

Total No. of Printed Pages:02

SUBJECT CODE NO:- H-5004
FACULTY OF SCIENCE AND TECHNOLOGY
Fifth Year Arch (Sem-X)
A. B. C. M.- IX
[Old]

[Time: Four Hours]**[Max. Marks:100]**

Please check whether you have got the right question paper.

N.B.:

- 1) Solve any two questions from Section – A & any two questions Section – B.
- 2) Assume suitable data wherever required.
- 3) Use sketches wherever necessary.

Section A

Q.1 An exhibition space at ground floor of size $40.0\text{ m} \times 60.0\text{ m}$ is to be provided with RCC Flat Slab Structure. **35**

Draw : i) Plan and Section

ii) Enlarged details of a structure, columns, slab showing all the typical reinforcement.

iii) Give the material/s specifications in brief.

Use suitable scale.

Q.2 A Four – Storeyed Housing Building is to be provided with a Passenger Elevator (lift) of five-capacity. **35**

Draw: i) Plan and Section

ii) Enlarged details of a lift-shaft

iii) Detail of a Lift-car

Use suitable scale.

Q.3 A Foundry to be provided with steel structure with steel roof truss having provision of roof exhaust system. The size of the shelter is $24.0\text{ m} \times 60.0\text{ m}$. **35**

Draw: i) Plan and Section

ii) Enlarged details of a structure with roof-truss showing all the details at various levels.

iii) Details at Foundation, Details of roof exhaust system.

iv) Give the material/s specifications in brief.

Use suitable scale.

Section B

- Q.4 Enumerate: “Conveyors”. 15
- Q.5 Write an explanatory note on “Earth – quake Resistant Structures”. 15
- Q.6 Explain with the sketches “Design & Construction of Multi-Basements”. 15