

Bachelor of Architecture First Year First Semester Examination - 2025

DESIGN FUNDAMENTALS

Time: Three hours

Full marks: 100

Qs. no. 1 is compulsory. Answer any Four from the rest.

Blank pages left unnecessarily in the answer script will be discredited.

Answers to a question/ or part of it shall not be split across the answer script.

Answers with explanatory diagrams and sketches will be given due credit.

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| 1. | A. Fill in the blanks:
i. The four 'causes' of design are,, and
ii. The three attributes of tone are,, and
iii. The two basic methods of grouping are and
iv. Hogarth's Line of Beauty represents

B. Differentiate between (i) direction and attitude in figure organization
(ii) Shade and tint. | (10+10 =
20) |
| 2. | Elaborate with appropriate illustrations how the 'relative dynamic value of elements' may be applied to induce the quality of movement in design. | (20) |
| 3. | Write short notes substantiated with drawings on:
a. Triad hue interval b. Visual qualities
c. Colour dynamics d. Attention and attraction value | (4 × 5 =
20) |
| 4. | Geometrically construct the following out of a 10 cm square, retain the construction lines and explain proportion and rhythm with the help of your drawing:
i) Golden Mean rectangle ii) $\sqrt{5}$ rectangle | (10+10
= 20) |
| 5. | Describe the effects of simultaneous contrast of tone and colour temperature on (i) form (ii) relative proximity and (iii) weight. Use colours to illustrate your answer. | (20) |
| 6. | Consider an upcoming conference on 'Architecture and Environment'. Design a poster for this event in a 15 cm × 21 cm format following the principles of abstract composition. It may be either achromatic or chromatic, with a maximum of three tones. Add a brief explanation in support of your design. | (15+5
=20) |