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(REVISION	 201	5)

Reg. No.	
Simotura	

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2019

ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT

[Time: 3 hours

(Maximum marks: 100)

PART — A

(Maximum marks: 10)

Marks

- I Answer all questions in one or two sentences. Each question carries 2 marks.
 - 1. Define deforestation.
 - 2. Define ecosystem.
 - 3. Describe solid waste.
 - 4. Define disaster.
 - 5. Describe TREM card.

 $(5 \times 2 = 10)$

PART — B

(Maximum marks: 30)

- II Answer any five of the following questions. Each question carries 6 marks.
 - 1. Explain the uses of forest.
 - 2. Point out the characteristics features of grassland ecosystem.
 - 3. Discover the effects of noise pollution.
 - 4. Discuss the causes of flood.
 - 5. List the environmental effects of pesticides.
 - 6. Describe biomagnification.
 - 7. Discuss the control measures of marine pollution.

 $(5 \times 6 = 30)$

PART --- C

(Maximum marks: 60)

(Answer one full question from each unit. Each full question carries 15 marks.)

Unit --- I

OR

III (a) Explain the effect of dams on forest.

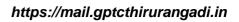
8

(b) Describe the importance of alternate energy sources.

7

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			Marks
IV	(a)	Discuss the role of an individual in the conservation of natural resources.	8
	(b)	Point out the environmental effects of mining.	7
		Unit — II	
V	(a)	State the importance of biodiversity conservation.	8
	(b)	Explain the structure and function of desert ecosystem.	7
		OR	
VI	(a)	Explain a food chain with suitable example.	. 8
	(b)	Describe the effect of urbanization on environment.	7
		Unit — III	
VII	(a)	Describe the effects of water pollution.	8
	(b)	Explain a method to control air pollution.	7
		OR	
VIII	(a)	Describe the causes of thermal pollution.	8
	(b)	Explain the effects of nuclear pollution.	7
		Unit — IV	
IX	(a)	Describe the emergency phase of disaster management cycle.	8
	(b)	What are the sources of chemical disaster?	7
		OR	
X	(a)	Explain effects of cyclone.	8
	(b)	Explain the uses of information technology in disaster management.	7