



# SARVAJANIK UNIVERSITY

S-2026 Date: 18-05-26 Time: 01:30 PM to 03:30 PM

Regular / Backlog Exam

**B.Arch. - SEMESTER- IX EXAMINATION**

**Course Code: BRAR10903**

**Total Marks: 60**

**Course Name: Building Economics & Construction Management**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

**Q1. Do as directed (All Questions are Compulsory) (1 Mark Each)**

**15 Marks**

**Write True or False**

1. CPM is probabilistic in nature, while PERT is deterministic
2. Full Form of PPP in Economics is Public Private Partnership
3. Total float on a critical path is always zero.

**Fill in the Blank**

4. \_\_\_\_\_ is the Intersection of Demand and Supply Curve
5. \_\_\_\_\_ of Building is Important Part of Architectural Building Economics

**Write Full Form**

6. WBS
7. CPM
8. GST
9. LLP
10. TDS

**Write Short Answer**

11. Enlist the types of Architect office
12. What includes in office maintenance cost?
13. Enlist the various source of income for an architect office.
14. What is the Aim of CPM & PERT?
15. What is Work Breakdown Structures?

**Q.2 Answer the following (Attempt Any 3) (5 Marks Each)**

**15 Marks**

1. Write all the Salient Features of RERA to explain its Significance for real Estate Market.
2. What is Rent Control Act. List all the Clause introduced in Updated RCA
3. Explain Supply of Goods and Services in Construction Sector with help of Supply Graph and Factors Influencing Supply.
4. Explain Valuation of Projects and Buildings? List all the Factors Influencing Valuation and explain any one in detail?
5. Write the differences between Site Management and Site Development with help of a table.

**Q.3. Answer the following (Attempt Any 3) (5 Marks Each)****15 Marks**

1. Differentiate between CPM and PERT
2. Define 'Event' and 'Activity'. Differentiate Clearly between them.
3. Discuss Various Network Rules
4. Draw Work Breakdown Structure of a Residential Building based on Delivery Oriented Work Package.
5. The Detail of Construction Project are given below. Draw the network, find critical path and determine total time required for the completion of project.

| Activity | Duration in Days | Preceding Activity | Successding Activity |
|----------|------------------|--------------------|----------------------|
| A        | 4                | -                  | C,D                  |
| B        | 5                | -                  | D                    |
| C        | 7                | A                  | E,F                  |
| D        | 6                | A,B                | G                    |
| E        | 8                | C                  | -                    |
| F        | 5                | C                  | -                    |
| G        | 6                | D                  | -                    |

**Q.4. Answer the following (Attempt Any 3) (5 Marks Each)****15 Marks**

1. What are the points need to be consider for establishing the infrastructure of an Architect's office?
2. How do you manage an Architect's office system?
3. Explain the factors that affects the mismanagement of an office
4. Write a short note on "Types of Office"
5. Write a short note on "Office Administration"

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