

TED (10)5012

Reg.No.....

Revision -2010

Signature.....

SIXTH SEMESTER DIPLOMA MODEL EXAMINATION IN ARCHITECTURE-MARCH 2013

BUILDING SERVICES

(Maximum Marks: 100)

(Time: 3 hours)

PART-A

[Maximum Marks: 10]

- I. Answer the following questions in one or two sentences
1. Draw the conventional symbols of 1. two way switch 2. Exhaust fan.
 2. List out the various types of pumps used in water supply.
 3. What is the purpose of providing a soak pit?
 4. Write any two advantages of GI pipes?
 5. Define the term acoustics? (5x2=10)

PART-B

[Maximum Marks: 30]

- II. Answer any five questions
1. Describe the purpose of earthing in buildings.
 2. Write short notes on cleat wiring and CTS wiring.
 3. Explain the working of a flushing cistern.
 4. Explain the various types of pipe fittings.
 5. What are the advantages and disadvantages of concrete pipes used in water supply?
 6. Describe the various fire alarms used in buildings.
 7. What is a drop manhole? List out the objects of a drop manhole. (5x6=30)

PART-C

(Answer one full question from each unit)

UNIT-I

- III. a) With a neat sketch explain the tree system of wiring. (7)
b) Write the specifications of earthing. (8)

OR

- IV. a) Explain the working of lightning arrestor with a sketch. (7)
b) List out the general rules to be used in wiring. (8)

UNIT-II

- V. a) Draw the schematic diagram of single phase and three phase wiring installation? (8)
b) What are the guidelines to be followed while selecting fan points? (7)

OR

- VI. a) Compare dead end system and grid iron system of water supply distribution. (7)
b) Explain the various types of joints in cast iron pipes. (8)

UNIT-III

- VII. a) List out the principles of planning and design of a house drainage. (8)

b) Explain with sketch the component parts of a septic tank. (7)

OR

VIII. a) Explain the classification of fire. (8)

b) Briefly explain the components of roof top rain water harvesting system. (7)

UNIT-IV

IX. a) Explain about the essentials of air conditioning. (8)

b) Classify the mechanical system of ventilation. (7)

OR

X. a) Discuss the purpose of air conditioning. (6)

b) Explain the various types of acoustical materials. (9)