

## ARCHITECTURAL DRAUGHTSMAN QUESTION BANK

### ELEMENTS OF DESIGN AND BUILDING MATERIALS

1. What is the advantage of providing texture for exterior of a building?  
a) It increase the cost of construction    b) It enhances the quality of the surface  
b) It provides strength to the building    d) It can withstand load
2. Which material is recommended for fire resisting floor and roof?  
a) Bamboo                      b) PVC                      c) Wood                      d) concrete
3. Which element has no length, width or depth?  
a) Line                      b) point                      c) circle                      d) square
4. Which element has length, direction and position?  
a) Volume                      b) plane                      c) line                      d) texture
5. What is the property of a point?  
a) It is centralized and directionless    b) describes an edge of any space  
b) Repetition of lines                      d) formation of plane
6. What is the natural process of rendering timber free of the sap called?  
a) Scribing                      b) seasoning                      c) studding                      d) veneering
7. Which material requires moulding to make it usable for construction?  
a) Sand                      b) stone                      c) brick                      d) cement
8. Which method of burning is used for bricks?  
a) Motor mill                      b) kiln burning                      c) grinding machine                      d) seasoning kiln
9. Which color scheme consists of using one color in varying intensities?  
a) Monochromic                      b) analogous                      c) achromatic                      d) complementary
10. Which stone has high crushing strength?  
A) Sand stone                      b) lime stone                      c) marble                      d) granite
11. What is the use of lime in mortar?  
a) It provides shape    b) it increases the burning    c) it provides colors    d) it acts as binding material
12. Which color is said to be a neutral color?
13. Which material is obtained by crushing old bricks and brick bats to very fine powder?  
a) Cement                      b) sand                      c) lime                      d) surkhi
14. Which element has shape, surface, orientation?  
a) Motion                      b)space                      c) point                      d) plane
15. What is the distortion of shape occurring during shrinkage of wood?  
a) Wet rot                      b) warp                      c) dry rot                      d) foxiness
16. What is plane figure bounded by three sides and three angles called?
17. Which one is an example of parallel plane?  
a) Curved line                      b) railway track                      c) man hole cover                      d) square sheet
18. What is the function of good sand?  
a) Or drying it should prevent cracks in mortar    b)shrinkage should be increased  
c) density should be reduced                      d) it should not set early
19. What is the process of keeping concrete moist for a certain period?  
a) Compaction of concrete    b) finishing of concrete    c) curing of concrete    d) placing of concrete
20. What is the major ingredient in cement?  
a) gypsum                      b) lime                      c) iron oxide                      d) alumina

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21. What is the function of good mortar?

- a) it helps to fill up empty joints in masonry      b) it helps to increase shrinkage  
c) it helps in taking load      d) it helps in water logged areas

22. What is a plane figure having four equal side and four right angles called?

23. What is the cement sand ratio for brick masonry?

24. What is a prismatic solid bounded by six equal square sides called?

25. Which one is a natural defect in timber?

- a) rind gall      b) seasoning      c) sap wood      d) bark

26. Identify the correct principle of line

- a) line describes the edge and gives shape to planes      b) line has no dimensions  
c) line has volume      d) line marks a position in space

27. What is the mortar ratio for pointing of cladding?

28. What is the purpose of providing windows for rooms?

- a) to provide light and ventilation      b) to increase the room size  
c) to decrease the construction cost      d) to provide shape to the building

29. Columns and beams form what kind of structure?

- a) circular structure      b) framed structure      c) non load bearing structure      d) horizontal structure

30. Which one is an natural source of light

- a) space      b) sun      c) surface      d) fire