

THIRD SEMESTER DIPLOMA EXAMINATION IN ARCHITECTURE—
OCTOBER, 2013

PRINCIPLES OF DESIGN

[Time : 3 hours

(Maximum marks : 100)

Marks

PART—A

I Answer *all* questions in one or two sentences. Each question carries 2 marks.

1. Define form.
2. What is meant by stained glass ?
3. Draw the elevation of a building exemplifying personal character.
4. What is meant by visual perception ?
5. What is meant by conception of the idea in design process ? (5×2=10)

PART—B

II Answer *any five* questions. Each question carries 6 marks.

1. How the stairways are classified according to their location ? Explain each one.
2. Draw the Roman Doric order of architecture and mark the parts.
3. What is meant by Balance in architecture ? Explain how it is classified.
4. Write the importance of ordering principles.
5. Explain aerial effect in visual perception.
6. Write any three examples from history to prove the influence of topography on architecture.
7. Draw the view of a colonial house exemplifying the influence of economy on architecture. (5×6=30)

PART—C

(Answer *one* full question from each unit. Each question carries 15 marks.)

UNIT – I

- III (a) Explain with sketches the primary element of design the LINE. 5
- (b) Write the features of classical period. 5
- (c) Explain the importance of PLAN in architecture. 5

OR

	Marks
IV (a) Explain the role of Wall and Column as structural elements.	5
(b) Draw view of Gothic vault : (i) When it is employed over oblong plan; and (ii) When it is employed over square plan.	5
(c) What is meant by Balustrade ? Write its function.	5
UNIT – II	
V (a) What is meant by Golden mean ? Explain.	5
(b) Explain with sketches the principles-Rhythm and Scale.	(2×5=10)
OR	
VI (a) Explain with sketches-Axis and Datum as ordering principles.	(2×5=10)
(b) What is meant by Contrast of tone in architecture ? Explain with sketches.	5
UNIT – III	
VII (a) Explain with sketches Gestalt principles of grouping.	5
(b) What is meant by Figure-ground relationship ?	5
(c) Explain with sketches Gestalt principles related to goodness of figure.	5
OR	
VIII What is meant by optical illusion in architecture ? Explain with sketches illusion of weightlessness, illusion of plane dematerialization and correctional illusion.	15
UNIT – IV	
IX Explain how climate influenced plan, protective elements, circulatory elements, structural elements and decorative elements.	15
OR	
X Explain design methodology in architecture.	15
