



Seat No. \_\_\_\_\_

**HH-1901390201040300**  
**Second Year (ID) B. A. (Sem. IV)**  
**Examination**  
**April - 2023**  
**Services**

Time : **2:00** Hours / Total Marks : **50**

- Instructions :**
- (1) All questions are compulsory.
  - (2) Any ambiguity will be considered as a wrong answer.

**1** Fill in the blanks : **10**

- (1) Pipes used for drainage from WC should have diameter of \_\_\_\_\_.
- (2) Trap used to collect water from wet floor is called \_\_\_\_\_.
- (3) Bottle trap is generally used in \_\_\_\_\_.
- (4) Full form of CFL is \_\_\_\_\_.
- (5) Watt is a unit of \_\_\_\_\_.
- (6) \_\_\_\_\_ is the unit of current.
- (7) If the area of the room is less than 100 sq.ft then \_\_\_\_\_ Ton AC is required.
- (8) Per capita demand of water is calculated in liters \_\_\_\_\_.
- (9) A compressor is a mechanical device like a \_\_\_\_\_.
- (10) Condenser device for reducing \_\_\_\_\_,

**2** Answer the following questions : (Any Five) **10**

- (1) Write name of basic source of water.
- (2) Name different types of water distribution system.
- (3) Give name of different types of sanitary fittings.
- (4) Write name of sources of electricity.
- (5) Give the name of types of lamps available in the market.
- (6) Write the types of lighting fixtures available in market.
- (7) What are the four major components of air conditioning system ?
- (8) Write the difference between split AC and Window AC.

- 3 Design a toilet lay out for a given part plan of a residence, **15**  
 Highlight plumbing layout, also draw required wall elevations.  
 (any One Toilet) (Scale 1:20)  
 Give necessary dimension along with textual information in plan  
 and elevations.  
 Give required specification of sanitary ware used.  
 Locate openings according to design.
- 4 Draw furniture layout and design electrical points and wiring system **15**  
 in your manner for given plan. Prepare electrical point legend and  
 schedule and give supportive justifications. (Drawing Attached)

