

FIFTH SEMESTER DIPLOMA EXAMINATION IN CIVIL ENGINEERING**Model Question Paper****Building Maintenance and Services**

Maximum Marks (100)

Time “ 3 hours

PART-A

(Answer the following questions in one or two sentences. Each question carries 2 marks)

Marks

1. Name four environmental elements which reduce the durability of concrete.
2. Name two testing methods to determine failure of buildings
3. What is Routine maintenance?
4. What is the use of traps?
5. What is the use of panel boards) (5 x 2 = 10)

PART-B

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

- II. 1. Explain the effect of three chemical agents on concrete
2. State the effect of fire on buildings.
 3. State two methods for preventing leakage in RCC roof slab.
 4. What maintenance work need weekly in a R.C.C building
 5. State any five causes responsible for corrosion of steel in concrete?
 6. What are the role of a plumber?;

7. What are the requirements of domestic gas pipe line?

Part-C

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

UNIT-1

III. 1. Explain the damages caused in concrete due to biological agents 15

Or

IV . What are the remedial measures to be taken to improve durability of buildings
15

Unit-II

V. Explain various methods for strengthening foundation?

Or

VI. Explain various methods to repair concrete structures. 15

Unit-3

VII. Write down the specification for painting

i). Damp proof courses in an existing building 8

ii). Write down the specification for painting in an existing building 7

OR

- VIII. 1. What are the remedial measures to be taken to avoid dampness in floor 8
2. State the method to determine annual maintenance cost 7

UNIT-IV

- IX. Explain various types of valves & fittings used in domestic supply lines 15

OR

- X. Explain lift with sketch 15

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