

Total No. of Printed Pages:1

**SUBJECT CODE NO:- H-5011**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**Fifth Year (Arch)**  
**Building Economics**  
**(Old)**

[Time:Two Hours]

[Max.Marks:50]

N.B

Please check whether you have got the right question paper.

1. Please attempt any two questions from Section 'A' and two questions from section 'B'.
2. Use the same answer book for both the sections.
3. All questions carry equal marks.

**Section A**

- Q.1 Which are the financing agencies to housing? Examine the role of HDFC in development of housing in India.
- Q.2 Write explanatory notes on any two.
- a) Scope of economics
  - b) Law of diminishing marginal utility
  - c) Cost control and cost estimates
- Q.3
- a) Explain the function of capital as an investment in profit oriented business.
  - b) What is the relationship between capital and building schemes that promote better living?
- Q.4 Explain the following:
- a) Property investment returns
  - b) General theory of valuation and mortgages

**Section B**

- Q.5 What is the importance of building economics for Architects?
- Q.6 Write explanatory notes on any two
- a) Labour and construction industry
  - b) Law of diminishing marginal utility
  - c) Cost control and cost estimates
- Q.7 Write explanatory notes on:
- a) Demand and supply of housing stock.
  - b) Role of Reserve Bank of India.
  - c) Malthusian Theory of population
- Q.8 Examine the factors that affect marketing of houses/buildings. What are major considerations for marketing of twin houses?

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**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