

**SARVAJANIK UNIVERSITY**

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W-2025 Date: 03-12-25 Time :01:30 PM to 03:30 PM

Regular / Backlog Exam

**B. Architecture V- SEMESTER– IX EXAMINATION**

Course Code: BRAR 10903

Total Marks: 60

Course Name: Building Economics and Construction Management

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Draw Illustrations, Sketches, Labelled Diagrams where ever applicable

<b>Q1.</b>	<b>Answer the following (Compulsory) (1 X15) = 15 Marks</b>	<b>15 Marks</b>
	<b>As Directed -- State True or False / Fill in the Blanks</b>	
i	Full Form Of CREDAI is Confederation Of Real Estate Developers Association Of India. ( T/ F )	
ii	Full Form Of PPP in Economics is Purchasing Power Parity. ( T/ F )	
iii	Microeconomics is about National Employment, PPP, GDP. ( T/ F )	
iv	BRICS, EU, ASEAN are not business models ( T/ F )	
v	Factors affecting Supply in Markets are Push & Pull , Pricing Control, Regulations. ( T/ F )	
vi	Full Form Of LLP is limited liability partnership firm. ( T/ F )	
vii	Employee ..... Fund is a Long Term Saving Scheme for Social Security and Retirement Fund. ( <b>Fill in The Blanks</b> )	
viii	GST stands for Goods & Service Tax. ( T/ F )	
ix	The word 'Management' is derived from Italian word "Managgiare" which means "to handle" ( T/ F )	
x	Architects Office can be a Private Limited Firm. ( T/ F )	
xi	Full Form Of PPP In ..... is Public Private Partnership ( <b>Fill in the Blanks</b> )	
xii	CPM means Critical Project Method . ( T/ F )	
xiii	Work Breakdown Structure (WBS) is a project management tool. ( T/ F )	
xiv	Aim of CPM & PERT chart is to Increase Time and Costing of Project. ( T/ F )	
xv	Article 43 Deals With Contractors Welfare. ( T/ F )	
<b>Q.2</b>	<b>Explain In Brief ATTEMPT ANY THREE (3 x 5 = 15 Marks)</b>	<b>15 Marks</b>
i)	Write a short note on "Types of Office".	5 Marks
ii)	List all the Nine Important Points Of Office Administration. Explain the 'Office Staff Structure with help of a schematic diagram.	5 Marks
iii)	Explain Office Finance Management with help of Schematic Diagram, And Explain any one Aspect in Detail.	5 Marks
iv)	What are the points need to be considered for establishing the infrastructure of an Architect's office? Which are the Health & Safety Measures for an Office Space..?	5 Marks

<b>Q3</b>	<b>Explain In Brief</b>	<b>ATTEMPT ANY THREE (3 x 5 = 15 Marks)</b>	<b>15 Marks</b>
i)	Define 'Event' and 'Activity'. Differentiate Clearly between them.		5 Marks
ii)	Differentiate between CPM and PERT with help of a Table.		5 Marks
iii)	The Detail of Construction Project are given below. Draw the network, find critical path and determine total time required for the completion of project.		5 Marks
iv)	What are the three different Phases Of Project Management. Write the importance of Project Implementation process with example from your case study / real project examples done during group work.		5 Marks
			5 Marks
<b>Q4)</b>		<b>ATTEMPT ANY THREE (3 x 5 = 15 Marks)</b>	<b>15 Marks</b>
i)	Explain Supply Of Goods and Services in Construction Sector with help of Supply Graph And Factors Influencing Supply.		5 Marks
ii)	Explain the Term Building Economics..?? List the Key Components of Building Economics and it's Methods with help of a Chart.		5 Marks
iii)	What are the Factors Affecting the Property Development and Site Development..?? Explain in Detail.		5 Marks
iv)	What type of Safety and Precautions should be taken for Labour Safety and Welfare on a Construction Site..?? Explain in Detail .		5 Marks

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