

Roll No: _____

B.Tech.
SEPT-2018

Total No. of Pages 1

I SEMESTER
MID TERM EXAM

FEC-7

INTRODUCTION TO ENVIRONMENTAL SCIENCES

Max. Marks: 25

Time: 1:00 Hour

Note: Answer all questions.

Q.1 Draw the flow of resources in the ecosystem by Carbon Cycle and Nitrogen cycle. [4]

Q.2 Write short notes on: [6]

- [a] Structure and function of ecosystem.
- [b] Biogeographical classification of India.
- [c] Deforestation and problems caused by deforestation.

Q.3 Answer the following: [15]

- [a] Define natural resources. Describe the major types of natural resources and their associated problems.
- [b] Define Biodiversity. What kind of threats to the biodiversity may lead to its loss?
- [c] Define ecosystem. Describe food chain, food web and ecological pyramids.

Total No. of Pages 1

FIRST SEMESTER

Roll No. 060

B.Tech. (Group B)

MID SEMESTER EXAMINATION

September-2012

EN-112 ENVIRONMENTAL SCIENCE

Time: 1 Hour 30 Minutes

Max. Marks : 20

Note : Answer **ALL** questions.
All questions carry equal marks.
Assume suitable missing data, if any.

- Q 1. Briefly discuss the theory of origin and evolution of earth.
- Q 2. Describe the composition and environmental significance of different layers of atmosphere.
- Q 3. Explain the physical and chemical characteristics of crust, mantle, and core of the earth.
- Q 4. What do you understand by a sedimentary cycle? Explain the phosphorus cycle in this context.
- Q 5. Define Biosphere. What are the important components of the biosphere?

DELHI TECHNOLOGICAL UNIVERSITY

Roll No. 0244

B.Tech.

First semester

MID SEMESTER EXAMINATION

September 2013

EN – 112 ENVIRONMENTAL SCIENCE

Time: 1 Hour 30 Minutes

Maximum Marks: 20

Note: Attempt any four questions. All questions carry equal marks.

1. With a neat sketch of nitrogen cycle, explain the difference between nitrification and denitrification? (5)
2. Define atmosphere and discuss the composition and temperature profile of atmosphere. (5)
3. Explain the adverse impact of technology and development on environment? (5)
4. Describe the origin of earth with the help of various scientific theories. (5)
5. Write short notes any two of the following? (5)
 - a) Sedimentary Cycle
 - b) Biological Water Cycle
 - c) Mantle & Core

FIRST SEMESTER
MID SEMESTER EXAMINATION

EN- 101 ENVIRONMENTAL SCIENCE

Time: 01 Hours 30 min.

Roll No. 112
B.TECH. (B Gp)
SEPT. - 2015

Max. Marks: 25

Note: All the questions are compulsory
Assume suitable missing data if any

1. Define environment. Discuss the role of individuals in environmental conservation. 5
2. Describe the factors responsible for environmental degradation. 5
3. Discuss the chemical composition and temperature profile of atmosphere. 5
4. Write short notes on 5
 - a) Biosphere
 - b) Water Cycle
5. What are the environmental consequences associated with deforestation? 5

A8-1176

Roll No.....

**SECOND SEMESTER
MID SEMESTER EXAMINATION**

**B.TECH. (A Group)
FEB. - 2015**

EN- 112 ENVIRONMENTAL SCIENCE

Time: 01 Hours 30 min.

Max. Marks: 20

**Note: All the questions are compulsory
Assume suitable missing data if any**

1. Describe the chemical composition and density gradient in lithosphere. 4
2. Define biogeochemical cycle. Discuss the cycling of carbon in environment. 4
3. What do you mean by stratification of lakes? Why is it significant? 4
4. Write short notes on
a) Biodiversity 4
b) Nebular hypothesis
5. What are the functional aspects of an ecosystem? Discuss. 4

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Roll No.

SECOND SEMESTER

B.Tech. (EN)

MID SEMESTER EXAMINATION

MARCH-2012

EN-112 ENVIRONMENTAL SCIENCE

Time: 1 Hour 30 Minutes

Max. Marks : 20

Note : Answer **ALL** questions.
All questions carry equal marks.
Assume suitable missing data, if any.

- 1 Briefly explain the origin and evolution of earth.
- 2 Describe the various layers and composition of lithosphere.
- 3 Explain carbon cycle and draw a neat labeled diagram of it.
- 4 What do you mean by energy flow in an ecosystem? Describe the models of energy flow.
- 5 Discuss the types of desert ecosystem.

FEC-7 INTRODUCTION TO ENVIRONMENTAL SCIENCES

Duration: 1 Hours

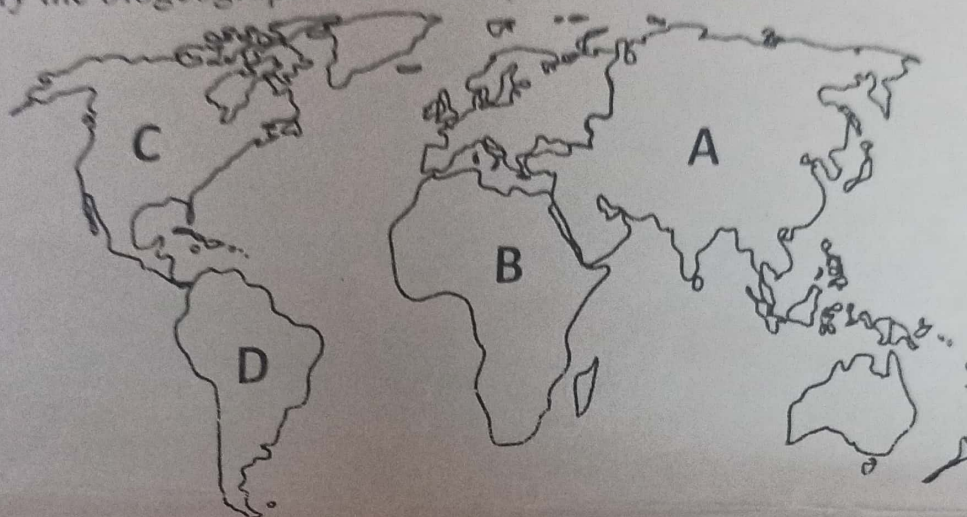
Maximum Marks: 25

Note: Answer ALL question. All questions carry equal marks.
Assume suitable missing data, if any.

Q.1 Answer the following questions

[3]

- a. Identify the biogeographical realms (A, B, C & D) marked on the map.



- b. Classify natural resources based on (i) origin, and (ii) extent of use.

Q.2 Answer the following questions

[10]

- a. Illustrate oxygen cycle using a sketch.
b. Write short notes on structural and function aspects of ecosystem.
c. Describe the contribution of any one institution working towards environmental protection or pollution prevention in our country.
d. Define Biodiversity. Explain the threats to the biodiversity?

Q.3 Answer the following questions

[12]

- a. Define sustainability. How can you apply sustainability in your day-to-day activities?
b. Recommend ways to prevent over-exploitation of forest resources.
d. Appraise the role of public awareness in environmental protection.

Roll No.....1756

**SECOND SEMESTER
MID-SEM EXAMINATION**

**B.TECH. (A group)
MARCH- 2017**

EN-102 INTRODUCTION TO ENVIRONMENTAL SCIENCE

Time: 1 Hour 30 minutes

Max. Marks: 25

*Note: All the questions are compulsory and carry equal marks
Assume suitable missing data if any*

1. ☒ a) Discuss the importance of environmental studies for public awareness.
☒ b) Discuss the structure of lithosphere.
2. ☒ a) What is eutrophication? What are the ways to overcome it? Explain.
b) Describe the status of mineral resources in India.
3. ☒ a) Discuss the role of modern agriculture in environmental degradation.
☒ b) Differentiate between renewable and non-renewable sources of energy.
4. ☒ a) What are the problems associated with over-utilisation of water resources? Explain.
☒ b) Discuss the environmental demerits of wind energy.
5. Write short notes on
 - ☒ a) World food problems
 - ☒ b) Desertification