

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act,1956)

Course & Branch :B.Arch - ARCH

Title of the Paper :Theory of Architecture – I Max. Marks :80

Sub. Code :621103

Time : 3 Hours

Date :15/05/2010

Session :FN

(Instructions: Draw neat sketches wherever required)

PART – A

(8 x 4 = 32)

Answer All the Questions

1. State the definition and scope of Architecture.
2. List the classification of buildings according to their ratio of aesthetics to function.
3. Differentiate between Internal space and External space.
4. Explain how the shape and arrangement of openings influence the directional emphasis of forms.
5. What is Proportion in relation to Architecture?
6. Write briefly on 'Modulor'.
7. Discuss briefly on warm colours and cool colours.
8. Write short notes on 'Balance'.

PART – B

(4 x 12 = 48)

Answer All the Questions

9. Explain in detail the integration of Aesthetics and Function in Architectural design.

(or)

10. Architecture has been called as the 'Art of making spaces'- discuss the statement with examples.

11. Explain with sketches how the properties of enclosure affect the qualities of internal spaces in detail.

(or)

12. Explain with sketches the visual and emotional effects of the following geometrical forms and their derivatives.

(a) Cube

(b) Cone

13. Discuss about the theories of proportion and their application with examples.

(or)

14. What is scale in relation to Architecture? Explain Generic scale and Human scale, citing examples.

15. Describe the advantages of applying the ordering principles in the organization of forms or spaces. Explain the application of any three ordering principles in the designing of buildings with neat sketches.

(or)

16. Discuss in detail the role played by colours in the process of visual perception of interior spaces. Suggest and substantiate the colours you would recommend for the floor, walls and ceiling of a bed room in a residence.