


B. Arch. Part – I First Semester Final Examination, 2008

DESIGN FUNDAMENTALS (AR-101)

Time: 3 Hours

Full Marks: 70

Answer to Question no. 1 is compulsory.

Answer any other five questions taking at least two from each of the Groups – A & B.

Neat appropriate sketches will be given due credit.

1. Answer any ten of the following:— 1 x 10
- (a) Choose the most appropriate alternative —
- (i) If one looks fixedly at a spot of intense red, then shifts eyes to a white area, one shall see an afterimage of the spot in green-blue, its _____. (a) psychological complement, (b) physiological complement, (c) both (a) & (b), (d) none of these.
 - (ii) The phenomenon of mind supplying missing parts in a composition is termed as: (a) closure, (b) creation, (c) gradation, (d) illusion.
 - (iii) Equivalent term to "Brightness of light" is: (a) "Value of pigmentation", (b) "Hue of pigmentation", (c) "Chroma of pigmentation", (d) "Intensity of pigmentation".
- (b) Indicate true (T) or False (F) against the following statements —
- (iv) Unity is not the only essential element of design organisation.
 - (v) When two different values are presented in simultaneous contrast, the lighter one will look lighter, the darker one darker.
 - (vi) Perspective is the only way for creating space illusion on two-dimensional plane.
- (c) Fill in the blanks with appropriate word / words —
- (vii) _____ colour scheme uses one underlying hue as the base.
 - (viii) _____ is the effect of light modelling in painting, where three-dimensional volume is suggested by highlights and shadow.
 - (ix) When light is incident on the surface of a solid, then the _____ is what makes the core of the shadow appear to be away from the edge of the object.
- (d) Match items in the left hand column with appropriate ones from the right—
- | | |
|------------------------|------------------------------|
| (x) Amplitude | (a) First Cause |
| (xi) Human Need | (b) Last Cause |
| (xii) Lateral Thinking | (c) Qualitative alternatives |
| | (d) Quantitative dimension |

GROUP – A

2. (a) Define composition. 3
(b) Name and define the fundamental elements of composition. 3 + 6
3. In relation to 'figure organisation', explain the two phenomena of "attraction value" and "attention value". 6 + 6
4. (a) While referring to 'unity in composition', what do we mean by "being organic"? 4
(b) Mentioning the different qualities of visual unity, discuss any one of them. 2 + 6
5. Write short notes on the following: — 6 x 2
(a) Design;
(b) Form follows function.

GROUP – B

6. (a) Is there any difference between coloured light emitted directly from an illuminant and that being reflected from a paint? Justify your answer. 6
(b) What is the difference between "shades" and "tints"? 6
7. Discuss the physiological-psychological basis for colour relationships. 12
8. Elucidate how indication of depth can be depicted on a two dimensional plane. 12