

Year: - Fourth Year B Arch.

Subject: - SW II

Pattern: - 2015

1. Calculate the capacity of OHWT and ground level water tank for a housing colony of 100 families.
2. Write brief specifications for
 - a) Bath tub
 - b) Gully trap
 - c) Inspection chamber
 - d) Mixer unit
3. Write short notes on
 - a) Manholes
 - b) Anti-siphonage Pipes
 - c) Types of traps
 - d) Disconnecting Chamber
4. Write detailed specifications for
 - a) Ground level water tank
 - b) Stoneware drain pipes
5. Write short notes on (Sketches are Compulsory)
 - a) Noise control in the following bldg..
 - A. Hospital Building
 - B. Auditorium Building
 - C. Industrial Building
 - D. Institutional Building
 - E. Cinema Hall
6. What are the function of the sound absorber?
7. Explain the proprietary and non-proprietary systems of providing sound absorber in acoustical design.
8. Sketch detail cross section of the Auditorium wall and give the specification for any one sound insulation technique.
9. Explain the Brief specifications. (Sketches are Compulsory)
 - A. Defect in the Sound
 - B. Types of Acoustical flooring
 - C. Types of Acoustical wall/ partitions
 - D. Types of Acoustical materials are available in the market

E. Types of reflective surfaces.

10. Write a short note with sketches

1. Types of Air-conditioning systems
2. Air handling unit
3. Filters in the air conditioners
4. Write a names of Air conditioners manufacturers.
5. Compressor.

11. Write a short note with sketches

1. Solar Panels
2. Earthing
3. Electrical Switches
4. Types of Ceiling fans
5. Electric Cables
6. Modular Switches
7. Renewable Energy resources

12. Write a short note on following.

1. Demolition work (Safety measures, Methods of demolition)
2. Language of Specification Writing.
3. Material testing for construction.
4. Types of Specifications.
5. Manufactures Brochure.

13. Explain Different types of Building Trades and its Scope.

14. Write a short note on Accessibility arrangements for specially abled persons in public buildings

15. Explain in detail about external development work of pavements & lighting.

16. Explain in detail elevators and escalators.

17. Explain in detail escalators.

18. Explain polymer based water proofing technique in detail.

19. Give the checklist for execution of plaster work on site.

20. What is checklist? Explain its importance in Construction Industry.