

Total number of printed pages-3

43 (B.ARCH-4) 4-6

2015

**BUILDING SERVICES-II**

Paper : ARC-4-6

Full Marks : 100

Time : Three hours

**The figures in the margin indicate full marks for the questions.**

1. Answer the following : **(Any ten)**

2×10=20

- (i) What is conductor? What are the different types of conductors?
- (ii) Differentiate between wires and cables.
- (iii) State the inverse square Law.
- (iv) What is a Fuse?
- (v) What is an Electrical substation?
- (vi) What is a Transformer?
- (vii) Differentiate between Fuse and MCB?

Contd.

- (viii) What are Incandescent Lamps ?
- (ix) What is Earthing ?
- (x) What is concealed conduit wiring ?
- (xi) What is Miniature Circuit Breaker ?

2. Write short notes on : **(Any four)** 5×4

- (i) Halogen Lamps
- (ii) Plate Earthing
- (iii) Electrical Substations
- (iv) Different types of switches
- (v) Different systems of wiring
- (vi) Circuit Breaker
- (vii) Carbon Arc Lamps
- (viii) Electrical connection in a building.

3. Answer the following : **(any four)** 15×4=60

- (i) What are the different types of Lamps ? Explain each type with sketches.
- (ii) What is Earthing ? Describe the different types of Earthing with sketches.

- (iii) Explain the different systems of wiring used in house wiring system.
- (iv) Explain the different types of Lighting schemes with diagram.
- (v) What are Fuses ? What are Electrical substations ? Differentiate between electrical transmission and electrical distribution.
- (vi) Describe the system of electrical distribution in a building.