

**Avinashlingam Institute for Home Science and Higher Education for Women  
Colombatore-641043**

**Master's Degree Examination – November 2017  
III Semester**

**Class: II PG**  
**Major: Interior Design and Resource Management**

**Max. marks: 60**  
**Time: 3 hours**

**12MIRC13 Trends in Architecture and Building Design**

**Part A**  
**Answer the following**

**10 x ½ = 5**

**Choose the correct Answer:**

1. A style influenced by geometric figures is  
a) Renaissance      b) Gothic      c) Romanesque      d) Art deco
2. Egyptian architecture is characterized by  
a) Massiveness and ornamentation      b) Monumental & tabulated  
c) Highly decorative      d) Very ornate
3. What do you call the recess found in the dome to make the structure lighter?  
a) Oculus      b) Coffers      c) Pendentive      d) Podium
4. What is a common striking feature of a church?  
a) Bell tower      b) Façade      c) Buttress      d) Ornate pediments
5. This is called as gathering place in mughal architecture.  
a) Mimbar      b) Mihrab      c) Minaret      d) Kaba
6. Column distance is 4D.  
a) Pycnostyle      b) Systyle      c) Aerostyle      d) Eustyle
7. Tallest Skyscraper in the world is  
a) BurjKhalifa      b) Shanghai Towers      c) One World trade centre      d) Empire state building
8. NATA stands for  
a) National Aptitude Test in Architecture      b) National Architects Training Association  
c) National Architecture Test of Aptitude      d) National Aptitude Test for Agriculture
9. The Corinthian, the favourite order belongs to  
a) Greek      b) Egyptian      c) Romans      d) Medieval
10. The Smart home also known as  
a) Home Automation      b) Technology home      c) Scientific home      d) Modern Home

**Part B**

**5 x 4 = 20**

**Answer ALL questions**

**Each answer should not exceed 200 words or one page**

11 a) Briefly explain the role of aqueducts.

Or

11 b) Differentiate between Row houses and Duplex houses

12 a) Classify different types of architecture based on structures.

Or

12 b) What do you understand by Ecological Architecture? Explain.

13 a) Bring out the essence of Art Nouveau as part of Contemporary Architecture

Or

13 b) Does the skyscrapers really reduce the space availability of Urban planning?

14 a) What are the essential supporting elements in a structure? Explain any one in detail with sketches.

Or

14 b) Define Kinetic space. List the character of kinetic spaces and its role in space design.

15 a) Why do you think designing for small space is a challenge into for designers?

Or

15 b) Explain the influence of technology in modern architecture.

**Part C**

**5 x 7 = 35**

**Answer all the questions**

**Answer should not exceed 600 words or 3 pages**

16 a) Do you believe ergonomics is an essential factor to be considered while designing? Explain.

Or

16 b) Differentiate the Gothic pointed arch to the Islamic architecture dome design using proper diagrams.

17 a) Elaborate the Greek architecture and bring out the salient features with suitable illustrations.

Or

17 b) Discuss the Indian architects and their role in preserving the culture and history.

18 a) Give a note on the following: i) Flying Buttress ii) Vaults and Domes

Or

18 b) What is a free form in architecture? Discuss with examples.

19 a) Explain few smart home gadgets which are installed for the security purposes at residential dwelling.

or

19 b) With the help of a simple line sketch, describe the Caravans and Mobile homes design, its role in outdoor living and the materials used for constructing.

20 a) Elaborate the future trends in architecture with influence of modern methods, materials and constraints in space availability.

or

20 b) What are the basic factors to be considered while planning a commercial retail stores? Explain in detail.

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