -1

5 X 3 = 15

- 1) Write a note on chemical energy in fossil fuels
- 2) Discuss the measures to save energy in India
- 3) Write down the causes and effects of Deforestation
- 4) Write a note on Environmental pollutants
- 5) Write a note on Land use planning

Assignment -2

5 X 3 = 15

- 6) Discuss Non – hydro Renewable energy resources
- 7) Describe the fermentation and anaerobic digestion processing
- 8) Explain the principle underlying solar thermal devices. What are the key components of a solar thermal system?
- 9) Write a note on wind energy technology
- 10) Explain the natural gas from coal based power production technologies helps in clearing up the environment

DESM

3

SDDES 104 - INTEGRATED ENVIRONMENT MANAGEMENT

Assignment -1

5 X 3 = 15

- 1) Explain about the principles and process of IEM
- 2) Discuss the challenges in rural environmental management stemming from health related problems
- 3) Write a urban development and its impact on climate
- 4) What information does on initial environmental examination provide?
- 5) Explain how appropriate use of natural resources in farming would help in mitigating the negative environmental impacts of modern agriculture

Assignment -2

5 X 3 = 15

- 6) Write a detailed note on farm forestry
- 7) What are the management imperatives of the extensive, semi extensive of aquaculture systems?
- 8) What ways can environment groups and environment campaigns serve as effective tools of disseminating environmental education
- 9) Describe the barriers and constraints hampering community participation and mobilization process. What are the ways to overcome such barriers
- 10) Write the strengthening the role of women in environment and development

DESM

4

SDDES 105 - NATURAL RESOURCES MANAGEMENT

Assignment -1

5 X 3 = 15

- 1) Write about the water resources and their problems in India?
- 2) Give an account of origin and distribution of minerals?
- 3) Write about the impacts of soil erosion and their conservation?
- 4) Explain the various methods for the conservation of water resources?
- 5) Describe the values of Biodiversity as services and give examples

Assignment -2

5 X 3 = 15

- 6) Distinguish between the Agro-ecosystems versus Natural ecosystems?
- 7) Describe the inter-relationship between Agriculture versus environment?
- 8) Explain the water stress conditions and their impact on agricultural practices?
- 9) Write about the farm machinery and their operation methods?
- 10) Explain the nature and concept of organic farming?

NOTE:

- 1) **Last date for submission of assignments for all the courses / papers is- 15-10-2018**
- 2) **Non-submission of assignments as per the scheduled date mentioned above attracts a fine of Rs. 200/- upto 31-10-2018 per each assignment of a course / paper and under any circumstances the assignments will not be accepted from 1st November, 2018.**
- 3) **Assignments are to be written in the Book-lets provided by CDL and other formats are not accepted.**
- 4) **Answer all 10 questions, in a single book only.**