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**Q : 1) The window provided on the sloping roof of a building is called-**

**A : Dormer window**

**B : Bay window**

**C : Sky light window**

**D : Glazed window**





**Q : 2) The horizontal member of the frame which divides the window horizontally is**

**A : Rail**

**B : Transit**

**C : Transom**

**D : Divider**



**Q : 3) The width of rebate provided in a door frame is equal to the width of the shutter whereas depth of the rebate provided should be**

**A : 50 mm**

**B : 20 mm**

**C : 12 mm or 13 mm**

**D : 5 mm to 8 mm**





**Q : 4) Which of the following doors provides entrance to one and exit to another simultaneously, and closes automatically when not in use?**

**A : Sliding door**

**B : Collapsible door**

**C : Revolving door**

**D : Flush door**



**Q : 5) In a wooden door, “stile” is the**

**A : Outside vertical member of the shutter**

**B : Top most horizontal member of the shutter**

**C : Middle horizontal member of the shutter**

**D : Horizontal projection of head**





**Q : 6) From practical considerations and effective working of the ventilation system, the desired value of rate of air changes per hour is**

**A : One**

**B : Five**

**C : Twenty**

**D : Thirty**



**Q : 7) Which of the following type of door can allow air circulation and privacy, even when it is closed?**

**A : Wire gauge**

**B : Louvered**

**C : Part paneled, part glazed**

**D : Flush door**





**Q : 8) Glazed doors are more suited for**

**A : Box room**

**B : Toilet**

**C : Dressing room**

**D : Hospital**



**Q : 9) What is a mullion in a window shutter?**

**A : Vertical member running through shutter of window**

**B : Horizontal member of shutter**

**C : Inclined battening**

**D : None of the above**





**Q : 10) A vertical window provided on the sloping roof is known as:**

**A : Gable window**

**B : Dormer window**

**C : Sky light**

**D : Lantern window**



**Q : 11) The vertical member use din door frame is called-**

**A : Post**

**B : Hanging style**

**C : Sill**

**D : Rail**



**Q : 12) The vertical sides of a door and window openings provided in a wall are known as**

**A : Verticals**

**B : Reveals**

**C : Jambs**

**D : Rebate**





**Q : 13) A horizontal member of stone, concrete or wood provided to give support for the vertical members of a wooden window, is called**

**A : Sill**

**B : Quoin**

**C : Jamb**

**D : Reveal**



**Q : 14) Sash doors are most suited for**

**A : Hospitals**

**B : Toilets**

**C : Box rooms**

**D : Dressing rooms**



**Q : 15) In a residential building the width of a door should not be less than:**

**A : 1.2 m**

**B : 0.9 m**

**C : 0.6 m**

**D : 0.75 m**





**Q : 16) '10 DT 24' represents**

**A : Frame of double shutter window with a width of 24 modules and height of 10 modulus**

**B : Frame of double shutter window with a width of 10 modules and height of 24 modulus**

**C : Frame of double shutter door with a width of 24 modules and height of 10 modules**

**D : Frame of double shutter door with a width of 10 modulus and height of 24 modules**



**Q : 17) The minimum number of holdfasts recommended on each side of a door frame and a window frame respectively are**

**A : 2 and 1**

**B : 3 and 2**

**C : 2 and 2**

**D : 2 and 3**



**Q : 18) Match List-I with List-II and select the correct answer using code given the two list in each equation.**

List-I	List-II
A. Revolving door	1. For air conditioned building
B. Sliding door	2. For garage and workshop
C. Swinging door	3. For residential building
D. Folding door	4. For covering large opening

**A : 4, 3, 2, 1**

**B : 1, 3, 2, 4**

**C : 1, 2, 3, 4**

**D : 2, 1, 3, 4**





**Q : 19) For the purpose of air circulation which door is provided?**

**A : Battened and ledged door**

**B : Louvered door**

**C : Flush door**

**D : Air vent door**



**Q : 20) The vertical distance between the springing line and highest point of the inner curve of an arch is known as:**

**A : Intrados**

**B : Rise**

**C : Spandril**

**D : Extrados**



**Q : 21) The highest point on the extrados of the arch is known as**

**A : Summit**

**B : Ridge**

**C : Crown**

**D : Peak**





**Q : 22) Soffit is**

**A : The under surface of an arch**

**B : The top surface of an arch**

**C : The curvature of an arch**

**D : None of the above**



**Q : 23) When the rise of an arch is more than the span, then the arch is called as**

**A : Lancet arch**

**B : Venetian arch**

**C : Drop arch**

**D : Ogee arch**



**Q : 24) Which one of the following statements are incorrect when lintels are compared with arches:**

**A : Lintels are simpler in construction**

**B : Arches does not require strong abutments (walls) to withstand the arch thrust**

**C : Arches require more head room to span the openings**

**D : Lintels transfer the loads vertically to the walls**



**Q : 25) The vertical distance between the springing line and the highest point on the intrados is called \_\_\_\_\_ of the arch.**

**A : Haunch**

**B : Depth**

**C : Extrados**

**D : Rise**





**Q : 26) The under surface of an arch is called**

**A : Soffit**

**B : Haunch**

**C : Springer**

**D : Lancet**



**Q : 27) The depth of an arch is the distance between**

**A : Ground level and springing line**

**B : Crown and springing line**

**C : Crown and ground level**

**D : Intrados and extrados**



**Q : 28) The recommended imposed load on staircase in residential buildings as per IS 875 is**

**A : 5.0 kN/m<sup>2</sup>**

**B : 3.0 kN/m<sup>2</sup>**

**C : 1.5 kN/m<sup>2</sup>**

**D : 1.3 kN/step**



**Q : 29) Sum of tread and rise must lie between**

**A : 300 mm to 350 mm**

**B : 400 mm to 450 mm**

**C : 500 mm to 550 mm**

**D : 600 mm to 650 mm**





**Q : 30) Nosing is the outer projection of:**

**A : Riser**

**B : Tread**

**C : Baluster**

**D : Landing**



**Q : 31) The vertical posts placed at the top and bottom ends of a flight supporting the hand rails, are known as:**

**A : Baluster**

**B : Newel post**

**C : Balustrade**

**D : Railing**



**Q : 32) The vertical members fixed between steps and handrail in a staircase is known as**

**A : Balusters**

**B : Strings**

**C : Newel posts**

**D : Soffits**



**Q : 33) Minimum width of landing should be:**

**A : Equal to width of stairs**

**B : Half the width of stairs**

**C : Twice the width of stairs**

**D : One-fourth the width of stairs**



**Q : 34) The number of steps in a flight generally should not be less than-**

**A : 2**

**B : 3**

**C : 5**

**D : No limit**





**Q : 35) The maximum number of steps in a flight of a staircase generally should be**

**A : 10**

**B : 12**

**C : 15**

**D : No limit**



**Q : 36) A series of steps without any landing in their direction is called**

**A : Riser**

**B : Tread**

**C : Nosing**

**D : Flight**



**Q : 37) Which material is recommended for a staircase in an industrial workshop?**

**A : Timber**

**B : Steel**

**C : Aluminium**

**D : RCC**



**Q : 38) Maximum pitch in any staircase is**

**A : 20°**

**B : 35°**

**C : 40°**

**D : 45°**



**Q : 39) The imposed floor load acting on staircase for residential and educational building is to be considered as-**

**A : 2.0 kN/m<sup>2</sup> and 3.0 kN/m<sup>2</sup>**

**B : 3.0 kN/m<sup>2</sup> and 2.0 kN/m<sup>2</sup>**

**C : 4.0 kN/m<sup>2</sup> and 3.0 kN/m<sup>2</sup>**

**D : 3.0 kN/m<sup>2</sup> and 4.0 kN/m<sup>2</sup>**





**Q : 40) The tapering steps which are provided to change the direction of a strain is:**

**A : landing**

**B : Spiral steps**

**C : Winders**

**D : Going**



**Q : 41) The lean-to-roof is suitable for a maximum span of:**

**A : 3 m**

**B : 2.5 m**

**C : 3.5 m**

**D : 4 m**



**Q : 42) In any good staircase, the maximum and minimum pitch respectively should be:**

**A :  $90^\circ$  and  $0^\circ$**

**B :  $75^\circ$  and  $5^\circ$**

**C :  $60^\circ$  and  $10^\circ$**

**D :  $40^\circ$  and  $25^\circ$**

**Q : 43) Which of the following is/are incorrect about a staircase?**

- (i) String is the part of tread which is projecting beyond the face of the riser**
- (ii) Soffit is a sort of additional moulding provided under the nosing or tread to beautify the step in elevation**
- (iii) Baluster is a member supporting the hand rail**
- (iv) Newel post is a vertical member at the ends of flights**

**A : Only (i)**

**B : (i) and (ii)**

**C : (i) and (iii)**

**D : (ii) and (iv)**



**Q : 44) Doglegged stairs are**

**A : half turn stairs**

**B : Quarter turn stairs**

**C : Straight stairs**

**D : Three quarter turn stairs**



**Q : 45) Which among the following is a step used for changing the direction of a stair?**

**A : Flight**

**B : Nosing**

**C : Landing**

**D : Winder**





**Q : 46) Beams supporting steps of a stair are generally known as**

**A : Spandrel beam**

**B : Winder beam**

**C : Step beam**

**D : Stringer beam**



**Q : 47) A multi storey building has floor to floor height is 3300 mm. If the riser is 150 mm then the number of treads required for each storey is**

**A : 21**

**B : 22**

**C : 23**

**D : 24**



**Q : 48) The term 'string' is used for**

**A : The under side of a stair**

**B : Outer projecting edge of a tread**

**C : A sloping member which supports the steps in a stair**

**D : A vertical member between two treads**



**Q : 49) In public building the maximum riser is limited to:**

**A : 10 cm**

**B : 12 cm**

**C : 15 cm**

**D : 18 cm**



**Q : 50) The vertical distance between two consecutive treads in a staircase is called as:**

- A : Riser**
- B : Waist**
- C : Nosing**
- D : Soffit**

**Q : 51) What is the effective span of staircase, supported at each end by landing spanning parallel with the risers, if the width of landing is 2.5 m, width of starting passage is 1.5 m and going of the stair is 2.2 m?**

**A : 6.2 m**

**B : 4.2 m**

**C : 3.95 m**

**D : 4.5 m**





**Q : 52) In residential buildings, the rise may vary between**

**A : 150 to 180 mm**

**B : 200 to 250 mm**

**C : 500 to 75 mm**

**D : 100 to 120 mm**

**E : 275 to 300 mm**



**Q : 53) How many treads would be there in a straight stair connection between two floors with height different of 2.6 m? The rise is 15 cm.**

**A : 23**

**B : 24**

**C : 22**

**D : 26**



**Q : 54) Half turn stairs are the stairs which change their direction through:**

**A :  $90^\circ$**

**B :  $180^\circ$**

**C :  $270^\circ$**

**D :  $45^\circ$**

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