

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

ROLL NO :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total number of pages:[02]

Total number of questions:[04]

B.ARCH. – 5rd Sem.

Building Services -II

Subject Code : AR-505

Paper ID: (for office use)

Batch: 2015 onwards

Time allowed: 03 Hrs

Max Marks: [60]

Important Instructions:

- Q1 is compulsory.
- Attempt any four question each from all three units at least one from each unit.

Q1. Write short note on any six of the following

2x6 =12

- Distribution board.
- Circuit breakers and fuses
- Machine room in lifts
- Smoke Detector
- Hospital Lift sizes
- Conveyer Belts
- Electrical Conduit
- Earthling

PART - A

Q2. a) Draw a line diagram for a a small residential building of 2 story to be provide with electricity wiring in single phase. 05

b) Describe in detail the electrical conducting system of residential or Institutional building. What are the various sizes of the electrical conduit and its usage. 07

Q3. a) What are the various kind of electrical equipment used in any kind of commercial and industrial building. 04

b) What are the various type of the switches, socket and fixture are available in the market for a small residential building. Write their specification and rating. 05

c) Write short note on plate earthling.

PART – B

- Q4. a) Describe the mandatory requirements for two hour fire rating for any Instructional or residential building above 15m. 06
- b) Describe the minimum mandatory requirement for the fire safety of nursing home not more than 3 story high. 06
- Q5 a) What is refuse area in multistory building and describe its usage. 04
- b) Describe the various fire alarming and fire detection system in the commercial buildings. 04
- c) Explain in detail the various fire safety norms for the chemical fire hazardous factory building. 04

PART – c

- Q6. a) Explain the detail the following terms for lift any Three 06
- i) Lift Sizes for residential building ii) Machine room iii) machine less lifts
- iv) Lift lobby
- b) Write a short note on the escalators. Where it is used. 06
- Q7. a) What is the various kinds of good lift and hospital lifts available in the market. 06
- b) What are the various kind of the vertical transportation and horizontal Transportation system for human and good are used in buildings. 06