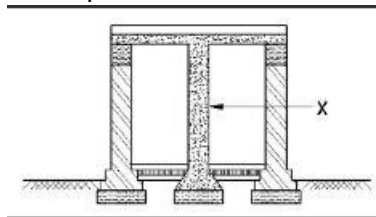


ARCHITECTURAL DRAUGHTSMAN QUESTION BANK

STRUCTURAL PANELS AND STAIRS

1. What is the vertical member of a stair which is fixed between string and handrail called?
2. What is an unbroken series of steps between landings called?
3. What is the vertical member of a stair, which are placed at the end of the flights to support eh handrail called?
4. Which among the following statement is true?
 - a) A straight stair has only one flight
 - b) in a circular stair, the flight consists of winders only
 - c) geometrical stair is also called spiral stair
 - d) dog legged stairs has no landing
5. What is the inclination of a stair to its horizontal limit?
 - a) 10 to 20 degree
 - b) 30 to 45 degree
 - c) 45 to 60 degree
 - d) 5 to 10 degree
6. What is a tapering step that changes the direction of the flight
 - a) spandrel
 - b) rise
 - c) going
 - d) windows
7. What is the minimum headroom height required for a good stair?
8. What is the vertical distance between two successive treads of a stair termed?
9. What is the under surface of a stair termed?
10. What is the standard height of a staircase handrail?
11. What is the number of treads in each flight in a dog legged stair provided in an office building for a total height of 3.60m in a staircase 2.8mx6m with two equal flights if rise = 16.36cm?
12. In which type of a stair, the steps project from the central post?
13. Which one is also termed as load bearing wall?
 - a) structural wall
 - b) partition wall
 - c) curtain wall
 - d) dwarf wall
14. Which type of structures are used in high rise buildings?
 - a) framed structures
 - b) composite structures
 - c) load bearing structures
 - d) partition structures
15. Which wall is designed to carry super imposed loads from floors and roofs?
 - a) non load bearing wall
 - b) load bearing wall
 - c) retaining wall
 - d) partition wall
16. What is the part marked as X in the composite structures

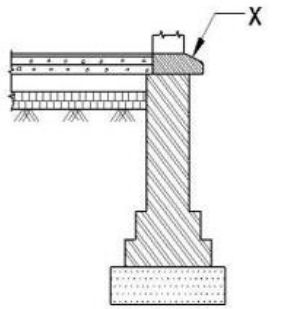


- a) RCC beam
 - b) RCC slab
 - c) RCC column
 - d) RCC base slab
17. which wall system uses prefabricated RCC panels as load bearing walls?
 - a) longitudinal wall system
 - b) transverse wall system
 - c) cross wall system
 - d) zigzag wall system

18. Which component of building is a flat horizontal surface?

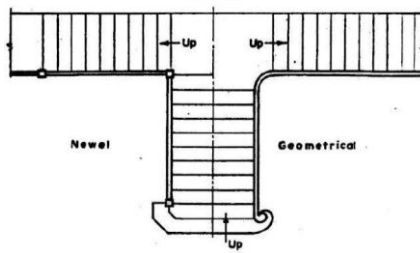
- a) retaining wall b) column c) slab d) beam

19. What is the part marked as X?

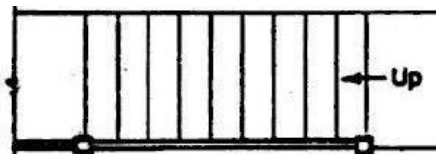


- a) damp proofing b) plinth course c) parapet coping d) cornice

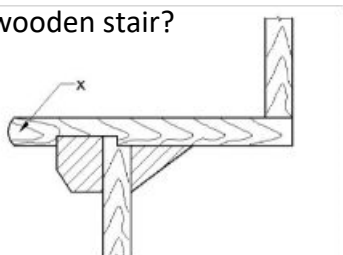
20. What is the type of stair?



21. What is the type of stair?

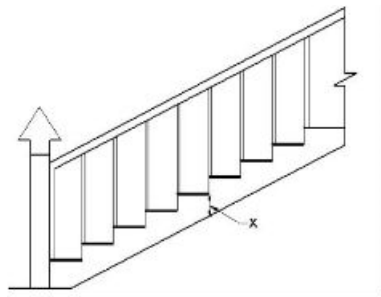


22. What is the part marked as X in the wooden stair?



23. What is the common metal used for the construction of stairs?

24. What is the part marked as X?



25. What is the thickness of partition brick wall

26. What is the advantage of framed structures?

- a) transportation is reduced b) windows can be big c) freedom in planning d) stairs is not necessary

27. What is the advantage of precast concrete?

- a) the precast articles may be given the desired shape and finish with accuracy
- b) the work can be completed in long time
- c) the precast structures cannot be dismantled suitably
- d) precast can be expensive

28. What is the disadvantage of precast concrete?

- a) precast units may be damaged during transport
- b) special equipment are not required for lifting and moving
- c) transportation cost will be decreased
- d) work can be completed in short time

29. Which one is a structural steel member?

- a) corrugated cement sheet
- b) I section
- c) handrail
- d) metal roof sheet

30. What is the additional moulding provided to the nosing below the tread called?

31. What is the standard width of stair for residence?

32. What is a stair turning through two right angles called?

33. Which stairs consists only winders?

34. What does moving stair electrically operated called?

35. Which stairs is more suitable for grand residence?

- a) circular stair
- b) straight stair
- c) spiral stair
- d) dog legged stair

36. What is the advantage of wooden stair?

- a) light in weight
- b) strong and durable
- c) fire resistant
- d) can carry heavy weight

37. Which type of stair is not frequently used?

- a) brick stair
- b) wooden stair
- c) steel stair
- d) RCC stair

38. Which type of stair is used as fire escape stairs in commercial building?

- a) RCC stair
- b) metal stair
- c) wooden stair
- d) stone stair

39. Which type of stair is ideal for factories?

- a) spiral stair
- b) circular stair
- c) dog legged stair
- d) geometrical stair

40. Which type of stair is commonly used in all types of construction?

- a) wooden stairs
- b) stone stairs
- c) RCC stair
- d) brick stairs

41. What is the ideal width of the thread for a good wooden stair?

42. What should be the ideal location of stair in an building?

- a) next to kitchen b) in front of the entrance c) in one extreme corner d) easily accessible from all rooms

43. Where is spiral stairs normally located?

- a) for main stair purpose b) for external use in residence c) in schools d) in hospitals

44. Which stair is connected by a central pole?

45. which material is ideal for spiral stair?

46. Which type of stair forms a helical shape in elevation?

47. What is the advantage of steel truss over timber truss?

- a) they cannot be fabricated in any shape b) they are fire proof and termite proof
c) they are expensive d) they are maintenance free

48. What is the advantage of composite steel truss?

- a) low cost of fabrication b) special fittings are required at the junction of composite materials
c) they are strong and more durable d) they are fire proof

49. What is the thickness of partition brick wall?