

Wiring System and Estimation

1). What is the type of test conducted in the wiring installation as shown in the figure?

- (A) Polarity test
- (B) Open circuit test
- (C) Insulation resistance test between conductors
- (D) Insulation resistance test between conductors and earth

Correct Answer : D

2). Which factor decides the thickness of insulation of the cables?

- (A) Current
- (B) Temperature
- (C) Power factor
- (D) Voltage

Correct Answer : D

3). What is the minimum cross- sectional area of copper conductor for flexible cord as per BIS?

- (A) 2.5 mm²
- (B) 1.5 mm²
- (C) 1 mm²
- (D) 0.5 mm²

Correct Answer : D

4). Which instrument is used to test the insulation of new domestic wiring installation?

- (A) Multimeter
- (B) Megger
- (C) Shunt type ohmmeter
- (D) Series type ohmmeter

Correct Answer : B

5). Where the service mains are to be connected in the domestic installation?

- (A) IC cut out
- (B) Main switch
- (C) Energy meter
- (D) Distribution board

Correct Answer : C

6). Which switch is used to control one lamp from three different places?

- (A) Pull switch
- (B) Intermediate switch
- (C) Bell push switch
- (D) Toggle switch

Correct Answer : B

7). What is the reason of the lamps are glowing dim and motor running slow in a domestic wiring circuit?

- (A) Open circuit in the neutral line
- (B) Short circuit between conductors
- (C) Low voltage fault
- (D) Open circuit in the earth conductor

Correct Answer : C

8). Where the pipe jumper is used in the wiring?

- (A) To make holes on wooden board
- (B) To make pilot holes on the wall for fixing accessories
- (C) To make through holes on the wall
- (D) To chip the wall for fixing switch boxes

Correct Answer : C

9). What is the formula to find voltage drop of a A.C single phase wiring circuit?

- (A) Voltage drop = IR volt
- (B) Voltage drop = I²R volt
- (C) Voltage drop = I/R volt
- (D) Voltage drop=IR/2 volt

Correct Answer : A

10). What is the permissible leakage current in domestic wiring installation?

- (A) 1/5 x Full load current
- (B) 1/50 x Full load current
- (C) 1/500 x Full load current
- (D) 1/5000 x Full load current

Correct Answer : D

