

TED (15) 2181
(Revision 2015)

Reg.No.
Signature.

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE- APRIL - 2018.

PRINCIPLES OF DESIGN

(Maximum Marks : 100)

Time : 3 Hrs

PART - A
(Maximum marks: 10)

Marks

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

1. Differentiate between tint and shade.
2. Define harmony.
3. State any two points to be taken care of while making a presentation drawing
4. Write any two features of Villa Savoye.
5. Sketch two examples each for regular forms and irregular forms.

(5x2=10)

PART - B
(Maximum marks: 30)

II Answer any five of the following questions. Each question carries 6 marks.

1. Explain the characteristics of indoor spaces.
2. Explain the three different types of planes in architecture.
3. Define rhythm. Point out with sketches any three applications of rhythm which you have noticed in buildings.
4. Write note on character of a building. Describe the three categories of architectural character.
5. Describe the overall features and design concept of Tube House.
6. Describe the role of Poche and Mosaics in a presentation drawing.
7. With the help of a sketch explain the architectural features of Hagia Sophia at Istanbul.

(5x6=30)

PART - C

(Maximum marks: 60)

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

UNIT - I

- III. a. Explain the primary element volume and describe the solid space and void space in architectural design. (9)
b. Make a brief study of properties of form. (6)

OR

- IV.a. Describe the colour wheel and classification of colours on it. (8)
b. Point out the qualities of warm colours and cool colours and give examples for both. (7)

UNIT - II

- V. Dimensions and proportions of the human body are the deciding factors of form and space in architecture. Explain any two proportioning system based on this. (15)

OR

- VI.a. Illustrate the concept of balance in architecture. (6)
b. Explain the concept of symmetry in architecture with sketches of any two examples from historical buildings. (9)

UNIT - III

- VII (a) Write about program analysis and how it helps to prepare a scheme and Esquisse (9)
(b) Describe steps involved in preliminary studies. Mention the role of library research of similar examples and model making in finalizing the schedule. (6)

OR

- VIII Explain spatial organizations with the help of sketches (15)

UNIT - IV

- IX.a. Draw a neat sketch of Falling water by F.L. Wright and explain the concept and design features. (15)

OR

- X.a. Describe the style and features of designs by B V Doshi with reference to Hussain - Doshi gufa (15)