

**Bachelor of Architecture First Year First Semester Supplementary Exam- 2024**

**DESIGN FUNDAMENTALS**

Time: Three hours

Full marks: 100

**Answer any FIVE questions. All questions carry equal marks.**

**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.**

1. Describe the qualities of a good design with an example of your choice. (20)
2. Explain the factors contributing to visual sensation with appropriate labelled diagrams. (20)
3.
  - i. Illustrate and explain the principles of Figure-Ground relationship and the types of grouping methods. (14+6 = 20)
  - ii. Prepare a reversible figure-ground composition of suitable size.
4. Write short notes on (any FOUR): (4 × 5= 20)
  - a. Axial balance
  - b. Visual qualities
  - c. Relative dynamic value of elements
  - d. Attention and attraction value
  - e. Radial balance
5. Draw labelled diagrams of the following and explain how proportion and rhythm are linked (any TWO): (10+10 = 20)
  - a. Golden Mean rectangle
  - b.  $\sqrt{2}$  rectangle
  - c.  $\sqrt{5}$  rectangle
6.
  - i. Draw the different colour schemes based on (a) colour wheel positions and (b) colour temperature. (10+10 = 20)
  - ii. Explain the effects of colour on perception of interior spaces of a building.