

BACHELOR OF ARCHITECTURE EXAMINATION, 2017

(5TH YEAR, 1ST SEMESTER EXAM. – 2017)

BUILDING ECONOMICS & PROJECT MANAGEMENT

PART - I

Time: Three Hours

Full Marks: 100

Answer Question No. – 1 and any two questions

All questions carry equal marks

Use separate answer scripts for each part

Q1. Answer any four:

(4X5 = 20)

- A) Define laws of demand and supply. Explain in brief with diagrams.
- B) State meaning of Economic system and its functions. What are its different types.
- C) What are the factors of production? How do you classify the factors of production.
- D) What is accounting? State sum accounting concepts.
- E) Define the subject "Cost Accounting". What are the main objective of "Cost Accounting"?

Q2. A) Define economic "Market". Distinguish between perfect competition and imperfect competition.

B) Determine price equilibrium (P) per unit of output under **MONOPOLY** market. (3+4+8 = 15)

Q3. A) What do you mean by cost of production? Define opportunity cost.

B) Distinguish between fixed cost and variable cost. Why average cost (A.C.) is 'U' shaped? Explain with diagrams. (7+8 = 15)

Q4. A) What do you understand by "Land" in Economics? Explain its main characteristics.

B) How land differs from other factors? Compute **profit** as a factor return from the returns of factors of production. (7+8) = 15

Q5. A) Write brief short notes on: "Journal", "Ledger" and "Trial Balance".

B) From the following transaction pass necessary Journal Entries and Ledger Entries.

1. Mr. X started a business with a Capital of Rs.6,000.00
2. Cash paid to Mr. Y of Rs.500.00
3. Purchase for Cash Rs.500.00
4. Goods sold for Cash Rs.1,000.00
5. Salary paid Rs.500.00

B.ARCH – 5TH YEAR.1st SEMESTER , 2017

Subject : BUILDING ECONOMICS & PROJECT MANAGEMENT

TIME – 3 HOURS

FULL MARKS – 100

GROUP –B (50 marks)

Q1. Answer any 6 questions (5 marks each)

- i) What is Critical Ratio & Earned Value Analysis?
- ii) Give a breakdown of construction costs.
- iii) Give 2 reasons why monitoring and control is important in project management.
- iv) Draw the Time-Cost graph and explain in brief.
- v) What are the basic rules of network analysis?
- vi) What is risk analysis?
- vii) What is crashing of an activity ?
- viii) What is slack or float , and what does it indicate?

Q2. Answer any 2 questions (10 marks each)

- a) Describe the Life Cycle of a Project . How is it relevant to construction project ?
- b) Mention the nine general areas of knowledge in project management and their functions.
- c) What is a Responsibility Assignment Matrix (RAM) and how does it interlink WBC & OBS ?
- d) What is the difference between PERT & CPM ? What are the two types of network analysis and what is the difference between them ?