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Register Number:

5521

Name of the Candidate:

B.Sc. DEGREE EXAMINATION, May 2015

(INTERIOR DESIGN)

(FIRST YEAR)

106: ENVIRONMENTAL PSYCHOLOGY AND HUMAN FACTORS

(Old Regulation)

Time: Three hours

Maximum: 60 marks

SECTION-A

(10×1=10)

Answer ALL questions

Fill in the blanks:

1. _____ metres in the normal width of a door.
2. Width of a kitchen sink is _____ in metres.
3. Environment refers to _____
4. Cross ventilation refers to _____
5. Orientation of buildings will control _____
6. Humidity can be controlled by _____
7. Natural lighting is required for _____
8. Water is used as a _____
9. _____ is a variable affecting comfort scale.
10. Internal blinds are used to _____

SECTION-B

(4×5=20)

Answer any FOUR questions

11. Explain the need for understanding Anthropometrics in design.
12. Describe the significance of anthropometry in Articulating the space.
13. Discuss the significance of Natural Habitat in Design.
14. Illustrate the elements of Natural Habitat with example.
15. Justify the need for comfort creation in a built environment.
16. Describe the process of convective cooling and its advantages.

SECTION-C**(3×10=30)****Answer any THREE questions**

17. Illustrate how and what are the Anthropometric data required in a design of Dining room.
18. Write in detail about the following:
 - a) Fresh Air Supply
 - b) Air –Flow through building
19. Describe in detail how orientation of building affects air movement with a neat sketch.
20. Illustrate the heat exchange process and state its significance in thermal comfort in buildings.
21. Give an account on:
 - a) Humidity measurement
 - b) Solar radiation
