

## ARCHITECTURAL DRAUGHTSMAN QUESTION BANK

### PRINCIPLES OF DESIGN AND DESIGN IDEAS

- When a building is designed, which aspects can be satisfied by using elements such as sloped roofs, decorative columns, roofs for windows?  
a) Aesthetics                      b) creating                      c) designing                      d) planning
- What is psychological sense of equilibrium which places the parts of a visual in an aesthetically pleasing arrangement?  
a) Balance                      b) repetition                      c) movement                      d) proportion
- Which refers to the relative size and scale of the various elements in a design?  
a) Movement                      b) perspective                      c) proportion                      d) scaling
- What is created through the arrangement of objects in two-dimensional space to look like they appear in real life?  
a) Element                      b) perspective                      c) planning                      d) movement
- Which term has no dimension or magnitude but its importance and denotes its position in space?  
a) Circle                      b) point                      c) line                      d) figure
- What is the portion of building between the surface of any floor and surface of succeeding floor termed?  
a) Mezzanine                      b) porch                      c) ceiling                      d) storey
- What is the process of procuring a preliminary sketch of an object that is to be physically constructed later?  
a) Aesthetics                      b) erecting                      c) designing                      d) construction
- What is the formula for floor area ratio FAR?  
a) Ground floor area / first floor area                      b) plinth area / plot area  
b) Plot area / built area                      d) total floor area of all floors / total site area
- What is the purpose of contour lines at site plan?  
a) Indicating location of fire hydrant                      b) indicating slopes at site  
c) Indicating north line and wind direction                      d) indicating building zone
- What is the sequence process of a design?  
a) Bubble diagram, site analysis, design plan and requirement  
b) Requirements, bubble diagram, design plan and the site analysis  
c) Design plan, bubble diagram, site analysis and requirement  
d) Site analysis, requirements, bubble diagram and design plan
- Which design consists of practical or down to earth design?  
a) Canonic design                      b) analogical design                      c) pragmatic design                      d) iconic design
- What is the advantage of texture in designing a building?  
a) It expresses the quality of material                      b) it does not give a particular quality of light  
c) it does not highlight and create a feel                      d) it increases the cost
- What are the primary colors?
- How does light emphasis a building?  
a) light decreases visual expression                      b) light increases the cost of construction  
c) light increases the living quality of nature                      d) light doesn't emphasis a building
- Which principle of design refers as a point of focus or attention in a design?  
a) symmetry                      b) balance                      c) emphasis                      d) character

16. What is the purpose of symmetrical or formal balance in a design?
- a) it emphasis the element
  - b) it gives a feel of dignity and restraint
  - c) It provides a vibrant effect
  - d) it provides good ventilation
17. Which principle of design describes a movement of eye across a design?
- a) emphasis
  - b) proportion
  - c) rhythm
  - d) balance
18. What is unity alternatively called?
- a) repetition
  - b) harmony
  - c) rhythm
  - d) scale
19. What is colours that are directly opposite to each other in a color wheel called?
- a) tertiary colors
  - b) secondary colors
  - c) monochromatic colors
  - d) complementary colors
20. What is the lower storey of a building below plinth level called?
21. What is the standard height of a residential building for each floor?
22. What is the open to sky space which is enclosed partially or fully in a residence called?
- a) balcony
  - b) courtyard
  - c) mezzanine floor
  - d) terrace
23. What is the purpose of setback in a residential building?
- a) it increases the cost of the building
  - b) it provides a gap between adjacent building
  - c) it reduces the floor space
  - d) it provides good built-up area
24. What does site analysis include?
- a) details of quantities of materials
  - b) costing of building
  - c) soil conditions and climatic conditions
  - d) design drawings
25. What is the purpose of site analysis?
- a) to increase slope
  - b) to minimise soil disturbance and erosion
  - c) to remove existing vegetation
  - d) to design bubble diagram
26. What is the importance of soil study in site analysis?
- a) to minimise vegetation
  - b) to analyse the soil condition
  - c) to increase the cost of construction
  - d) to increase the slope depth
27. What is the advantage of contours in hilly regions?
- a) it increases built-up area
  - b) it reduces the building cost
  - c) it can reduce soil erosion
  - d) it increases soil erosion
28. What is the shortcut key for erase in AUTOCAD?
29. What is the command for TR?
30. What is the purpose of fillet command?

31. What is the necessary of layers in any drawing?

- a) it helps in keeping the records
- b) It gives the 3D effect
- c) it helps in freezing components as and when required
- d) it helps in dimension only

32. What is the shortcut key for extend?

33. What is the command for SC?

34. Which one is a geometrical form?

- a) line
- b) cubes
- c) point
- d) spline

35. Why is bubble diagram important in functional planning?

- a) it helps in clustering the requirements
- b) it helps to reduce the cost
- c) it helps in elevation design
- d) it helps in site analysis

36. Which process is required before starting the concept plan?

- a) design elevation
- b) bubble diagram
- c) design section
- d) design landscape

37. Which one is a vertical circulation element?

- a) corridor
- b) pathway
- c) escalators
- d) bridge

38. Which one is an interesting variation of a multi storey house?

- a) split level house
- b) single storey house
- c) row house
- d) apartment

39. What is an open roofed entrance hall or central court in a residence called?

- a) courtyard
- b) atrium
- c) pergola
- d) porch

40. Which is an ideal flooring for kitchen?

- a) rubber floor
- b) granite floor
- c) carpet floor
- d) brick floor

41. Which flooring increases the elegance for a bedroom?

- a) terrazzo flooring
- b) cement flooring
- c) rubber flooring
- d) wooden flooring

42. What is an ideal size of a toilet in a residence?

- a) 5x5m
- b) 1.5x1.8m
- c) 3x4m
- d) 1x1m

43. What is the ideal width of a sofa?

44. What is the standard height of a dining table?

45. Why is open spaces required for a good residence design?

- a) for parking vehicles only
- b) it provides provision of roof height
- c) a better ventilation can be provided
- d) for reducing building cost

46. Why should the bed not placed in north side?

- a) because of no ventilation
- b) because the magnetic field lies in the north south direction
- c) because of wind direction
- d) because of building height