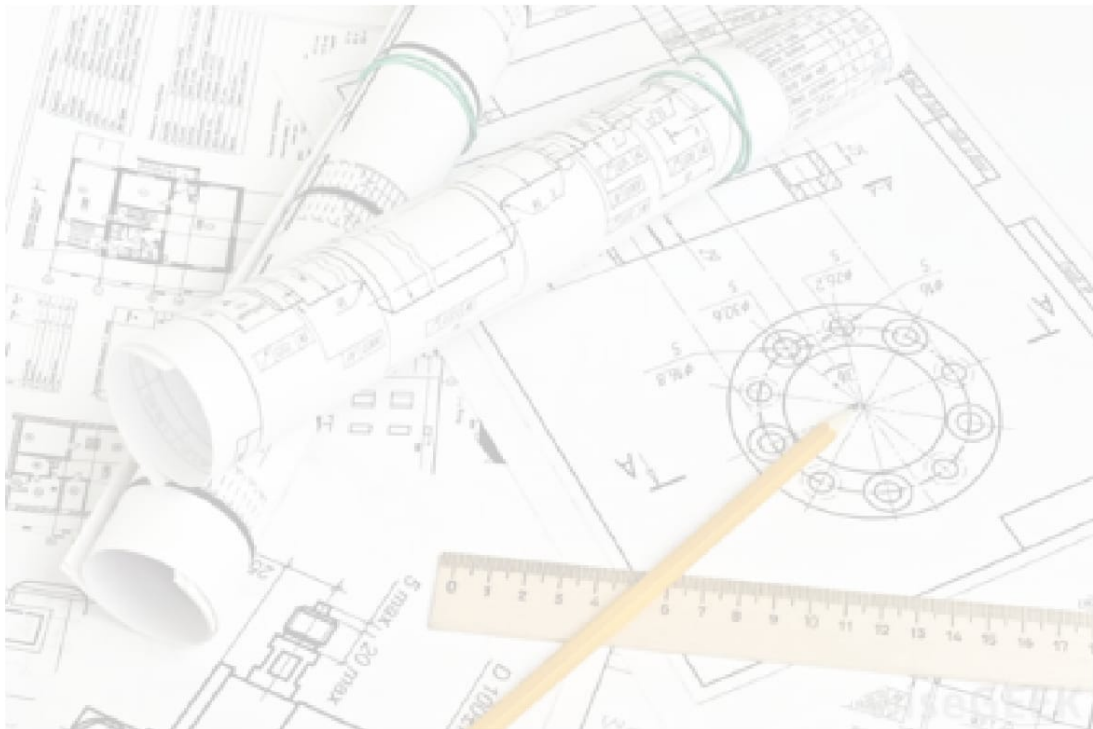


DRAFTSMAN (CIVIL) MODEL QUESTION PAPER



By Team

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1. According to 2011 Census the sex ratio is highest in
 - a) Punjab
 - b) Tamil Nadu
 - c) Kerala
 - d) Manipur

2. The latitude passing through the centre of India
 - a) Equator
 - b) Tropic of Cancer
 - c) Tropic of Capricorn
 - d) None of these

3. Sri Lanka is separated from India by
 - a) Palk Strait
 - b) Indian Ocean
 - c) Arabian Sea
 - d) Bay of Bengal

4. The shape of the Deccan Plateau
 - a) Triangular
 - b) Rectangular
 - c) Square
 - d) Hexagonal

5. Keoladeo Ghana National Park situated in Rajasthan is also known as
 - a) Sultanpur Bird Sanctuary
 - b) Bhagalpur Bird Sanctuary
 - c) Ranganthittu
 - d) Wedanthangal

6. The First War of Indian Independence took place in
 - a) 1757
 - b) 1857
 - c) 1885
 - d) 1905

7. The Viceroy of India at the time of Dandi March

- a) Lord Rippon
- b) Lord Linlithgow
- c) Lord Irwin
- d) Lord Dalhousie

8. The first English President of Indian National Congress

- a) A. O. Hume
- b) Annie Besant
- c) Robert Clive
- d) George Yule

9. The year in which Subhash Chandra Bose assumed the office of the President of Indian National Congress?

- a) 1924
- b) 1932
- c) 1936
- d) 1938

10. An East flowing river of Kerala

- a) Bhavani
- b) Bharatapuzha
- c) Pampa
- d) Chaliyar

11. Name the first Polio free district in India which is located in Kerala

- a) Pathanamthitta
- b) Kottayam
- c) Alapuzha
- d) Trissur

12. Vedadikara Nirupanam is the famous work of

- a) Vagbhadananda
- b) Sree Narayana Guru
- c) Ayyankali
- d) Chattampi Swamikal

13. Sadhu Jana Paripalana Sangham was organized by

- a) Pandit Karuppan
- b) Sree Narayana Guru
- c) Aliya Waikundar
- d) Ayyankali

14. The brain behind the Ezhava Memorial

- a) Dr. Palipu
- b) Kumaran Asan
- c) C. Keasavan
- d) Sree Narayana Guru

15. Samadhi Sapthakann, a condolence poem on the death of Chattampi Swamikal was written by

- a) K. Kelappan
- b) Pandit Karuppan
- c) Sree Narayana Guru
- d) Kumaran Asan

16. Savarna Jadha is associated with

- a) Paliyam Satyagraha
- b) Shanar Agitation
- c) Guruvayur Satyagraha
- d) Vaikom Satyagraha

17. Who among the following is the recipient of J.C. Daniel Award in 2015?

- a) Adoor Gopalakrishnan
- b) Sasi Kumar
- c) I.W. Sasi
- d) Jose Prakash

18. Jasmine Revolution of 2011 took place in

- a) Egypt
- b) Tunisia
- c) China

d) Singapore

19. The first Asian to receive the Hoover Medal

- a) N.R. Narayana Murthy
- b) Joseph J. Jacob
- c) A.P.J. Abdul Kalam
- d) Peter C. Goldmark

20. Mitra Shakti the joint training exercise is between India and

- a) Myanmar
- b) Bangladesh
- c) Sri Lanka
- d) Nepal

21. The inclination of a stair to the horizontal should be limited to

- a) 90° to 120°
- b) 60° to 90°
- c) 30° to 45°
- d) 40° to 60°

22. For ranging a line, the number of ranging rods required is

- a) at least six
- b) at least three
- c) at least four
- d) at least two

23. The true meridian passes through

- a) Magnetic poles
- b) Arbitrary poles
- c) Line of collimation
- d) Geographical poles

24. The chord of a circle is _____.

- a) A straight line joining the end of an arc
- b) A part of diameter
- c) Circle contained by two radius

d) A straight line touches a circle in one point

25. a four side figure in which all the sides equal but the angles are not the right angles

- a) Square
- b) Trapezium
- c) Rectangle
- d) Rhombus

26. The 30 m chain is divided into _____ links.

- a) 20
- b) 150
- c) 100
- d) 30

27. _____ is an error in Compass Survey.

- a) Traverse
- b) Centering
- c) Station marking
- d) Local attraction

28. compass box is made of _____

- a) Wood
- b) Brass
- e) Iron
- d) None of these

29. Scale of chords is used to _____

- a) Measuring angles
- b) Measuring chord length
- c) Measuring diameter
- d) Measuring radius

30. 10 inch is _____ cm.

- a) 100
- b) 35.4

- c) 25.4
- d) 2.54

31. Scale 2 cm = 1.0 m, R.F. is _____.

- a) 1:2
- b) 1:5
- c) 1:50
- d) 50:1

32. Concrete work is measured in _____ unit.

- a) Sq. metre
- b) Running metre
- c) Cu. metre
- d) None of these

33. Delta of a crop means

- a) Crop period
- b) Area under the crop
- c) Crop delta
- d) Depth of water required by the crop

34. The strength of concrete is directly proportional to _____

- a) Water cement ratio
- b) Water aggregate ratio
- c) Sand cement ratio
- d) All the above

35. A G.I. pipe has a coating of _____.

- a) Iron
- b) Zinc
- c) Carbon
- d) Copper

36. The standard length of a rail for broad gauge is _____ metre.

- (a) 1.64

- b) 13
- c) -1.00
- d) 1.5

37. When brick is cut into two halves longitudinally, one part is called

- a) Half bat
- b) King closer
- c) Queen closer
- d) None of these

38. The upper horizontal member of the door frame is called

- a) Sill
- b) Head
- c) Crown
- d) Frame

39. In surveying the measurements are taken in _____ plane.

- a) vertical
- b) horizontal
- c) inclined
- d) all the above

40. The curvature of earth is considered in _____ surveying.

- a) Plane
- b) Geodesic
- c) Ariel
- d) Hydrographic

41. A solvent commonly used for oil paints is _____.

- a) Diesel
- b) Kerosene
- c) Turpentine
- d) Petrol

42. In the manufacturing of cement, burning process done by

- a) Hoffman's kiln
- b) Bull's kiln
- c) Tunnel kiln
- d) Rotary kiln

43. Soundness test of cement is done by

- a) Le-Chatelier apparatus
- b) Slump test
- c) Wicat's apparatus
- d) compressive machine

44. The portion of a road used by vehicular traffic is

- a) Motor way
- b) Express way
- c) Carriage way
- d) Foot path

45. The rocks are formed by molten magma is called

- a) igneous rocks
- b) Sedimentary rocks
- c) Metamorphic rocks
- d) None of these

46. Trimmed size of "A_2" drawing sheet is

- a) 841 x 1189
- b) 420 x 594
- c) 594 x 841
- d) None of these

47. One kilogram is equal to _____ Pounds.

- a) 22.05
- b) 0.2205
- c) 220.5
- d) 2.205

48. The graduations in a prismatic compass is _____.

- a) have a zero at south
- (b) inverted
- c) from 0° to 360°
- d) all the above

49. The principle of compass survey is

- a) Triangulation
- b) Traversing
- c) Parallelism
- d) None of the above

50. The datum adopted for India is

- a) MSL at Mumbai
- b) MSL at Chennai
- c) MSL at Karachi
- d) None of these

51. In which bond alternate courses consists of headers and stretchers?

- a) English Bond
- b) Flemish Bond
- c) Header Bond
- d) Stretcher Bond

52. In ashlar fine - masonry the joint thickness is does not exceed _____.

- a) 10 mm
- b) 3 mm
- c) 8 mm
- d) 6 mm

53. Diagonal scale is measured to _____ unit.

- a) three consecutive
- b) one
- c) two
- d) none of the above

54. , "M_{10}", grade of concrete stands for _____.

- a) 1:2:4
- b) 1:4:8
- c) 1:1:2
- d) 1:3:6

55. Concrete for road construction recommended slump is

- a) 40 to 50
- b) 80 to 100
- c) 60 to 80
- d) 20 to 40

56. The inclined or splayed surface of the abutment of an arch is called

- a) Skew back
- b) Crown
- c) Springing line
- d) Extrudus

57. The wedge-shaped units forming the courses of an arch is _____.

- a) Crown
- b) Key
- c) Voussoirs
- d) Rise

58. The horizontal projection of head or sill beyond the face of the frame of door or Window is

- a) Sash
- b) Mullion
- c) Horn
- d) Louver

59. The triangular upper part of a wall formed at the end of a pitched roof is called

- a) Eaves
- b) Gable
- c) Hip
- d) Jack

60. The small blocks of wood which are fixed on the trusses to prevent the sliding of purlins is called

- a) Cleats
- b) Battens
- c) Pitch
- d) Hip

61. The outer line of an object is drawn using _____ pencil.

- a) HB
- b) H
- c) 2H
- d) 3H

62. _____ line shows the edges of the section plane in geometrical drawing.

- a) Long break
- b) Short break
- c) Cutting plane
- d) Hidden

63. _____ vernier is provided in an alidade level.

- a) Direct
- b) Retrograde
- c) Double
- d) Extended

64. The length of standard 45° set square is _____.

- a) 20 cm
- b) 25 cm
- c) 30 cm
- d) 35 cm

65. The size of numerals used for writing tolerance is _____ mm.

- a) 3.5
- b) 4.5

- c) 5.5
- d) 6.5

66. _____ dimensioning system is used in engineering drawing.

- a) Aligned
- b) Unidirectional
- c) Notation system
- d) Conventional system

67. The eccentricity of a hyperbola is _____.

- a) <1
- b) 1
- c) >1
- d) $2/3$

68. Each deflection angle of penta gon = _____.

- a) 60°
- b) 72°
- c) 108°
- d) 120°

69. Sand stone is a _____ rock.

- a) volcanic
- b) igneous
- c) metamorphic
- d) sedimentary

70. _____ is a mineral.

- a) quartzite
- b) laterite
- c) granite
- d) calcite

71. The average weight of a brick is _____.

- a) 1.5 to 2 kg

- b) 2 to 2.5 kg
- c) 2.5 to 3 kg
- d) 3 to 3.5 kg

72. The hardness of stone used for road work should be greater than _____ .

- a) 10
- b) 13
- c) 17
- d) 20

73. The maximum increase in Volume when water is added to fat lime is

- a) 1.5 times
- b) 2.5 times
- c) 3 times
- d) 3.5 times

74. Allowable slump for concrete used for road work is _____ .

- a) 10 to 15 mm
- b) 20 to 28 mm
- c) 30 to 45 mm
- d) 50 to 70 mm

75. The percentage of copper in high tensile steel is

- a) 0%
- b) 0.25%
- c) 0.4%
- d) 0.55%

76. The method adopted to increase the bearing capacity of black cotton soil is

- a) drain the soil
- b) add fine aggregate
- c) add aggregate
- d) compact the soil

77. _____ joints are usually jointed in ashlar masonry.

- a) Wee
- b) Projecting
- c) Channel
- d) Flush

78. _____ bond is used in brick masonry for carrying heavy loads.

- a) Single flemish
- b) Double flemish
- c) English
- d) Dutch

79. _____ is an example for lengthening joint.

- a) Bridle joint
- b) Fished joint
- c) Mortise and tenon joint
- d) Housed joint

80. The area enclosed between the rails in a door is called _____

- a) panel
- b) transom
- c) mullion
- d) slash

81. The Outer most support of an arch is _____.

- a) piers
- b) skew-back
- c) abutments
- d) intrados

82. The proportion of lime cement plaster for DPC is _____ .

- a) 1:1.5:3
- b) 1:1:6
- c) 1:2:4
- d) 1:3:6

83. The survey conducted to study the customs and relics of the past is called

- a) Cadastral Survey
- b) Archeological survey
- c) Topographical survey
- d) Plane survey

84. The principle of optical square is _____.

- a) refraction
- b) reflection
- c) double reflection
- d) double refraction

85. The accuracy of survey depends upon the accuracy of _____ measurement.

- a) Baseline
- b) The line
- c) Check line
- d) Boundary line

86. Bad ranging is a source of _____ error.

- a) +ve cumulative
- b) -ve cumulative
- c) compensating
- d) natural

87. Most accurate type of cross staff is _____ cross staff.

- a) adjustable
- b) open
- c) french
- d) mirror type

88. _____ is used for measuring the bearings of lines in fast needle method.

- a) Theodolite
- b) Prismatic compass
- c) Surveyor's Compass
- d) All the above

89. The dip of the magnetic needle at equator is _____.

- a) 90°
- b) 60°
- c) 45°
- d) 0°

90). _____ is the method of plane tabling adopted for locating inaccessible points.

- a) Resection
- b) Radiation
- c) Traversing
- d) intersection

91. The vertical distance a point above the datum is called _____.

- a) Elevation
- b) Height of instrument
- c) Staff reading
- d) Staff intercept

92. Levelling carried out along the given route to find the elevations of points at known distances is called _____ leveling.

- a) differential
- b) fly
- c) profile
- d) trigonometric

93. When the length of sight is more than 100m the staff used is called _____.

- a) Solid staff
- b) Telescopic staff
- c) Telescopic staffs
- d) Target staff

94. On geographical map relief of earth surface is usually represented by _____.

- a) hachures
- b) shading
- c) contours

d) models

95. Contour interval for mountainous region is _____.

- a) 2m
- b) 5m
- c) 10 m
- d) 20 m

96. The accurate rule for computation of Volume is _____ rule.

- a) Trapezoidal
- b) Prismoidal
- c) Simpson's
- d) Transit

97. The instrument used for measuring the area from plan is _____.

- a) Pentograph
- b) Proportionate compass
- c) Box sextant
- d) Planimeter

98. A plan level is used for _____.

- a) reducing plan
- b) enlargement of plan
- c) slope measurement
- d) area determination

99. An example for kharif crop is _____

- a) gram
- b) wheat
- c) jowar
- d) potato

100. The cross drainage work in which the HFL of natural drain is above the bed of canal is called

- a) Level crossing

- b) Syphon aqueduct
- c) Super passage
- d) Spillway

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