



SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR
Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code: BUILDING MATERIALS AND CONSTRUCTION (16CE107) **Course & Branch:** B.Tech - CE
Year & Sem: II-B. Tech & I-Sem **Regulation:** R16

UNIT –I

STONES ,BRICKS AND WOOD

- | | | |
|-----|---|-----|
| 1. | Write short note on classification of rocks. | 10M |
| 2. | a) List out all the methods of Quarrying and explain any two methods of quarrying in detail with neat sketches. | 7M |
| | b) What are the precautions to be taken in the process of blasting? | 3M |
| 3. | a) Explain characteristics of Good Building Stone in detail. | 5M |
| | b) what are the uses of stone in Engineering works? | 5M |
| 4. | a) How the brick earth is prepared? | 5M |
| | b) Explain the method of tempering with neat sketch. | 5M |
| 5. | a) What are the constituents of good brick earth? | 5M |
| | b) State the harmful ingredients in brick earth? | 5M |
| 6. | a) Describe the method of moulding? | 5M |
| | b) Describe the classifications of bricks? | 5M |
| 7. | Explain: | |
| | a) Intermittent kiln and | 5M |
| | b) Continuous Kiln | 5M |
| 8. | a) Explain briefly about classification of trees? | 5M |
| | b) Explain macrostructure of a tree? | 5M |
| 9. | Explain the methods of seasoning of timber? | 10M |
| 10. | What are the defects in timber? Explain with neat sketches. | 10M |

Prepared by: P.TEJASRI



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UNIT – III

FOUNDATION AND MASONRY

- | | |
|--|-----|
| 1. (a) Discuss various functions served by foundations. | 5M |
| (b) What are the requirements of a good foundation? | 5M |
| 2. What are the causes of failure of foundation? What remedial measures would you adopt? | 10M |
| 3. Explain, with the help of sketches, various types of shallow foundations. | 10M |
| 4. Explain strip footing and pad footing with the help of sketches | 10M |
| 5. (a) Explain combined footing and continuous footing | 5M |
| (b) Write a brief note on deep foundations. | 5M |
| 6. Explain with neat sketches, various types of ashlar stone masonry? | 10M |
| 7. Write a short note on the following | |
| (i) Flint rubble masonry | 3M |
| (ii) Polygonal rubble masonry | 3M |
| (iii) Random rubble masonry | 4M |
| 8. Write a short note on the following | |
| (i) Coursed rubble masonry | 4M |
| (ii) Uncoursed rubble masonry | 3M |
| (iii) Dry rubble masonry | 3M |
| 9. Compare brick and stone masonry? | 10M |
| 10. With the help of neat sketches explain the Flemish bonds? | 10M |

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UNIT – V

LINTELS & ARCHES, PLASTERING & POINTING AND STAIRS

- | | |
|--|-----|
| 1. Explain the following | |
| (a) Timber lintels | 5M |
| (b) Stone lintels | 5M |
| 2. Classify the arches according to slope. | 10M |
| 3. Explain the following | |
| (a) Steel lintels | 5M |
| (b) Reinforced concrete lintels | 5M |
| 4. Classify the various types of lintels & discuss their relative use? | 10M |
| 5. Explain the classification based on material and workmanship? | 10M |
| 6. What are the defects in plastering? Explain. | 10M |
| 7. Explain the types of mortars for plastering? | 10M |
| 8. What is pointing and what are the different methods of pointing? | 10M |
| 9. What are the requirements of a good stair? | 10M |
| 10. Write a short note on the following | |
| (a) Straight stairs | 3M |
| (b) Continuous stairs | 4M |
| (c) Metal stairs | 3M |

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- 10 Which of the following metamorphic rocks has the most weather resisting characteristics? []
A) Marble B) Quartzite C) Slate D) Lime stone
- 11 A good building stone should not absorb water more than []
A) 5% B) 10% C) 15% D) 20%
- 12 Which of the following has more fire resisting characteristics? []
A) Marble B) Lime stone C) Compact sand stone D) Granite
- 13 Jumper is a tool used for []
A) Testing of stones B) Quarrying of stones
C) Dressing of stones D) None of the above
- 14 Granite is not suitable for ordinary building purpose because []
A) it cannot be polished B) it is not a fire proof material
C) it is costly D) it has less crushing strength
- 15 The preparation of surface of stone to obtain plain edges or to obtain stones of required size and shape is known as []
A) Quarrying of stones B) Blasting of stones
C) Seasoning of stones D) Dressing of stones
- 16 The frog of the brick in a brick masonry is generally kept on []
A) Bottom face B) Top face C) Shorter side D) Longer side
- 17 Number of bricks required for one cubic metre of brick masonry is []
A) 400 B) 450 C) 500 D) 550
- 18 Specific gravity for most of the building stones lies between []
A) 1.5 to 2.0 B) 2.0 to 2.5 C) 2.5 to 3.0 D) 3.0 to 3.5
- 19 Advantage of a clamp compared to a kiln for burning bricks is that []
A) it takes less time for burning
B) it gives more output of first class bricks
C) it has less initial cost
D) it is suitable when bricks are required in large numbers
- 20 The internal size of mould used in brick preparation is []
A) Equal to the size of a fully burnt brick
B) Smaller than the size of a fully burnt brick
C) Greater than the size of a fully burnt brick
D) None of the above
- 21 Pug mill is used for []
A) Preparation of clay B) Moulding of clay
C) Drying of bricks D) Burning of bricks
- 22 The weight of a standard brick should be []
A) 1000g B) 3000g C) 1500g D) 2500g

- 23 Excess of silica in brick earth results in []
A) Cracking and warping of bricks B) Loss of cohesion
C) Enhancing the impermeability of bricks D) None of the above
- 24 The bricks are burnt at temperature range of []
A) 500°C -700°C B) 900°C -1700°C C) 900°C -1200°C D) 650°C -900°C
- 25 Sapwood consists of []
A) Innermost annular rings
B) Portion of timber between heartwood and cambium layer
C) Thin layers below the bark
D) Thin fibre which extends from the pith outwards and holds the annular rings together
- 26 Which of the following trees yields hard wood? []
A) Deodar B) Chir C) Shishum D) Pine
- 27 The radial splits which are wider on the outside of the log and narrower towards the pith is known as []
A) Heart shakes B) Cup shakes C) Star shakes D) Rind-galls
- 28 In which of the following pairs both trees yield soft wood? []
A) Deodar and Shishum B) Chir and Sal
C) Sal and Teak D) Chir and Deodar
- 29 Which of the following timbers is suitable for making sports goods? []
A) Mulberry B) Mahogany C) Sal D) Deodar
- 30 Assertion A : Shishum is used for decorative woodwork. []
Reason R : Shishum can be polished to an excellent finish.
Select your answer according to the coding system given below:
A) Both A and R are true and R is the correct explanation of A
B) Both A and R are true but R is not the correct explanation of A
C) A is true but R is false
D) A is false but R is true
- 31 The disease of dry rot in timber is caused by []
A) lack of ventilation B) alternate wet and dry conditions
C) complete submergence in water D) none of the above
- 32 Plywood has the advantage of []
A) greater tensile strength in longer direction
B) greater tensile strength in shorter direction
C) same tensile strength in all directions
D) none of the above
- 33 In which of the following directions, the strength of timber is maximum? []
A) parallel to grains B) 45° to grains
C) perpendicular to grains D) same in all directions

- 34 The moisture content in a well-seasoned timber is []
A) 4% to 6% B) 10% to 12% C) 15% to 20% D) 100%
- 35 The trunk of tree left after cutting all the branches is known as []
A) log B) batten C) plank D) baulk
- 36 The age of a tree can be known by examining []
A) Cambium layer B) Annular rings C) Medullary rays D) Heart wood
- 37 Plywood is made by bonding together thin layers of wood in such a way that the angle between grains of any layer to grains of adjacent layers is []
A) 0° B) 30° C) 45° D) 90°
- 38 The plywood []
A) has good strength along the panel only
B) can be spilt in the plane of the panel
C) has greater impact resistance to blows than ordinary wood
D) cannot be bent more easily than ordinary wood of same thickness
- 39 The practical limit of moisture content achieved in air drying of timber is []
A) 5% B) 15% C) 25% D) 35%
- 40 First class timber has an average life of []
A) less than one year B) 1 to 5 years C) 5 to 10 years D) more than 10 years.

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- 10 After storage, the strength of cement []
A) Decreases B) Increases C) Remains same D) May increase or decrease
- 11 According to IS specifications, the compressive strength of ordinary Portland cement after three days should not be less than []
A) 7 MPa B) 11.5 MPa C) 16 MPa D) 21 MPa
- 12 Addition of pozzolana to ordinary Portland cement increases []
A) Bleeding B) Shrinkage C) Permeability D) Heat of hydration
- 13 Gypsum consists of
A) H_2S and CO_2 B) $CaSO_4$ and H_2O C) Lime and H_2O D) CO_2 and Calcium
- 14 For testing compressive and tensile strength of cement, the cement mortar is made by mixing cement and standard sand in the proportions of []
A) 1:2 B) 1:3 C) 1:4 D) 1:6
- 15 The quantity of drier in paints is limited to []
A) 2% B) 4% C) 6% D) 8%
- 16 Which of the following is not a vehicle in paints? []
A) Linseed oil B) Poppy oil C) Turpentine oil D) Tung oil
- 17 Which of the following is not a defect in paints? []
A) Blistering B) Stopping C) Crocodiling D) Foxiness
- 18 Varnish is a homogeneous solution of resin in []
A) Kerosene oil B) Alcohol C) Naptha D) Linseed oil
- 19 In plastic paint thinner used is []
A) Oil B) Spirit C) Water D) Naptha
- 20 The function of base in paint is []
A) to provide a film on surface
B) to hide imperfection of surface
C) to reduce shrinkage cracks in paint film
D) to bring down the overall cost
- 21 Which of the following is not a binder? []
A) Linseed oil B) Turpentine oil C) Nut oil D) Poppy oil
- 22 Blistering in paints is []
A) Mild cracking of paint film
B) Swelling of paint film
C) Detachment of paint film
D) Separation of paint film in layers
- 23 Casein paints are used over []
A) New plastered surfaces B) Wood members
C) Mild steel surfaces D) Aluminium sections

- 24 Which of the following is not a drier? []
A) Letharge B) Lead acetate C) Lithophone D) White lead
- 25 In fire proof paints, the main constituent is []
A) Aluminium powder B) Red lead C) Copper powder D) Asbestos fibres
- 26 Distemper is used to coat []
A) External concrete surfaces
B) Interior surfaces not exposed to weather
C) Wood work
D) Compound walls
- 27 Which of the following increases by adding extruders in paints? []
A) Wash ability B) Adhesion
C) Durability D) Pigment volume concentration
- 28 Traditional stone finish can be achieved by using which type of paint? []
A) Aluminium paint B) Cellulose paint C) Texture paint D) Cement paint
- 29 Putty is made up of []
A) White lead and turpentine
B) Powdered chalk and raw linseed oil
C) Red lead and linseed oil
D) Zinc oxide and boiled linseed oil
- 30 Consider the following statements: []
Casein glue is
1. obtained from milk
2. obtained from the blood of animals
3. used in painting of metals
4. used in the plywood industry
5. white in colour
6. red in colour
Of these statements:
A) 1,3 and 5 are correct B) 1,4 and 5 are correct
C) 2,3 and 6 are correct D) 2,4 and 6 are correct
- 31 Wrought Iron contains carbon up to []
A) 0.25% B) 1% C) 0.5% D) 2%
- 32 Which of the following parameters is/are false for steel? []
A) High carbon content B) High melting point
C) Low damping capacity D) None of the above
- 33 Elastomers can extend up to []
A) five times their original dimensions B) seven times their original dimensions
C) ten times their original dimensions D) three times their original dimensions.

- 34 The variety of pig iron used for manufacture of wrought iron, is []
A) Bessemer pig B) Grey or foundry pig C) White forge pig D) Mottled pig
- 35 Bitumen felt []
A) is used as water proofing material
B) is used as damp proofing material
C) is made from bitumen and hessian fibres
D) all the above
- 36 Depending on the chemical composition and mechanical properties, iron may be classified as []
A) Cast Iron B) Wrought iron C) Steel D) All the above
- 37 Bitumen in []
A) solid state, is called asphalt B) semi fluid state, is called mineral tar
C) fluid state, is called petroleum D) all the above
- 38 The vulcanizing agent used in rubber is []
A) Wax B) Rosin oil C) Zinc D) Sulphur
- 39 Which of the following is a natural polymer? []
A) Timber B) Resin C) Plastic D) Synthetic rubber
- 40 The material recommended for roofing is []
A) Linoleum B) Asbestos C) Thermocole D) Geosynthetic

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UNIT-III

FOUNDATION AND MASONRY

- 1 In brick masonry the bond produced by laying alternate headers and stretchers in each course is known as []
A) English bond B) Double Flemish bond C) Zigzag bond D) Single Flemish bond
- 2 The stretcher bond in brick masonry can be used only when the thickness of wall is []
A) 90 mm B) 180 mm C) 190 mm D) 280 mm
- 3 The pressure acting on the stones in stone masonry construction should be []
A) along the direction of bedding planes
B) at 45° to the direction of bedding planes
C) at 60° to the direction of bedding planes
D) perpendicular to the direction of bedding planes
- 4 Which of the following should be used for hearting of thicker walls? []
A) Headers B) Stretchers C) Brick bats D) Queen closer
- 5 A queen closer is a []
A) brick laid with its length parallel to the face or direction of wall
B) brick laid with its breadth parallel to the face or direction of wall
C) brick having the same length and depth as the other bricks but half the breadth
D) brick with half the width at one end and full width at the other
- 6 Minimum thickness of wall where single Flemish bond can be used is []
A) half brick thick B) one brick thick
C) one and a half bricks thick D) two bricks thick
- 7 The most important tool in brick laying for lifting and spreading mortar and for forming joints is []
A) trowel B) square C) bolster D) scutch
- 8 Expansion Joints in masonry walls are provided in wall lengths greater than []
A) 10 m B) 20 m C) 30 m D) 40 m
- 9 The type of bond provided in brick masonry for carrying heavy loads is []

- A) English bond B) Double Flemish bond C) Zigzag bond D) Single Flemish bond
- 10 A mortar joint in masonry which is normal to the face of wall is known as []
A) Bed joint B) Wall joint C) Cross joint D) Bonded joint
- 11 The slenderness ratio for masonry walls should not be more than []
A) 10 B) 20 C) 30 D) 40
- 12 The proportions of lime and sand in the mortar normally used in brick construction are []
A) 1:2 B) 1:4 C) 1:6 D) 1:8
- 13 Number of vertical joints in a stretcher course is x times the number of joints in the header course, where x is equal to []
A) $\frac{1}{2}$ B) 1 C) 2 D) $\frac{1}{4}$
- 14 As compared to stretcher course, the thickness of joints in header course should be []
A) less B) more C) equal D) equal or more
- 15 As compared to English bond, double flemish bond is []
A) stronger B) more compact C) costly D) none of the above
- 16 Single flemish bond consists of []
A) Double Flemish bond facing and English bond backing in each course
B) English bond facing and double Flemish bond backing in each course
C) Stretcher bond facing and double Flemish bond backing in each course
D) Double Flemish bond facing and header bond backing in each course
- 17 The differential settlement in case of foundations on sandy soils should not exceed []
A) 25 mm B) 40 mm C) 65 mm D) 100 mm
- 18 In case of foundations on black cotton soils, the most suitable method to increase the bearing capacity of soils is to []
A) increase the depth of foundation B) drain the soil
C) compact the soil D) replace the poor soil
- 19 The type of footing which is used to transmit heavy loads through steel columns is []
A) raft foundation B) grillage foundation
C) well foundation D) isolated footing
- 20 The maximum total settlement for isolated foundations on clayey soils should be limited to []
A) 25 mm B) 40 mm C) 65 mm D) 100 mm
- 21 The type of pile which is driven at an inclination to resist inclined forces is known as []
A) friction pile B) sheet pile C) batter pile D) anchor pile
- 22 The minimum depth of foundation in clayey soils is []
A) 0.5 m B) 0.7 m C) 0.9 m D) 1.2 m
- 23 The maximum total settlement for raft foundation on clayey soils should be []

C) provide the structural safety against undermining or scouring due to animals, flood water

D) distribute the load from structure to soil

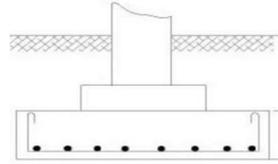
34 A spread is given under the base of a wall or column is known as []

A) Piles B) Pier C) Footing D) Plinth

35 Identify the given type of foundation below []

A) single footing

B) stepped footing



C) sloped footing

D) shallow foundation

36 The _____ foundations are useful for public buildings, office buildings, School buildings, residential quarters, etc. []

A) raft B) grillage C) inverted arch D) concentrated

37 A _____ foundation is a special type of isolated footing, generally provided for heavy loaded steel structure specially in those location where bearing of soil is poor. []

A) raft B) grillage C) inverted arch D) combine

A) raft B) grillage C) inverted arch D) combine

38 If the wall or column under construction is near some other property, it will not be possible to spread the footing to both the sides of Wall or column. In such case which footing is used? []

A) simple pad footing B) eccentric footing

C) isolated footing D) reinforced footing

39 The shape of combined footing is mostly _____ []

A) rectangle B) square C) circular D) trapezoidal

40 A spread footing for a single column is known as the _____ []

A) simple pad footing B) eccentric footing

C) isolated footing D) combined footing

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- 10 When two roof surface meets together and form an internal angle, a _____ is formed.
A) Rafter B) Valley Barge C) Gable D) pitch
- 11 The type of joint commonly used at the junction of a principal rafter and tie beam in timber trusses is []
A) mortise and tenon joint B) oblique mortise and tenon joint
C) butt joint D) mitred joint
- 12 The type of roof suitable in plains where rainfall is meagre and temperature is high is []
A) pitched and sloping roof B) flat roof
C) shell roof D) none of the above
- 13 Pitched and sloping roofs are suitable for []
A) coastal regions B) plain regions C) covering large areas D) all of the above
- 14 The type of roof which slopes in two directions with a break in the slope on each side is known as []
A) gable roof B) hip roof C) gambrel roof D) mansard roof
- 15 Mansard roof is a roof which slopes in []
A) two directions without break in the slope on each side
B) two directions with break in the slope on each side
C) four directions without break in the slope on each side
D) four directions with break in the slope on each side
- 16 The horizontal timber piece provided at the apex of a roof truss which supports the common rafter is called []
A) ridge board B) hip rafter C) eaves board D) valley rafter
- 17 The lower edge of the pitched roof, from where the rain water of the roof surface drops down, is known as []
A) hip B) gable C) ridge D) eaves
- 18 Higher pitch of the roof []
i) results in stronger roof
ii) results in weaker roof
iii) requires more covering material
iv) requires less covering material
The correct answer is
A) (i) and (iii) B) (i) and (iv) C) (ii) and (iii) D) (ii) and (iv)
- 19 Couple close roof is suitable for maximum span of []
A) 2.5 m B) 3.5 m C) 4.5 m D) 5.5 m
- 20 In a collar beam roof []
A) there is no horizontal tie beam

- B) there is a horizontal tie at the feet of rafters only
C) there is a horizontal tie at almost the middle of rafters only
D) there are two horizontal ties, one at the feet and other at the middle of the rafters
- 21 The function of king post in a king post roof truss is []
A) to support the frame work of the roof
B) to receive the ends of principal rafter
C) to prevent the walls from spreading outward
D) to prevent the tie beam from sagging at its centre
- 22 The function of cleats in a roof truss is []
A) to support the common rafter B) to support purlins
C) to prevent the purlins from tilting D) all of the above
- 23 _____ truss differs from King Post Truss in having two vertical members. []
A) composite truss B) mansard truss C) truncated truss D) queen post truss
- 24 When the span exceeds 4.8 M and when there is no inside supporting walls for Purlins, the frame structures adopted, known as the _____ []
A) Single roofs B) purlin roofs C) double roofs D) trussed roofs
- 25 In _____ roofs, the common Rafter are provided to itself without any intermediate support. []
A) single B) double C) purlin D) trussed
- 26 _____ are the wooden planks or boards which are fixed on the gable end of a roof. []
A) cleats B) battens C) barge boards D) eaves
- 27 The wooden piece which are placed horizontally on a principal rafter to carry the common rafters are known as the _____ []
A) ridge B) rafter C) purlin D) jack rafters
- 28 The edge of a Gable, running between the Eaves and ridge is known as _____ []
A) verge B) ridge C) eave D) pitch
- 29 The horizontal distance between the internal faces of walls or support is known as []
A) span B) truss C) verge D) wall plates
- 30 _____ are the inclined members of a Truss. []
A) Principle rafters B) Cleats C) dragon beam D) gable
- 31 _____ consists of a group of members which form a support for a door or Window. []
A) sill B) head C) frame D) style
- 32 The top or uppermost horizontal part of a frame is known as the _____ []
A) panel B) hold fast C) horn D) head
- 33 The entire assembly of styles, panels and rails is known as the _____ []
A) putty B) horn C) sash D) shutter

- 34 _____ is a vertical member which is employed to subdivided a window or door opening vertically. []
A) transom B) jamb C) mullion D) rebate
- 35 A _____ door is formed from the vertical boards, known as the battens, which are secured by horizontal supports, known as ledges. []
A) Ledged, framed and braced B) Ledged and braced
C) Ledged and framed D) Ledged
- 36 _____ is the most usual variety of door and consist of a framework in which panels are fitted. []
A) framed and panelled B) glazed C) flush D) collapsible
- 37 _____ are the windows, the shutters of which open the doors. []
A) double hung windows B) casement windows
C) pivoted windows D) sliding windows
- 38 _____ are nowadays widely used, especially for public buildings. []
A) circular windows B) gable windows C) dormer windows D) metal windows
- 39 _____ are fully glazed casement windows. []
A) casement windows B) metal windows
C) sash windows D) corner windows
- 40 _____ are the windows which are provided on the sloping surface of a pitched roof. []
A) sky light B) bay windows C) lantern windows D) clerestory windows

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UNIT-V

LINTELS & ARCHES, PLASTERING & POINTING AND STAIRS

- 1 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) spandrel D) extrados
- 2 Depth or height of the arch is the []
A) perpendicular distance between intra-dos and extrados
B) vertical distance between springing line and intrados
C) perpendicular distance between springing line and extrados
D) none of the above
- 3 The triangular space formed between the extrados and the horizontal line drawn through the crown of an arch is known as []
A) haunch B) spandrel C) voussoirs D) skewbacks
- 4 The lintels are preferred to arches because []
A) arches require more headroom to span the openings like doors, windows etc.
B) arches require strong abutments to withstand arch thrust
C) arches are difficult in construction
D) all of the above
- 5 In the construction of arches, sand box method is used for []
A) centring B) actual laying of arch work
C) striking of centring D) none of the above
- 6 The type of arch generally constructed over a wooden lintel or over a flat arch for the purpose of carrying the load of the wall above is []
A) segmental arch B) pointed arch C) relieving arch D) flat arch
- 7 The term string is used for []
A) the underside 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

- 8 The vertical posts placed at the top and bottom ends of a flight supporting the hand rail is known as []
A) balusters B) newal posts C) balustrades D) railings
- 9 The maximum number of steps in a flight should generally be restricted to []
A) 10 B) 12 C) 15 D) no limit
- 10 The number of steps in a flight generally should not be less than []
A) 2 B) 3 C) 5 D) no limit
- 11 Sum of tread and rise must lie between []
A) 300 to 350 mm B) 400 to 450 mm C) 500 to 550 mm D) 600 to 650 mm
- 12 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
- 13 In any good staircase, the maximum and minimum pitch respectively should be []
A) 90° and 0° B) 75° and 30° C) 60° and 10° I D) 40° and 25°
- 14 A _____ is a horizontal member which is placed across an opening to support the position of the structure above it. []
A) door B) window C) lintel D) sill
- 15 At present, the lentils of _____ are widely used to span the openings for doors, Windows, etc. in a structure. []
A) timber B) wood C) rcc D) stone
- 16 The usual concrete mix for RCC lintel is _____ (cement:sand:aggregate). []
A) 1:2:3 B) 1:2:4 C) 1:1.5:3 D) 1:3:6
- 17 A ____ is define as a sequence of steps and it is provided to afford the means of Ascent and Descent between the floors or landings. []
A) stair B) beam C) roof D) sidewalk
- 18 _____ is the vertical member which is fixed between string and handrail to give support to the handrail. []
A) baluster B) balustrade C) flight D) barrister
- 19 _____ is the horizontal distance between the faces of two consecutive Risers. []
A) riser B) flight C) going D) newel post
- 20 The protecting part of the tread beyond the face of Riser is known as a _____. []
A) pitch B) rise C) riser D) nosing
- 21 The vertical or Front member of the step, which is connected to the treads, is known as a _____. []
A) rise B) run C) riser D) pitch
- 22 The total length of a Stair in a horizontal plane is known as the _____. []
A) run B) soffit C) scotia D) step

- 23 A combination of tread and riser is known as ____ []
A) soffit B) string C) waist D) step
- 24 The incline rail over the string is known as a ____ []
A) head room B) landing C) handrail D) heading
- 25 A Stair turning through three right angles is known as a _____ stair. []
A) Three Quarter Turn B) One Quarter Turn
C) Two Quarter Turn D) Four Quarter Turn
- 26 The _____ stairs are useful where the space available is limited and where the traffic is less. []
A) straight B) turning C) helical D) geometrical
- 27 The stairs which are kept in motion by a revolving drum is known as a _____ []
A) escalator B) revolving stairs C) lift D) elevator
- 28 A Stair turning through two right angles is known as a _____ stair. []
A) straight B) dog-legged C) helical D) geometrical
- 29 A _____ is a sloping surface and it is adopted as a substitute for stair for easy connection between the floors []
A) pitch B) rise C) ramp D) string
- 30 _____ stairs are now commonly used in all types of construction and in case of a frame structure of reinforced concrete. []
A) rcc B) brick C) stone D) metal
- 31 _____ stairs are now not frequently used. []
A) rcc B) brick C) stone D) metal
- 32 The flat, segmental, semi-circular, horse-shoe and Stilted arches are ____ []
A) two-centred B) three - centred C) one-centred D) four-centred
- 33 Plastering is also called: []
A) pre-casting B) pargeting C) polishing D) porting
- 34 Before plastering, the surface has to be: []
A) rough B) smooth C) watered D) cemented
- 35 Wood surface requires _____ coats of plastering. []
A) 1 B) 2 C) 3 D) none
- 36 In plastering, the 1st coat is called _____ and its thickness should be _____ mm. []
A) under coat, 6-9 B) under coat, 10-15 C) floating, 6-9 D) floating, 10-15
- 37 Which of the below is not a plaster type based on material? []
A) cement B) pozzolana C) lime D) gypsum
- 38 Which IS code gives specifications about cement plaster? []
A) IS 1500 B) IS 1221 C) IS 1400 D) 1661
- 39 _____ arches can be constructed in rubble masonry or ashlar masonry. []

- 40 A) stone arches B) wooden arches C) brick arches D) concrete arches
___ arches can be constructed of the precast cement concrete blocks or Monolithic concrete. []
- A) cement concrete arches B) cement arches
C) concrete arches D) rubble arches

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