| A | RCH_DM_062014 | | |
|----|--|--------------|--|
| 1. | The shape of the bending moment diagram over the length of a beam, carrying a uniformly varying load, is always- | | |
| | 1) Linear | 2) Parabolic | |

| | uniformly varying load, is always- | | | | | |
|----|--|--|--|--|--|--|
| | 1) Linear | 2) Parabolic | | | | |
| | 3) Cubical | 4) Circular | | | | |
| 2. | A simply supported beam of span "L' ca | rries a uniformly distributed load of w/m | | | | |
| | 1) WL/2 | 2) WL ² /8 4) WL/16 | | | | |
| | 3) WL ² /2 | 4) WL/16 | | | | |
| 3. | If the actual cost incurred in constructing is taken as the base for determining the v | | | | | |
| | 1) Direct comparison with the capital value | 2) Valuation based on profit | | | | |
| | 3 Valuation based on cost | 4) Development method of valuation | | | | |
| 4. | For getting the beams of uniform strengt | h, the sections of the beam may be varied | | | | |
| | Keeping the width constant throughout and varying the depth | 2) Keeping the depth constant throughout and varying the width | | | | |
| | 3) Varying both, ie. Width and depth in a suitable manner | A) All of these | | | | |
| 5. | command draws a line at the corner between two selected lines. | | | | | |
| | 1) Fillet | 2) Polyline 4) Chamfer | | | | |
| | 3) Pline | (Chamter | | | | |
| 6. | The point of contra flexure is also called- | | | | | |
| | 1) The point of inflexion | 2) A virtual hinge | | | | |
| | 3) Either of these | 4) None of these | | | | |
| 7. | In case of circular section, the section modulus is: | | | | | |
| | A. $\frac{\text{nd}^2}{16}$ | | | | | |
| | $B. \frac{\pi d^3}{16}$ | | | | | |
| | $e. \frac{\pi d^3}{32}$ | | | | | |
| | $D. \frac{nd^4}{64}$ | | | | | |
| 8. | Bending moments at supports in case of | simply supported beams is always- | | | | |
| | 1) Less than unity | 2) More than unity | | | | |
| | 3) Zero | 4) One unity | | | | |

| 9. | In which of the following beams | s, the supports are situated at the ends? |
|----|---------------------------------|---|
| | 1) Cantilavan haam | 2) Ossarkanaina kasan |

2) Overhanging beam

 Cantilever beam
 Simply supported beam 4) Inverted overhanging beam

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|---------|---|---|
| 10. Zig | ggurats were constructed in the | e ancient- |
| 1) | Egypt | 2) Greece |
| 37 | Mesopotamia | 4) Harappa |
| 11. Th | e deformation per unit length | is called- |
| 1) | Tensile stress | 2) Compressive stress |
| 3) | Shear stress | A) Strain |
| 12. A | frame in which number of mer | nbers is less than (2j - 3) is known as- |
| | Redundant frame | 2) Deficient frame |
| 3) | Perfect frame | 4) Space frame |
| | branch of surveying in which t tained by instrumental observ | the horizontal and vertical distances of points are ation, is known as- |
| | Chain surveying | 2) Tacheometric surveying |
| | Plane table surveying | 4) Hydrographic surveying |
| 14. A | simple stress is often called- | |
| | Direct stress | 2) Bending stress |
| 3) | Fatigue stress | 4) None of these |
| | ne section in which concrete is l ress in steel reaches its maximu | NOT fully stressed to its permissible value when im value, is called- |
| 1 | Under-reinforced section | 2) Over-reinforced section |
| 3) | Critical section | 4) Balanced section |
| 16. Th | ne deformation per unit length | is called- |
| | Strain | 2) Stress |
| 3) | Shear stress | 4) Compressive stress |
| 17. St | rain in a direction at right ang | les to the direction of applied force is known as- |
| 1) | Lateral strain | 2) Shear strain |
| 3) | Volumetric strain | 4) Compression strain |
| | wo forces act at an angle of 120 perpendicular to the smaller fo | |
| | 20 kg | 2) 40 kg |
| 3) | 30 kg | 4) 25 kg |
| 19. | Shear stress is defined as- | |
| | Shear force | |
| - | Shear area | |
| - | Shear stress | |
| 1 | Shear strain | |
| | Shear area | |
| (| Shear force | |
| | Shear strain | |
| T | 7 | |

D.

Shear stress

| Ecc | entricity is: | |
|-----|----------------|--|
| / | Bending moment | |
| A. | Axial force | |
| _ | Axial force | |
| B. | Bending moment | |
| ~ | Shear stress | |
| C. | Axial force | |
| D. | Bending moment | |
| ט. | Shear strain | |

3) Blast furnace slag cement

| | 1 | Bending moment | | | |
|-----|------------------|--|---|--|--|
| | | Shear stress | | | |
| | C. | Axial force | | | |
| | _ | Bending moment | | | |
| | D. | Shear strain | | | |
| 21. | | erty of a material, by which is on is called- | t can be drawn, due to tension into a smaller | | |
| | | asticity | 2) Elasticity | | |
| | 3) D | uctility | 4) Malleability | | |
| 22. | In ti | mber, the blue strain, brown i | rot, sap strain are the defects occurring due to- | | |
| | /) Fu | ngi | 2) Insects | | |
| | 3) Na | atural forces | 4) Conversion | | |
| 23. | | concrete surfaces are kept we pardening of cement. It is know | t for a certain period after placing it, to promote wn as- | | |
| | 1) Consolidation | | 2) Mixing | | |
| | 3) Tr | ansporting | A) Curing | | |
| 24. | | ositing an impervious layer of sterns for resisting the water | cement mortar over the exposed surfaces of pipes pressure is known as- | | |
| | | irface treatment | 2) Guniting | | |
| | , | embrane damp proofing | 4) Pressure grouting | | |
| 25. | | repare, flat sheets of plastics, drical rollers. The process is | the plastic material is allowed to pass between the termed as- | | |
| | 1) C | asting | 2) Laminating | | |
| | 3) M | oulding | A) Calendering | | |
| 26. | Smit | th's test is performed on stone | es for- | | |
| | | urability | 2) Water absorption | | |
| | 37 Sc | oluble and clayey matter | 4) Hardness | | |
| 27. | Mai | n component of mineral of gra | anite is: | | |
| | | elspar | 2) Mica | | |
| • | | uartz | 4) Free silica | | |
| 28. | Lim | e is considered to be hydraulic | c lime when it sets under water within- | | |
| | | to 5 days | 2) 7 to 30 days | | |
| | 3)2 | to 3 months | 4) 3 to 6 months | | |
| 29. | The | type of cement generally used | for the construction of road pavements is: | | |
| | 1) R | apid hardening cement | 2) Low heat cement | | |
| | | | | | |

4) Ordinary Portland cement

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|---|--|
| 30. The maximum percentage of ingredient | t in cement is that of- |
| 1) Lime | 2) Alumina |
| 3) Silica | 4) Magnesium oxide |
| 31. The strength of concrete at 28 days as p | percentage of the strength at one year is: |
| 1) 30% | 2) 60% |
| 35 80% | 4) 98% |
| 32. If the slump of a concrete mix is 6 cm, i | ts workability is considered- |
| 1) Low | 2) Medium |
| 3) High | 4) Very high |
| 33. The major drawback of air seasoning o | of wood is: |
| 1) Loss of strength | 2) Development of knots |
| 35 Longer duration | 4) Distortion of grains |
| 34. Cast iron is used for- | |
| Y) Column and Struts | 2) Wire nails |
| 3) Members subjected to tension | 4) Trusses |
| 35. Asphalt is a- | |
| 1) Mixture of bitumen and inert material | 2) Impure bitumen |
| 3) Pure bitumen | 4) Lime concrete |
| 36. The span to overall depth ratios for two spans upto 3.5 m, using Fe 415 HYSD b | |
| 1) 24 | 2) 26 |
| 3128 | 4) 30 |
| 37. Steel and cement are used in concrete n | nainly because- |
| 1) They have near similar coefficients of expansion | 2) They become homogeneous after casting R.C.C |
| 3) One protects the other from weather | 4) They have different coefficient of |
| problems | expansion |
| 38. An important raw-material for manufa | |
| 1) Gypsum | 2) Ferric-oxide |
| 3) Quartz | 4) Cuprous oxide |
| The terms such as, "R.R; fully dressed with a single building material- | ; semi-dressed ; C.R. etc, are associated |
| 1) Brick | 2) Adobe |
| 3 Stone | 4) Terra-cota |
| 40. Which of the following is NOT the char | racteristic of laterite stone? |
| 1) Affected by the action of rain water | 2) Porous or cellular structure |
| 3 Hard and tough to work with | 4) Metamorphic stone |
| 41. Which of the following glass is compact | t and used in railway coaches? |
| 1) Glass crete | 2) Wired glass |
| 3) Anti actinic glass | 4) Pyrex glass |
| | |

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|-----|--|---------------------------------------|
| 42. | Light weight concrete is also known as | concrete. |
| | 1) Cellular | 2) Polymer |
| ď | 3) Easy weight | 4) No weight |
| 43. | In Sanchi stupa, vedika refers to- | |
| | 1) Gateway | Z) Railing |
| | 3) Upright post | 4) Ambulatory passage |
| 44. | Islamic garden is derived from- | |
| | I) Japanese style | 2) Chinese style |
| | 3) Egyptian style | 4) Persian style |
| 45. | In Ashoka pillar, lion is located on which | ch direction? |
| | North | 2) West |
| | 3) South | 4) East |
| 46. | The main material of construction used | during Shajahan period is: |
| | 1) Granite | 2) Sandstone |
| | 3) Brick | Mhite marble |
| 47. | In the temple of Khons, Karnak, the lig | ht in the hypostyle hall was admitted |
| | through- | , |
| | 1) Brick jalis | 2) Clerestory window |
| | 3) Entrance | 4) Batter walls |
| 48. | | walls enclosing the two edges of the |
| | semicircular Greek auditorium. | |
| | 1) Orchestra | 2) Crepidoma |
| | 3) Agora | 4 Parados |
| 49. | Roman temples had pseudo peripteral | |
| - | Instead of a colonade, half columns we attached. | re 2) Eight recesses in the walls |
| | 3) Buttresses to support | 4) Octastyle column |
| 50. | An example of Basilican church is- | |
| | 1) St. Peter, Rome | 2) St. Sophia, Constantinople |
| | 3) The Panthenon, Rome | 4) St. Paul's London |
| 51. | The dancing halls of the Orissan Templ | le is named as- |
| | 1) Bhog mandhir | 2) Natya mandhir |
| | 3) Rekha Deul | 4) Jag Mohana |
| 52. | The main entrance to the Hindu temple | e is always from- |
| | 1) East | 2) West |
| | 3) North | 4) South |
| 53. | An Indo Aryan temple part- | |
| | 1) Pida | 2) Palagai |
| - | 3) Citra gopuram | 4) Monolithic Nandhi |
| 54. | Le Corbusier work can be identified by | his- |
| | 1) Organic form | 2) Exposed concrete work |
| | 3) Usage of natural materials | 4) Staircase |

| AF | RCH_DM_062014 | |
|-----|---|---|
| 55. | In Indian Mosque, shahn is the- | |
| | Y) Courtyard | 2) Screened wall |
| | 3) Pulpit | 4) Minaret |
| 56. | The architect of Guggenheim museum | at New York is: |
| | F.L. Wright | 2) B.V. Doshi |
| | 3) Nari Gandhi | 4) Charles Correa |
| 57. | Diwan-e-khas and Diwan-e-am are | blocks in Akbar palace. |
| | 1) Security | 2) Administrative |
| | 3) Servant quarters | 4) Service quarters |
| 58. | The architect who used mud as a pred | lominant building material in all his works is: |
| | | |
| | 1) Haffeez Contractor | 2) Alvar Alto |
| | 3) Louis Khan | A) Laurie Baker |
| 59. | Rock-cut architecture is associated wi | ith- |
| | 1) China | 2) Burma |
| | 3) Srilanka | A) India |
| 60. | What is a vault? | |
| | 1) It is a pillar | 2) It is part of a shell roofing member |
| | 3) It is a fencing design | 4) It is part of pillar design |
| 61. | Optical correction technique is emplo | ved in- |
| |) Greek architecture | 2) Roman architecture |
| - | 3) Byzantine | 4) Dravidian architecture |
| 62. | The concept of perspective was evolve | ed during the- |
| | Renaissance period | 2) Vedic period |
| 1 | 3) Roman period | 4) Gothic period |
| 63. | The Qutab-Minar, New Delhi was bui | ilt during period. |
| | 1) Qutub-u-din-Aibak | 2) Shahjahan |
| • | 3) Akbar | 4) Lodhi |
| 64. | Fatehpur sikri palace covers an area | of . |
| | 1) 150 m ² | 2) 200 m ² |
| | 3) 250 m ² | 4) 350 m ² |
| | In Islamic history, buildings over a gr | |
| 05. | 1) Mehrab | 2) Magsura |
| | 3) Madrassa | 4) Makbhara |
| | | |
| 66. | NOT exceed- | d along the periphery of the column shall |
| | 1) 300 mm | 2) 250 mm |
| | 3) 350 mm | 4) 150 mm |
| 67. | The diameter of reinforcing bars shal the slab. | NOT exceed of the total thickness of |
| | 1) 1/8 th | 2) 1/7 th |
| | 3) 1/6 th | 4) 1/4 th |
| | | |

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| | | List I (Loaded member) | | | | ven below the lists: List II (Maximum deflection) | |
|---|----|---------------------------|-------|--------|----------|---|--|
| | aj | 1 | _ i - | | w | 1) WL3/8EI | |
| | b) | 1000 | m | W(udL) | 4 | 2) WL3/48EI | |
| | ٥ | A 1 | D. | 1/2 | <u>A</u> | 3) WL3/3EI | |
| | d) | ~ | mň | - W[ud | | 4) 5WL3/48EI | |
| | - | 3 | b | e 2 | d | | |
| , | B. | 1 | 2 | 3 | 4 | | |
| | C. | 2 | 3 | 4 | 1 | | |
| | D. | | 2 | 3 | | | |

| 82. | A column is regarded as long column if the ratio of its effective length and least |
|-----|--|
| | lateral dimension exceeds - |

1) 10

2) 20

3) 16

- 4112
- 83. Bending moment co-efficients of continuous beams near middle of end span for dead load is ;
 - 11/12

2) 1/16

3) 1/10

- 4) 1/9
- 84. ____ is the increase in the average temperature of the earth's near surface air and ocean.
 - 1) Global warming

2) Deforestation

3) Pollution

4) Radiation

- 85. B.O.D stands for-
 - 1) Dissolved oxygen

- 2) Bio-Chemical Oxygen Demand
- 3) Chemical Oxygen Demand
- 4) Bio Degradable
- 86. The best process of disinfection of public water supply is by-
 - 1) Boiling

2) Chlorination

3) Adding lime

- 4) Adding Ozone
- 87. Asbestos pipes are joined by means of -
 - 1) Flanged joint

2) Flexible joint

3 Simplex joint

- 4) Socket & Spigot joint
- 88. Rate of filtration of a slow sand filter is:
 - 1) 0.2 1.15m3 per m2 per hour
- 2) 0.2 1.0m3 per m2 per hour
- 3) 0.2 0.9m3 per m2 per hour
- 4) 0.2 1.2m³ per m² per hour

| | CH_DM_062014 The process of softening of hard | water through the base exchange process is done | |
|-----|---|---|--|
| ٠,, | by adding - | | |
| | 1) Sodium Carbonate | 2) Calcium carbonate | |
| | 3) Sodium Zeolite | 4) Calcium Sulphate | |
| 90. | The valve used to control the flo | w of water at low pressure is: | |
| | 1) Globe type stop valve | 2) Gate valve | |
| | 3) Check valve | 4) Control valve | |
| 91. | For the supply of coldwater through the direct system, the gap to be provided between the pipe lines and the outer wall is: | | |
| | 1) 300 mm | 2) 700 mm | |
| | 3) 600 mm | 4) 500 mm | |
| 92. | The maximum distance between | a habitable room and the refuse chute is: | |
| | 1)30 M | 2) 50 M | |
| | 3) 20 M | 4) 40 M | |
| 93. | The water tight chamber that receives & stores sewage till it is pumped out for disposal is known as- | | |
| | 1) Septic tank | 2) Refuse chute | |
| | 3) Cesspool | 4) Sump | |
| 94. | Manholes should be provided at intervals of- | | |
| | 1) 30 m | 2) 60 m | |
| | 5) 90 m | 4) 100 m | |
| 95. | The length of a septic tank should be- | | |
| | 1) 2 times its breadth | 2) 3 times its breadth | |
| | 3) 11/2 times its breadth | 4) 4 times its breadth | |
| 96. | In water supply system, poly tetra fluoro ethylene tape is used to join- | | |
| | 1) Lead pipes | 2) Copper pipes | |
| , | 3) Steel pipes | 4) PVC pipes | |
| 97. | Incineration is a method of disp | osing - | |
| | 1) Solid waste | 2) Liquid waste | |
| | 3) Toxic gases | 4) Waste Water | |
| 98. | Anti siphonage pipe is connected to- | | |
| | 1) Main Soil pipe | 2) Bottom of P-trap WC | |
| | 7) Top of P-trap WC | 4) Side of water closet | |
| 99. | The recommended diameter of | a domestic sewer pipe laid at gradient of 1:100 is: | |
| | 1) 100 mm | 2) 150 mm | |
| | 3) 200 mm | 4) 175 mm | |
| 100 | . Design bond stress in plain bars | in tension for M ₂₀ concrete in limit state method | |

2) 1.5 N/mm² 4) 1.2 N/mm²

1) 1.7 N/mm² 3) 1.4 N/mm²

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|---|--|--|--|
| 101. Legislation to protect drinking water of Service Act in: | quality in US began with the Public Health | | |
| 1) 1903 | 2) 1912 | | |
| 3) 1916 | 4) 1907 | | |
| 102. The sewer pipe adopted in areas under | The sewer pipe adopted in areas under railway lines, foundation walls are made of- | | |
| 1) Asbestos cement | 2) Cast Iron | | |
| 3) Brick | 2) Cast Iron 4) Wood | | |
| 103. Crown corrosion is - | | | |
| 1) Seen in water pipes | 2) Sulfuric acid | | |
| 3 H ₂ SO ₄ deposition in sewer | 4) SO ₄ deposition in water pipes | | |
| 104. A is provided in the side of the sighted enters. | e box through which the rays from the object | | |
| 1) Key | 2) Eyehole | | |
| 3) Slot | 4) Coloured glass | | |
| 105. The art of showing undulations of grou | und with the help of contour lines on the map | | |
| 1) I qualting | 2) Commission | | |
| 1) Levelling 3 Contouring | Surveying Plane table surveying | | |
| 106. In chain surveying, field work is limite | | | |
| 1) Linear measurements only | 2) Angular measurements only | | |
| 3) Linear & Angular measurements | 4) Contour measurements | | |
| 107. Straight, parallel and widely spaced co | ontours represent- | | |
| 1) A steep surface | 2) A flat surface | | |
| M An inclined plane surface | 4) Curved surface | | |
| 108. In setting up a plane table at any statio | on - | | |
| 1) Levelling is done first | 2) Centering is done first | | |
| 3) Both levelling & centering are done simultaneously | 4) Orientation is done first | | |
| 109. The accuracy of measurement in chair | surveying does not depend upon- | | |
| 1) Length of the offset | 2) Scale of the plotting | | |
| 3) Importance of the features | A) General layout of the chain lines | | |
| 110. The line normal to the plumb line is ki | nown as- | | |
| 1) Horizontal line | 2) Level line | | |
| 3) Datum line | 4) Vertical line | | |
| 111. The angle of intersection of a contour | | | |
| 1) 30° | 2) 45° | | |
| 3) 60° | 4790° | | |
| 112. The angle between two plane mirrors | | | |
| 1) 20° | 2) 30° | | |
| 3) 45° | 4) 60° | | |

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|--|--|--|--|
| 113. The main principle of surveying is to wo | rk- | | |
| 1) From part to whole | 2) From whole to part | | |
| 3) From higher level to lower level | 4) From lower level to higher level | | |
| 114. Short offsets are measured with - | | | |
| An ordinary chain | 2) An invar tape | | |
| 3) A metallic tape | 4) A steel tape | | |
| 115. Under ordinary conditions, the precision | of a theodolite transverse is affected by- | | |
| 1) Systematic angular errors | 2) Accidental linear errors | | |
| 37 Systematic linear errors | 4) Accidental angular errors | | |
| 116. The method generally preferred for cont | touring an undulating area is: | | |
| 1) Chain surveying | 2) Plane table surveying | | |
| 37 Tacheometrical surveying | 4) Compass surveying | | |
| 117. The included angles of a theodolite trave | erse, are generally measured- | | |
| 1) Clockwise from the forward station | 2) Anticlockwise from the back station | | |
| 3) Anticlockwise from the forward station | A Clockwise from the back station | | |
| 118. The survey in which field observation an | The survey in which field observation and plotting proceed simultaneously is called | | |
| 1) Reconnaissance | 2) Alidade | | |
| 3) Tacheometry | A) Plane table | | |
| 119. In British unit, 8 furlong is equal to - | | | |
| 1) 5 yard | 2) 4 poles | | |
| 3) 1 Fathom | 4) 1 Mile | | |
| 120. A surveying instrument widely used in s employed in the very accurate determine | | | |
| 1) Telescope | 2) Satellite | | |
| 3) Theodolite | 4) Vernier caliper | | |
| 121. When consecutive contour lines run clos | e together, it indicates a - | | |
| 1) Steep slope | 2) Flatter slope | | |
| 3) Vertical surface | 4) Horizontal surface with minor undulations | | |
| 122. Lines AB and BC intersect at B and | | | |
| 1) 90° +< B | 2) 180° -< B 4) 270° +< B | | |
| 3) 270° -< B | 4) 270° +< B | | |
| 123. GPS is: | | | |
| 1) Geographic Placement Survey | 2) Geographic Personal System | | |
| 3) Global Positioning System | 4) Satellite | | |
| 124. In the electrical wiring system, phase lin | and the second s | | |
| 1) Green | 2) Red | | |
| 3) Yellow | 4) Blue | | |
| Geographic Placement Survey Global Positioning System 124. In the electrical wiring system, phase lin Green | 4) Satellite se is indicated by- 2) Red | | |

| ARCH_I | DM_062014 | |
|-------------------|--|--|
| 125. IBM | S stands for- | |
| Win | telligent Building Management Syste | m 2) International Building Management System |
| 3) In | dian Building Management System | 4) Intelligent Business Management System |
| 126. | produced when the sound | d wave reaches the ear just when the |
| origi | inal sound from the same source ha | s been already heard. |
| 1) Re | everberation | 2) Echo |
| 3) Al | bsorption | 4) Reflection |
| | ibility of fire spreading from an adj eet or road is referred as- | joining buildings or building or from acros |
| 1) Pe | ersonal hazard | 2) Internal hazard |
| 3) Ex | xposure hazard | 4) Cross hazard |
| 128. The | day light shall penetrate up to | times the window height inside the |
| 1)2. | | 2) 5 |
| 3) 4 | | 4) 8 |
| A. B. C. | N = Output of one fan Room volume × Re quired air changesper N = Room volume × Re quired air changesper Output of one fan N = Room volume × Output of one fan Re quired air changes per hour N = Room volume Output of one fan × Required air changes | hour |
| 130. Whe | en a vertical member is carrying ma | ainly axial loads, it is termed as a - |
| 1) St | trut | 2) Column |
| 3) Ti | ie | 4) Purlin |
| 131. As a | thumb rule one Ton(TR) of AC is | required for- |
| | 00 to 450 cft | 2) 150 to 300 cft |
| 3/80 | 00 to 1200 cft | 4) 500 to 600 cft |
| 132. To a | chieve a sufficiently rapid disconne | ection of the supply, the earth loop sconnection time is to be in milliseconds. |
| impe | edence should be and the di | oromaterion miner to 10 De im ministromati |
| - | ery low | 2) Low |
| - | ery low | |
| 3) H | ery low igh | 2) Low |
| 3) Hi 133. The | ery low | 2) Low |

| ARCH_DM_062014 | |
|---|--|
| | ter the cause of sound has stopped - a result of |
| repetitions. | 2 Payacharation |
| 1) Reverberation time | 2) Reverberation |
| 3) Intensity level of sound | 4) Sound absorption |
| 135. The three basic elements of a sound sy | ystem are- |
| 1) Sound path, Standing waves, Echoes | 2) Sound path, Specular reflection, Echoes |
| 3) Output devices, Amplifiers, Loudspea | aker 47 Input device, Amplifiers, Loudspeaker |
| system | system |
| 136. The basic electric circuit arrangemen | t- , |
| 1) Series | 2) Series or parallel |
| 3) Parallel | 4) Perpendicular |
| 137. The intentional movement of air from | outside a building to the inside is: |
| 1) Breeze | 2) Wind |
| 3) Ventilation | 4) Stack effect |
| 138. HVAC stands for- | |
| 1) High Voltage Alternating Current | 2) Heating Ventilating and Air |
| 1) Then voltage Attendants Current | Conditioning |
| 3) High Voltage Alternative Current | 4) High Voltage, Acid Content |
| 139. An empty vertical pipe intended to di as a component of the fire suppression | stribute water to multiple levels of a building n system is: |
| 1) Wet riser | 2) Dry riser |
| 3) Sprinkler | 4) Extinguisher |
| 140. The parties under a contract solving t field, in a judicial manner is known a | their disputes through experts in the same s- |
| 1) Judicial expertisation | 2) Umpiring |
| 3) Arbitration | 4) Easement |
| 141. Blackening of the lamps due to- | |
| Reaction of iodine and inert gas | Reaction of metal filament above 2000° |
| 3) Explosion of filament | 4) Reaction of sodium and inert gas |
| 142. The movement of air in stack effect is | due to- |
| I) Pressure difference | 2) Pressure and thermal difference |
| 3) Thermal difference | 4) Volume Difference |
| 143. Which of the following is a non renew | vable energy source? |
| 1) Fuels | 2) Water |
| 3) Solar power | 4) Wind |
| | |
| 144. The detention period in a septic tank | |
| 1) 20 min.s | 2) 25 min.s |
| 3) 30 min.s | 4) 40 min.s |
| 145. The minimum width of a septic tank | |
| 1) 70 cm | 2) 75 cm |
| 3) 80 cm | 4) 90 cm |

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|---|---|
| 146. Which of the following statement is c | orrect? |
| The line ranger is used for fixing intermediate points on the chain lines | The indirect ranging is resorted to when the ends of a line are not intervisible due to high ground |
| The chairman at the forward end of the chain is called leader | the 4) All of these |
| 147. The most reliable estimate is: | |
| 1) Detailed estimate | 2) Preliminary estimate |
| 3) Plinth area estimate | 4) Cube rate estimate |
| 148. Pick up the item of work NOT includ | |
| 1) Wall thickness | 2) Courtyard 4) W.C area |
| 3) Room area | 4) W.C area |
| 149. The unit of measurement is per quin | tal for the following. |
| 1) Collapsible gates with rails | 2) Rolling shutters |
| 3) Expanded metal wire netting | M.S. Reinforcement of R.C.C Work |
| 150. The weight of an item is measured co | errect to nearest- |
| 1) .25 kg | 2) 5 kg |
| 3) .50 kg | 4) 1.00 kg |
| 151. Contour lines cross a valley at- | • |
| 1) 0° | 2) 45° |
| 3) 60° | A) 90° |
| 152. The volume is measured correct to th | ne nearest- |
| 1).01 cum | 2) .02 cum |
| 3) .03 cum | 4) .05 cum |
| 153. The method of surveying used for de surface of the earth, neglecting the co | termining the relative height of points on the urvature of earth is called- |
| 1) Levelling | 2) Profile levelling |
| 3) Differential levelling | 4) Cross sectional levelling |
| 154. The floor area includes the area of b | alcony up to- |
| 1) 100% | 2) 75% |
| 3) 50% | 4) 10% |
| 155. The technique of determining the fai | r price of a building is: |
| 1) Estimation | 2) Specification |
| 2) Valuation | 4) None of these |
| 156. Which of the following are NOT ded estimate? | ucted from wall masonry while preparing the |
| 1) Rectangular openings | 2) Opening upto 1000 sq.cm |
| Semi-circular arch openings | 4) Lintels over openings |
| 157. Due to change in price level, A revise estimate exceeds, | ed estimate is prepared if the sanctioned |
| 1) 2.0% | 2) 2.5% |
| 3) 4.0% | 4) 5.0% |
| | |

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| | principle of successive reflection of ray of light |
| 1) Sextant | 2) Abnet Clinometer |
| 3) Pantagraph | 4) Fennel's Clinometer |
| 159. For RMM thick cement plastering 1 cement required is: | :6 on 100 sq.m new brickwork, the quantity of |
| 1) 0.200 m ³ | 2) 0.247 m ³ |
| 35 0.274 m ³ | 4) 0.295 m ³ |
| 160. The expected out turn of brick work mason per day, is: | in cement mortar in foundation and plinth per |
| 1) 1.00 m ³ | 21 1.25 m ³ |
| 3) 1.50 m ³ | 2) 1.25 m ³ 4) 1.75 m ³ |
| 161. The angle of light plane is: | , |
| 101. The angle of light plane is. | 2) 42° or 69.50° |
| 3) 90° | 4) 30° |
| 7, | |
| of any new structure between the bu | oth sides of a street and prevents the creation ilding line and the street. |
| 1) Architectural control | 2) Advertisement control |
| 3) Building line control | 4) Setback control |
| 163 is used to indicate an arterial more speedily and safely. | road on which fast urban traffic is allowed to |
| 1) Expressway | 2) Ring road |
| 3) Free way | 4) Precincts |
| 164. A strip of land is provided on the pe limiting the growth of a town is known | riphery of a town for the special purpose of wn as the- |
| 1) Focal points | 2) Neighbourhood planning |
| 3) Green belt | 4) City block |
| 165. A pattern language was written by- | |
| 1) Robert Venturi | 2) Christopher Alexander |
| 3) Howard Davis | 4) Paolo soleri |
| 166. Bakeries and confectionaries come u | inder- |
| 1) Commercial zone | 2) Light industrial zone |
| 3) Mixed residential zone | 4) General Industrial zone |
| 167. The parking space required for a ca | r is: |
| 1) 5.5 x 2.5m | 2) 5.0 x 2.5m |
| 3) 4.0 x 2.5m | 4) 3.0 x 2.5m |
| 168. The maximum gradient of a ramp p | royided for offernet parking is: |
| 1) 1:18 | 2) 1:10 |
| 311:7 | 4) 1:12 |
| | |
| 169. In a city area, for a residential build | ing which faces street less than 12m width. The |

2) 2.5 4) 4

1) 1 3) 3

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| 170. The percentage of residential zone in a | normal town varies from - |
| 1) 40%-50% | 2) 30%-40% |
| 3) 50%-60% | 4) 35%-45% |
| 171. For theatres and public assembly halls, | one car parking is needed for- |
| 1) 50 seats | 2) 25 seats |
| 3) 15 seats | 4) 10 seats |
| 172. In a residential area, the maximum heig | tht of a compound wall on roadside shall be- |
| 1) 1.8m | 2) 1.2m |
| 3) 1.5m | 4) 2.0m |
| 173. A precinct is a space enclosed in a series | s of cells formed by- |
| Arterial and sub arterial roads | 2) Sub arterial and local roads |
| 3) Local roads and streets | 4) Main roads and streets |
| | a capacity of 800 vehicles per hour per lane |
| is: 1) 4 lanes 2 in each direction | 2) 8 lanes 4 in each direction |
| 3) 6 lanes 3 in each direction | 4) 6 lanes 4 in each direction |
| A CONTRACTOR OF THE PARTY OF TH | |
| 175. Cemetries and burial grounds come und 17 Non urban zone | 2) Mixed residential zone |
| Open space and recreational use zone | 4) Commercial use zone |
| 176. To provide CUL-DE-SAC, the maximu | , |
| 1) 30m | 2) 40m |
| 3) 50m | 4) 60m |
| 177. In a residential-group of apartments, the | e super built-up area of the building |
| 1) The actual apartment area + the | 2) The total area, divided by the number of |
| proportional area, in "common area" such lifts, stairs, passages etc | |
| The apartment areas put together in the proportion in percentage and added with stairs area | ir 4) The extent of the site |
| 178. Copy commands comes under- | |
| 1) Modify toolbar | 2) Drawing toolbar |
| 3) Format toolbar | 4) Status bar |
| 179. Shortcut for TRIM command in Autoca | |
| 1) T or t | 2) TR or tr |
| 3) TRIM | 4) CUT |
| 180rounds the edges of two arcs, cir specified radius in AutoCAD. | cles, lines, polylines etc with an arc of a |
| 1) Fillet | 2) Chamfer |
| 3) Break | 4) Trace |

| 181. Shortcut key for snap- | |
|---|--|
| 1) F9 | 2) F8 |
| 3) F7 | 4) F3 |
| 182. To view a particular portion of a drawi used? | ng, which of the following zoom option is |
| 1) Zoom scale | 2) Zoom window |
| 3) Zoom extents | 4) Zoom real time |
| 183. Recover is used to- | |
| 1) Regenerate a drawing | 2) Remove blip marks |
| 3) Repairs a damaged drawing | 4) Continues an interrupted script |
| 184. To set the extents of the drawing, the co | ommand used is: |
| 1) LIMITS | 2) SETUV |
| 3) BOUNDARY | 4) PAPER SIZE |
| 185. In Autocad, the command 'Divide' is us | sed to, |
| 1) Place evenly spaced blocks along the length | 2) Break a line |
| 3) Trim the extended portion of a line | 4) To break the line |
| 186. Polar array is used to- | |
| 1) Copy a selected object | 2) Create a pattern with a selected object |
| 3) Create a block with a selected object | 4) To delete a selected object |
| 187. To create concentric circles, the comma | and used is: |
| 1) DONUT | 2) POLYLINE |
| 3/OFFSET | 4) ARC |
| 188. Which one of the following commands drawing? | CANNOT be used to select objects in a |
| 1) Crossing window | 2) Crossing polygon |
| 3) Fence | 4) Remove |
| 189. The command used to bevel the edges of | of objects is: |
| 1) Chamfer | 2) Fillet |
| 3) Close | 4) Edge surf |
| 190. In autocad, 'F7' is used to operate- | |
| 1) GRID | 2) SNAP |
| 3) OSNAP | 4) ORTHO |
| 191. To load a geometry from a selected view line is: | w (or) layer into a drawing, the command |
| 1) PASTE BLOCK | 2) PASTE CLIP |
| 3) PARTIAL OPEN | 4) PASTE ORIG |
| 192. 'OOPS' is used to- | |
| 1) Regenerate a drawing | 2) Restore the erased objects |
| 3) Undo the previous command | 4) Remove blip marks |
| 193. To constrain the cursor movements alo | ong X and Y axes, is to be on. |
| I) GRID | 2) SNAP |
| 3) ORTHO | 4) POLAR |

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| 194. Pick up the incorrect statement from th | e following. |
| 1) F.S.I is fixed by the local authority | F.S.I is different for different areas and different buildings in the city |
| F.S.I is fixed by the State Government | 4) F.S.I controls the density of population |
| 195. Computer instructions in a programme | are performed in which order. |
| 1) Random | 2) Consecutive 4) Alternative |
| 3) Parallel | 4) Alternative |
| 196. Which among the following is data proc | essing? |
| 1) Information | 2) Data |
| 3) Software programme | 4) System programme |
| 197. The effective depth of a T- beam is the | distance between the- |
| | Top of the flange and centre of the tensile reinforcement |
| Bottom of the flange and centre of the tensile reinforcement | Centre of the flange and the bottom of tensile reinforcement |
| 198 command is used to create user | r defined text styles. |
| 1) SCALE | 2) STYLE |
| 3) MULTILINE | 4) ARC |
| 199. L weight is? | |
| 1) Add width to your objects | 2) Controls the layer |
| 3) Used to draw lines | 4) Displays the name of the layer |
| 200 option allows the user to add a | new vertex to the polyline. |
| 1) TANGENT | 2) EXIT |
| 3) INSERT | 4) REGEN |
| | |