



Reg. No.

--	--	--	--	--	--	--	--

VI Semester B.V.A. Degree Examination, June/July - 2026**INTERIOR AND SPATIAL DESIGN****Estimation and Project Management (Theory)
(NEP Scheme)****Time : 2½ Hours****Maximum Marks : 60****Instructions to Candidates:**

Answer all the questions with appropriate examples and sketches and drawings.

SECTION-A**Answer All questions.****(10×2=20)**

1. Define estimation in interior design.
2. What is square footage estimation?
3. List any two benefits of estimation.
4. What are take - offs in estimation?
5. Define specification writing.
6. What is Bill of Quantities (BOQ)?
7. Define project management.
8. What is the project life cycle?
9. Expand/Explain PERT and CPM.
10. What are SI Units?

**SECTION-B****Answer any Five questions.****(5×3=15)**

1. Define item - wise estimation.
2. What is project management and role of project manager in the project.
3. What is bar chart? Explain with a one example.
4. What is milestone in the project?
5. Explain project life cycle in detail.
6. Define procurement in project management.
7. State any two factors affecting estimation.

[P.T.O.]

**SECTION-C****Answer any Three questions.****(3×5=15)**

1. Write a short note on spreadsheet use in estimation.
2. Differentiate between PERT and CPM.
3. Explain different types of estimation methods.
4. What is rate analysis.

SECTION-D**Answer any One question.****(1×10=10)**

1. Prepare a mini BOQ for a study table including
 - * Material
 - * Labour
 - * Finishing

Tasks :

1. BOQ format
2. Assume rate for above
3. Calculate total cost for study table.

(Note : * Detailed calculations are required

* BOQ format is compulsory)

2. Wall painting estimation for a Room :-

A room has the following dimensions : -

- * Length = 6m
- * Width = 4 m
- * Height = 3 m
- One door for the room of size = 2.1 m×1.2 m
- Two windows for the room of size = 1.5 m×1.2 m (Each)

Task : - 1) Calculate total wall area

2) Deduct openings

- * Find net paintable area
 - * calculate paint required (1 litre = 10 sq.m)
-