



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – March 2021 I Semester

Class : I UG

Major : Interior Design and Resource management

Time : 3 Hours

Max. Marks: 100

18BIDC02 Colour and Lighting

Part A

10 x 1 = 10

Choose the Correct Answer

1. Identify the functional lighting from the given four options.
a. Ambient b. Task c. Accent d. Decorative
2. The use of light to achieve practical and aesthetic effect in an interior space is referred as _____
a. ornamentation b. enlightenment c. illumination d. lightning
3. The method of lighting, often used to throw light to the ceiling and back down is called _____
a. up lighting b. down lighting c. backlighting d. indirect lighting
4. Identify the number of colours combined in sunlight.
a. 6 b. 7 c. 9 d. 8
5. Interior settings are always displayed to their fullest with a good _____ scheme behind them.
a. plumbing b. lighting c. painting d. colouring
6. The resultant group of colours when a primary and a neighbouring secondary are mixed in equal proportions.
a. binary b. intermediate c. tertiary d. quarternary
7. If colour is made darker by adding black is called _____.
a. shade b. tint c. tone d. tan
8. Cool colours which lead to apparent quietness are termed _____ colours.
a. active b. neutral c. passive d. advancing
9. Reducing the contrast between bright light and shadow can avoid the causing of _____ due to light intensity.
a. illusion b. mirage c. reflection d. glare
10. The energy efficient luminaires which are the current trend in the market.
a. sodium vapour b. neon c. LED d. optic fibre

Part B

5 x 6 = 30

Answer ALL questions
Each answer should not exceed 400 words or two pages

- 11.a. What are the cultural connotations associated with colours? Narrate with examples.
(or)
- 11.b. Describe the different artificial light sources commonly used at homes.
- 12.a. Classify and explain the different colour harmonies.
(or)
- 12.b. Discuss the methods of lighting techniques used in modern interiors.
- 13.a. How can you measure light falling on a surface?
(or)
- 13.b. Suggest and justify suitable colour schemes for contemporary and traditional style living room.
- 14.a. Analyse the effect of light on the colour and texture of fabrics used in interiors.
(or)
- 14.b. Discuss the psychological effects of colours.
- 15.a. Give a brief description on primary, secondary, tertiary and intermediate colours.
(or)
- 15.b. Explain the lighting requirements for various activities performed in the household.

Part C

5 x 12 = 60

Answer ALL questions
Each answer should not exceed 800 words or four pages

- 16.a. Analyse in detail the importance of artificial lighting for non-residential interior spaces giving adequate examples.
(or)
- 16.b. Express the factors to be considered, while painting different rooms in a home. Suggest suitable colour combinations for each room.
- 17.a. Illustrate a living cum dining space and neutral apply direct complementary colour harmony. How will you apply the principle of emphasis in it through the use of colour harmony stated above.
(or)
- 17.b. Analyse the benefits of natural lighting for the inhabitants. Illustrate various means of improving availability of natural light in interiors.
- 18.a. Establish the relationship between light and colour in general. How the characteristics of light and colour can be effectively utilized to enhance interiors?
(or)
- 18.b. Critically evaluate the colour harmonies on the basis of its application in public and private areas of a house.
- 19.a. Develop the lighting and colour design of a retail jewellery outlet with supportive figures.
(or)
- 19.b. Describe Munsell colour system. (One each)
- 20.a. Assess the role and significance of colour in everyday life and demonstrate with figures a few design effects produced by the creative use of colours in living space.
(or)
- 20.b. Describe the importance of lighting in the interiors. Classify and explain lighting types and fixtures based on functionality.
