

**Avinashilingam Institute for Home Science and Higher Education for Women
[Deemed to be University] Coimbatore – 641 043**

Bachelor's Degree Examination – November 2018

Semester V

Class : III UG

Time : 3 Hours

Major : Interior Design and Resource Management

Max. Marks : 100

15BIDC18 Building Materials and Finishes

Part – A

10 x 1 = 10

Choose the Correct Answer

1. Part of building constructed below ground level is
 - a. plinth
 - b. foundation
 - c. roof
 - d. stairs
2. A part of super structure located between the ground level and the floor level is
 - a. plinth
 - b. masonry
 - c. shed
 - d. ramp
3. Concrete is composite material composed of
 - a. fine and coarse aggregate, fluid, cement
 - b. Semi liquid with adhesives
 - c. mixed with calcium
 - d. solid material mixed with finishes.
4. This plastic covering is applied on the surfaces of walls called as
 - a. putting
 - b. plastering
 - c. pointing
 - d. beading
5. Lime mortar consists of equal volumes of
 - a. lime and cement
 - b. lime and sand
 - c. lime and plaster
 - d. lime and water
6. Cement mortar consists of
 - a. One part cement four part river sand
 - b. Four part cement one part river sand
 - c. Three part sand and one part cement
 - d. Two part cement, three part river sand
7. Cedar wall paper is preferred for
 - a. repellent to moth damage
 - b. repellent to moisture
 - c. repellent to beetles
 - d. repellent to cockroach
8. Creating plaster ceiling involves applying
 - a. several layers of plaster paste
 - b. plaster part with strips of wood
 - c. plaster with chips
 - d. plaster with sand
9. Ceiling tiles are
 - a. over weight
 - b. weight less
 - c. moderate weight
 - d. light weight
10. Green building is also known as
 - a. eco friendly construction
 - b. super structure
 - c. sustainable building
 - d. resource efficient

Part – B

5 x 6 = 30

Answer the following

Answer should not exceed 400 words or two pages

- 11.a. Write an account on dimensional stability of building.
(Or)
- 11.b. Give an explanation on natural building materials used in building construction.
- 12.a. Enumerate the role of sand in construction of building.
(Or)
- 12.b. How will you choose wood for building construction.
- 13.a. Discuss the factors to be considered for selection of wall finishes.
(Or)
- 13.b. What is the meaning of wood paneling? Give the uses of wood paneling.
- 14.a. Write short notes on care and maintenance of marble flooring.
(Or)
- 14.b. Describe the advantages of false ceiling.
- 15.a. Discuss the difference between glass ceiling and metal ceiling.
(Or)
- 15.b. Give the advantages of green building materials.

Part – C

5 x 12 = 60

Answer the following

Answer should not exceed 800 words or four pages

- 16.a. Explain the basic components of a building structure with illustration.
(Or)
- 16.b. Discuss in detail the structural elements of a building.
- 17.a. Elaborately discuss the uses and importance of brick in construction of building.
(Or)
- 17.b. Bring about the advantages and disadvantages of using plastic in building.
- 18.a. Discuss the various factors affecting the selection of flooring materials.
(Or)
- 18.b. Briefly write on the importance of using paint and wall papers.
- 19.a. What is meant by shingles? Discuss.
(Or)
- 19.b. Enumerate on the acoustical ceiling materials.
- 20.a. Write in detail the types of exterior and interior finishes.
(Or)
- 20.b. What are the objectives and features of using green building materials.
