

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – NOVEMBER -2020.

BUILDING MAINTENANCE AND SERVICES

(Maximum Marks : 100)

[Time : 3 hours]

PART-A

(Maximum marks: 10)

Marks

I. Answer **all** questions in one or two sentences. Each question carries 2 marks.

1. What is Earthing?
2. Name the common types of failures in flooring.
3. What do you meant by dampness in building?
4. Name two methods adopted for cleaning small sewers.
5. Define underpinning? (5x2=10)

PART - B

(Maximum Marks : 30)

II Answer any **five** of the following questions . Each question carries 6 marks.

1. Explain different types of buildings? What is its life expectance?
2. Write the reason for cracking in plastering?
3. How does repair hairline cracks developed in the roof slab by grouting?
4. What are the requirements of a good damp proofing material.
5. Write the names of water supply fittings.
6. What are the classification of pipes? Explain.
7. Explain air conditioner and name its types. [5x6 =30]

PART - C

(Maximum marks : 60)

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

UNIT I

III Explain the methods controlling sulphate attack. (15)

OR

IV Briefly explain the characteristics of aggregates used in building. (15)

UNIT- II

V What are the principal causes of development of cracks in buildings? (15)

OR

VI What are the needs of machinery in building construction. (15)

UNIT- III

VII (a) Discuss about dampness. Explain about Damp proofing courses. (8)

(b) Explain about maintenance cost of a building? What are the factors to be considered in it? (7)

OR

VIII Explain the points to be considered while designing fire resistant buildings. (15)

UNIT – IV

IX (a) What are the different types of pipe joints? (7)

(b) What are the advantages of centrifugal pumps? (8)

OR

X (a) Explain the systems of Plumbing? (7)

(b) What are the principles of building drainage? Explain about various sanitary fittings with sketch? (8)
