MODEL QUESTION PAPER

SUBJECT CODE 3001(REV2015)

THIRD SEMESTER DIPLOMA EXAMINATION IN ENGINEERING

ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT

COMMON TO ALL

TIME 3 HOURS

MAXIMUM :100 MARKS

PART A

(Maximum 10 marks)

I.   Answer the following questions in one or two sentences. Each one carries two marks.
1. Define mining
2. What is the concept of ecosystem
3. List any two causes of pollution
4. What do you meant by risk management
5. Expand MAH

5X2=10

PART B

(maximum 30 marks)

II

Answer any five full

Questions. Each one carries 6 marks.

1. List any six the causes of deforestation
2. Illustrate characteristics of Aquatic ecosystem
3. State the global effect of nuclear radiation
4. Write short notes on ecological pyramid with figure
5. Explain hazards zonation map
6. Describe the role an individual in conservation of forest
7. Establish the relationship between disaster and development

PART C

MAXIMUM 60 MARKS

ANSWER ONE FULL QUESTION FROM EACH UNIT. EACH ONE CARRIES 15 MARKS

UNIT 1

III

a) State the importance of water as a resource   7

b) Describe the impact due to large dams   8

OR

IV

    a) Mention the problems associated with fertiliser and pesticides in agriculture   7

    b) Write a note on soil erosion   8

UNIT 2

V

    a) Explain and draw ecological pyramid   7

    b) Differentiate between biotic and abiotic components   8

OR

VI

    a) Distinguish among afforestation, reforestation, and deforestation   7

    b) Explain with the help of a food chain when biological magnification of harmful chemicals occurs   8

UNIT 3

VII

    a) Enumerate the causes of air pollution   7

    b) How local water pollution contribute to the global pollution   8

OR

VIII

    a) Identify various sources of solid wastes   7

    b) What are the effect of nuclear pollution   8

UNIT 4

IX

    a) What are the different phases of disaster management   7

    b) List some adverse effect of drought   8

OR

X

    a) Explain health and disaster management plan   7

    b) Write short note on disaster reduction   8