

- Q.26 Draw a neat sketch of Escalator and label its various parts
- Q.27 Differentiate between Gate valve and float valve.
- Q.28 State the purposes of objectives of air conditioning.
- Q.29 Explain with neat sketch the functioning of SEPTIC TANK.
- Q.30 List precautions to avoid fire accidents.
- Q.31 Sketch any three sanitary fittings.
- Q.32 Explain rain water harvesting and its uses.
- Q.33 Enlist the different types of lift used in high rise building.
- Q.34 Explain various grades of fire hazards.
- Q.35 Discuss any two types of sound insulating material in detail.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain the function of water closet and flushing cistern along with neat sketches.
- Q.37 Describe sound insulation and discuss any two defects of sound in detail.
- Q.38 Explain fire fighting services and causes of fire in building.

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3rd Sem / Arch. Subject:- Building Services

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Rain water is used to carry_____
- a) Waste water b) Rain water
- c) Both A & B d) None
- Q.2 How many types of ventilation are there?
- a) 3 b) 4
- c) 2 d) 1
- Q.3 A fire detector cannot detect:
- a) Light b) Heat
- c) Radiation d) Smoke
- Q.4 The term_____ is used to mean the free passage of clean air in structure.
- a) circulation b) dissipation
- c) ventilation d) condensation
- Q.5 Which is the most type of wirings are used in domestic applications?
- a) Conduit wiring b) Cleat wiring
- c) Batten wiring d) None of these

- Q.6 Noise is:
 a) An unwanted sound b) An irritant
 c) A source of stress d) All of the above
- Q.7 Rain water harvesting increases the ground water levels.
 a) True b) False
- Q.8 MCB stands for:
 a) Miniature Circuit Breaker
 b) Mono Circuit Breaker
 c) Mega Circuit Breaker
 d) None
- Q.9 The pipe which carries waste water from kitchen, bath, sink is known as _____.
 a) C I pipe b) G I pipe
 c) Soil pipe d) Waste pipe
- Q.10 While calculating the handling capacity of lift, the weight of a person is taken as 65kg.
 a) True b) False

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 The qualities of a room or a building that determine how sound is transmitted is known as _____.
- Q.12 _____ is an active fire protection device used to extinguish or control small fires, often in emergency situation.
- Q.13 Air conditioning can also be provided by a simple process called _____.

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- Q.14 In construction, a complete system of heating, ventilation and air conditioning is referred to as _____.
- Q.15 _____ is used to measure the amount of light output in a given area.
- Q.16 A safety device used in electrical installations with high earth impedance to prevent shock _____.
- Q.17 A repetition of sound produced by the reflection of sound waves from a wall, mountain or obstructing surface is called _____.
- Q.18 _____ is used to transport persons or materials between two or more levels in a vertical direction by means of guided car.
- Q.19 The size of soil pipe is _____.
- Q.20 In a building, to provide ultimate comfort to occupants _____ can be used

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Explain principles of Surface Drainage.
- Q.22 Draw any five types of electrical symbols.
- Q.23 Explain different method of water distribution system.
- Q.24 Describe any two types of fire resistant materials in detail.
- Q.25 Explain the various types/sizes of pipes commonly used in house drainage system.

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