

TED (15) 3001A
(Revision-2015)

A20-00156

Reg.No.....
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DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE, APRIL-2020
ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT

[Maximum marks: 75]

(Time: 2.15 Hours)

PART – A

(Answer any **three** questions in one or two sentences. Each question carries 2 marks)

- I. (1). Define deforestation.
(2). List any four abiotic components of an ecosystem.
(3). Recall the meaning of ecological succession.
(4). Define nuclear pollution.
(5). Write the meaning of hazard. (3 x 2 = 6)

PART – B

(Answer any **four** of the following questions. Each question carries 6 marks)

- II. (1). Differentiate between renewable and non-renewable resources.
(2). Explain the relationship between hazard, disaster, vulnerability, risk and capacity.
(3). Explain the concept of food chain and food web.
(4). List and brief about any two nuclear hazards occurred.
(5). Identify the causes of land degradation.
(6). Discuss the causes of biodiversity loss.
(7). Explain the concept of ecological succession and its characteristics. (4 x 6 = 24)

PART – C

(Answer **any of the three units** from the following. Each question carries 15 marks)

UNIT –I

- III. List and discuss conventional and non-conventional sources of energy. (15)

OR

- IV. Discuss the problems caused to the environment due to. (15)
(a). Dam construction. (b). Mining.

UNIT-II

V. Explain the causes of global warming and its effects on environment. (15)

OR

VI. Explain the concept and role of biodiversity and the need to conserve that. (15)

UNIT-III

VII. Briefly discuss various types of pollution and its impacts on environment. (15)

OR

VIII. Discuss the types of solid wastes, its impacts and management. (15)

UNIT-IV

IX. Explain the types of disasters, its impacts and causes. (15)

OR

X. (a). Discuss the various phases of disaster management cycle. (8)

(b). Explain the importance of hazard zonation map. (7)
