

027/2016

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. A horizontal projection including a handrail to serve as a passage or sitting out place :
(A) Courtyard (B) Balcony
(C) Porch (D) Corridor
2. Chain thin lines are used to denote :
(A) centre lines (B) visible outlines
(C) long break (D) hidden outlines
3. A small room provided adjacent to dining room for keeping cooked food is called a :
(A) lobby (B) box room
(C) pantry (D) work area
4. Buildings used a shops, store, market etc. included in the group :
(A) mercantile (B) business
(C) assembly (D) industrial
5. F.A.R. is obtained by dividing total covered area of all floors by the :
(A) Carpet area (B) Plinth area
(C) Built up area (D) Plot area
6. Corundum is an example of _____ material.
(A) Adhesive (B) Binding
(C) Reinforcing (D) Abrasive
7. Which one is not a lubricant?
(A) Graphite (B) Mica
(C) Talc (D) Varnish
8. Marble is an example of _____ rocks.
(A) Igneous (B) Calcareous
(C) Argillaceous (D) Silicious

9. Substances that are able to resist high temperatures are called :
- (A) Refractories (B) Encaustic tiles
(C) Terracotta (D) Porcelain
10. The lime commonly used in whitewashing is :
- (A) Hydraulic lime (B) Fat lime
(C) Poor lime (D) Slaked lime
11. Volcanic ash containing about 80% clay is known as :
- (A) Surkhi (B) Slag
(C) Fly ash (D) Pozzolana
12. _____ increase the initial setting time of cement.
- (A) Lime (B) Silica
(C) Gypsum (D) Alumina
13. Vicat apparatus is used to test _____ of cement.
- (A) Fineness (B) Compressive strength
(C) Consistency (D) Soundness
14. The process of adding cement to lime mortar to improve its quality is called :
- (A) Guniting (B) Bulking
(C) Slaking (D) Gauging
15. Which is not a method of proportioning concrete?
- (A) Arbitrary method (B) Fineness modulus method
(C) Working stress method (D) Minimum Voids method
16. The mix corresponding to M20 grade concrete is :
- (A) 1 : 5 : 10 (B) 1 : 1½ : 3
(C) 1 : 2 : 4 (D) 1 : 1 : 2

17. The thin radial fibres extending from pith to cambium is :
(A) Sapwood (B) Bark
(C) Medullary rays (D) Heartwood
18. The defect in timber due to abnormal growth :
(A) Knots (B) Rind galls
(C) Shakes (D) Druxiness
19. Which one is not a defect due to seasoning?
(A) Dry rot (B) Bow
(C) Case hardening (D) Cup
20. Thin sheets of wood of superior quality are called :
(A) Ledges (B) Veneers
(C) Batten (D) Log
21. As per IS code, size of concrete cube for compression test is :
(A) 5 cm (B) 10 cm
(C) 15 cm (D) 25 cm
22. The process by which limestone is heated to redness to form lime is called :
(A) Hydraulicity (B) Slaking
(C) Setting (D) Calcination
23. Which one is a solvent used in paint?
(A) White lead (B) Linseed oil
(C) Graphite (D) Turpentine
24. The process of preventing loss of moisture from concrete :
(A) Bulking (B) Curing
(C) Bleeding (D) Guniting

25. The basic value of span to effective depth ratio for span upto 10 m for Cantilever beam is :
- (A) 10 (B) 20
(C) 7 (D) 26
26. I.S. code of practice for plain and reinforced concrete :
- (A) I.S. 962 – 1989 (B) I.S. 800 – 1984
(C) I.S. 456 – 2000 (D) I.S. 458 – 2003
27. The layout of existing and proposed water supply, electricity, drainage lines are given in :
- (A) Site plan (B) Service plan
(C) Building plan (D) Key plan
28. Maximum permissible coverage for a assembly building is :
- (A) 65 (B) 40
(C) 35 (D) 30
29. The difference between the forebearing and backbearing of a line is :
- (A) 180° (B) 270°
(C) 360° (D) 0°
30. The horizontal angle between the magnetic meridian and geographical meridian is called :
- (A) Azimuth (B) Declination
(C) Latitude (D) Dip
31. The apparent movement of the image relative to the cross hairs is called :
- (A) Foresight (B) Parallax
(C) Tilting (D) Refraction
32. The length of revenue chain :
- (A) 20 m (B) 100 ft
(C) 33 ft (D) 66 ft

33. It is difficult to replot the map on a different scale in _____ survey.
- (A) Compass (B) Chain
(C) Theodolite (D) Plane Table
34. The principle of chain survey is :
- (A) triangulation (B) whole to part
(C) fixing up of points (D) traversing
35. Which one is not an abluion fitting?
- (A) Wash basin (B) Sink
(C) Bath tub (D) Trap
36. _____ prevents the entry of sewer gases from the public sewer line into the house drain.
- (A) floor trap (B) gully trap
(C) intercepting trap (D) none
37. _____ is a type of rivetted joint.
- (A) scarfed joint (B) single cover butt joint
(C) tabled joint (D) double tenon joint
38. Brickwork is measured in :
- (A) Cu.m (B) Sq.m
(C) dm (D) 10 Sq.m
39. Size of A2 drawing sheet in mm is :
- (A) 420 × 594 (B) 841 × 1189
(C) 594 × 841 (D) 210 × 297
40. Hatching or section lines are generally drawn at an angle of :
- (A) 30° (B) 60°
(C) 90° (D) 45°
41. The eccentricity of an ellipse is :
- (A) equal to 1 (B) greater than 1
(C) less than 1 (D) zero

42. A road provided around congested area is called :
(A) By-pass road (B) Ring road
(C) Trunk road (D) Loop road
43. The convexity provided to the surface of carriageway :
(A) Kerb (B) Camber
(C) Gradient (D) Super elevation
44. The width of a broad gauge railway track :
(A) 1.676 m (B) 1 m
(C) 0.762 m (D) 1.483 m
45. A system of tracks at a station used for storing, sorting and despatching vehicles :
(A) station (B) signals
(C) yard (D) crossing
46. Semaphore signals are also called as :
(A) Warner signals (B) Ground signals
(C) Routing signals (D) Stop signals
47. The flooring of bridge is supported on the top of supports in :
(A) deck bridge (B) through bridge
(C) slab bridge (D) semi through bridge
48. Seismic load is checked for _____ resistance.
(A) Dead weight (B) Wind
(C) Snow (D) Earthquake
49. EDM stands for :
(A) Easy Direct Measurement (B) Electronic Direct Measurement
(C) Electronic Distance Measurement (D) Electronic Direct Management
50. The size of letter is described by its :
(A) Height (B) Length
(C) Breadth (D) Thickness

51. An example for Kharif crop is :
- (A) wheat (B) rice
(C) barley (D) gram
52. Cross drainage work provided when the bed level of canal is higher than the H.F.L. of drainage :
- (A) Aqueduct (B) Weir
(C) Level crossing (D) Super passage
53. Building drawings are prepared in :
- (A) Full scale (B) Enlarged scale
(C) Plain scale (D) Reduced scale
54. All type of house waste and garbage in dry form is called :
- (A) sewage (B) sullage
(C) drainage (D) refuse
55. The distance between the surfaces of bars and concrete is called :
- (A) Slump (B) Lap
(C) Cover (D) Rebate
56. The longitudinal movement of rails in a track is :
- (A) cant (B) creep
(C) coning (D) packing
57. The watering applied to the land before sowing of a crop is called :
- (A) Paleo (B) Kor watering
(C) Duty (D) Delta
58. Delta is measured in :
- (A) Hectares/cumecs (B) Cumecs
(C) Days (D) Metre

59. A large artificial lake created by constructing a dam across a river is called a :
- (A) canal (B) pond
(C) reservoir (D) still pocket
60. The process of cutting stones into suitable sizes and surfaces after quarrying is called :
- (A) dressing (B) seasoning
(C) curing (D) finishing
61. A cut made inside a frame to receive the shutter is known as :
- (A) Reveal (B) Sash
(C) Jamb (D) Rebate
62. The triangular space formed in an arch between the extrados and crown is termed as :
- (A) Soffit (B) Spandril
(C) Haunch (D) Skewback
63. In _____ arch, the depth at crown is more than that at the springing line.
- (A) Venetian (B) Florentine
(C) Horse shoe (D) Stilted
64. Which one of the following is not a one centred arch?
- (A) Bull's eye (B) Segmental
(C) Pointed (D) Stilted
65. The wedge shaped units forming the courses of an arch :
- (A) Winders (B) Springer
(C) Crown (D) Voussoirs
66. The window which project outside the external wall is a :
- (A) Dormer window (B) Skylight
(C) Bay window (D) Lanterns
67. The edge of a gable running between the eaves and ridge is known as :
- (A) Valley (B) Verge
(C) Gutter (D) Hip

68. The triangular upper part of a wall farmed at the end of pitched roof is a :
(A) Gable (B) Valley
(C) Quoin (D) Truss
69. Small blocks of wood which are fixed on the truss to prevent sliding of purlins is :
(A) Batten (B) Template
(C) Ridge (D) Cleat
70. Total length of stair in a horizontal plane is called :
(A) run (B) pitch
(C) width (D) landing
71. An ordinary step of rectangular shape in plan is a :
(A) winder (B) flier
(C) bull nose step (D) commode step
72. The projection of tread beyond the riser is :
(A) Scotia (B) Flier
(C) String (D) Nosing
73. A sloping surface adapted as a substituted for stair :
(A) Ladder (B) Winders
(C) Ramp (D) Escalator
74. A quarter turn stair branched into two flights at a landing is a :
(A) Spiral stair (B) Bifurcated stair
(C) Half turn stair (D) Dog legged stair
75. Pile suitable for black cotton soil :
(A) Raymond pile (B) Monotube pile
(C) Under reamed pile (D) Vibro pile
76. Bond with alternate courses of stretchers and headers :
(A) English bond (B) Flemish bond
(C) Facing bond (D) Monk bond

77. External corners or angles of a wall :
- (A) Junctions (B) Facing
(C) Quoins (D) Corbel
78. Sides of openings such as doors, windows :
- (A) Reveal (B) Rebate
(C) Jamb (D) Head
79. The process of strengthening an existing foundation is :
- (A) Shoring (B) Underpinning
(C) Scaffolding (D) Centering
80. The running of concrete through formwork is termed as :
- (A) Bleeding (B) Laitance
(C) Segregation (D) Creep
81. Who is the winner of men's singles final Wimbledon 2015?
- (A) Andy Murray (B) Rafael Nadal
(C) Roger Federer (D) Novak Djokovic
82. Ajanta Caves which is included in UNESCO World Heritage List is located in the state of :
- (A) Madhya Pradesh (B) Maharashtra
(C) Rajasthan (D) Uttar Pradesh
83. Name the Prime Minister of India when India conducted its second nuclear test in May 1988 :
- (A) A. B. Vajpayee (B) I. K. Gujral
(C) Indira Gandhi (D) P. V. Narasimha Rao
84. The oldest functioning Jewish synagogue in India is :
- (A) Magen Hassidim Synagogue (Mumbai)
(B) Magen David Synagogue (Kolkata)
(C) Paradesi Synagogue (Mattancheri)
(D) Ohel David Synagogue (Pune)

85. Which among the following is not a work of Chattampi Swamikal?
(A) Dharsanamala (B) Pracheena Malayalam
(C) Advaita Chinthapaddhathi (D) Vedadikara Niroopanam
86. The organisation Samatva Samajam was founded by :
(A) Swami Vagbhatananda (B) Brahmananda Swami Sivayogi
(C) Pandit Karuppan (D) Vaikunta Swami
87. Who owned the newspaper Swadeshabimani?
(A) Ramakrishna Pillai (B) Vakkom Moulavi
(C) Thycaud Ayya (D) K. Kelappan
88. Ramon Magsaysay Awards are named after Ramon Magsaysay who was :
(A) The former President of Malaysia (B) An eminent scientist of Malaysia
(C) The former President of Philippines (D) An eminent scientist of Philippines
89. Which among the following rivers originates in Anaimalai?
(A) Bharatapuzha (B) Pampa
(C) Chaliyar (D) Periyar
90. The famous speech Tryst with destiny was made by :
(A) Mahatma Gandhi (B) Subash Chandra Bose
(C) Jawaharlal Nehru (D) Swami Vivekananda
91. Who became the first women President of Indian National Congress?
(A) Sarojini Naidu (B) Annie Besant
(C) Vijayalakshmi Pandit (D) Indira Gandhi
92. Name the social reformer who founded Prathyaksha Raksha Daiva Saba :
(A) Vagbhatananda (B) Kumara Guru
(C) Ayyankali (D) Poikayil Yohannan
93. The day proclaimed by United Nations as International Yoga day is :
(A) 22 July (B) 21 June
(C) 15 June (D) 16 July

94. Who is the author of Jati Mimamsa?
(A) Kumaranasan (B) Kumara Guru
(C) Vallathol (D) Sri Narayana Guru
95. Who won the 62nd national award for best actress?
(A) Shabana Azmi (B) Tabu
(C) Kangana Ranaut (D) Vidya Balan
96. Mahatma Gandhi suspended Non-Cooperation Movement in the year :
(A) 1922 (B) 1921
(C) 1923 (D) 1920
97. The Government of India has replaced Planning Commission with a new institution named :
(A) NITI Aayog
(B) Bharatiya Aasutran Aayog
(C) National Development and Planning Council
(D) ICDP
98. When was The Council of States named as Rajya Sabha in Hindi?
(A) 3rd April 1952 (B) 26th January 1950
(C) 15th August 1950 (D) 23rd August 1954
99. Which among the following guarantees 100 days of wage-employment in a financial year to a rural household whose adult members volunteer to do unskilled manual work?
(A) NOAPS (B) NFBS
(C) MGNREGA (D) IRDP
100. The southernmost tip of India the Indira point is situated on :
(A) Lakshadweep (B) Great Nicobar Island
(C) Willingdon Island (D) Rameswaram Island