

**Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University) Coimbatore – 641043**

**Master's Degree Examination November 2018
Semester – III**

Class : II PG

Time : 3 hours

Major : Interior Design and Resource Management

Max. marks : 60

17MIRC13 – Trends in Architecture and Building Design

Part A

Choose the correct answer

10 X 1/2 =5

1. An architectural element that resembles the hollow upper half of a sphere is called as
a) Vault b) arch c) dome d) buttress
2. _____ is an enclosure built within a body of water to allow the enclosed area to be pumped out.
a) Pier b) cofferdam c) aqueduct d) abutments
3. Colosseum at Rome is
a) A worship place b) an amphitheatre c) a house d) a palace
4. Dravidian style of Indian architecture was being practiced in
a) Tamil Nadu b) Orissa c) Rajasthan d) Karnataka
5. Which one among the following is not included in physiological biometrics?
a) face recognition b) fingerprint c) hand geometry d) voice recognition
6. It is a form of gate which allows one person to pass at a time.
a) Turnstile b) kinetic walkways c) sliding door d) Shutter
7. Vihara is a part of
a) Roman architecture b) Buddhist architecture
c) Gothic architecture d) Moghal architecture
8. Which architect is famous for his brick work in Kerala?
a) Le Corbusier b) Laurie Baker c) Sunita Kohli d) Charles Corea
9. A movable, wing-like sunscreen that rests on top of the Milwaukee Art Museum is
a) Al Bahar Towers b) Kingsgate Bridge c) Burke Brise Soleil d) Blur building
10. Indicate the eco friendly building material.
a) Steel b) cement c) brick d) bamboo

Part B

5 X 4 = 20

Answer ALL Questions

Answer should not exceed 200 words or one page

- 11.a. What are the classical orders of architecture?
(Or)
- 11.b. Explain the functions of flying buttress, lintels, scaffolding and centering.
- 12.a. Briefly explain the features of rock cut temples at Mahabalipuram.
(Or)
- 12.b. Discuss the construction details of Lotus temple.
- 13.a. Write a brief note on Zaragoza digital mile.
(Or)
- 13.b. What is conveyor belt? Explain its uses in industries and in airports.
- 14.a. Explain the concept of Interactive architecture citing examples.
(Or)
- 14.b. What are geodesic domes? Write their advantages.
- 15.a. Write about the future trend in building automation.
(Or)
- 15.b. Give the basic principles of Feng shui?

Part C

5 X 7 = 35

Answer ALL Questions

Answer should not exceed 600 words or three pages

- 16.a. Explain the elementary forms of construction with illustrations.
(Or)
- 16.b. Discuss the design philosophy of two famous architects in India citing their novel architectural work.
- 17.a. Describe in detail the Principles of organic architecture.
(Or)
- 17.b. Explain the salient features of Greek architecture.
- 18.a. Enumerate the Intelligent security services which are indispensable in modern architecture.
(Or)
- 18.b. Explain the recent trends in portable installation with examples.
- 19.a. Write in detail the construction techniques of Tower bridge in London?
(Or)
- 19.b. Explain the concept of responsive and kinetic architecture by giving examples.
- 20.a. What is meant by Vastu shastra? Critically analyse the application of Vastu shastra in modern dwellings.
(Or)
- 20.b. Discuss the role of innovative materials and new technologies in creating modern structures.