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1. The height of a telescopic metric staff :

   (A) 3 m (B) 4 m (C) 5 m (D) 3.5 m

2. Instrument for drawing rays in plane table survey :

   (A) U - frame (B) trough compass (C) spirit level (D) alidade

3. The point where two readings are taken in leveling :

   (A) Back sight (B) Fore sight

   (C) Change point (D) Intermediate sight

4. The Scale used in theodolite :

   (A) Plain scale (B) Diagonal scale

   (C) Comparative scale (D) Vernier scale

5. In metric chain one metre length is divided into :

   (A) 20 links (B) 5 links (C) 10 links (D) 30 links

6. The horizontal angle between true meridian and magnetic meridian is known as :

   (A) Magnetic bearing (B) True bearing

   (C) Dip (D) Magnetic declination

7. Contours of different elevations cross in case of :

   (A) Steep ground (B) Ridge

   (C) Vertical cliff (D) Overhanging cliff

8. Planimeter is used for measuring :

   (A) Volume (B) Area

   (C) Enlarging the plan (D) Slope

9. The angle between two plane mirror of a optical square is :

(A) 90° (B) 30° (C) 180° (D) 45°

10. The smallest division on the ISI levelling staff is :

(A) 0.5 m (B) 0.05 m (C) 0.005 m (D) 5 cm

11. The reading first entered in the field book of leveling :

(A) Back sight (B) Fore sight

(C) Intermediate sight (D) Change point

12. The line joining the optical centre of the object glass to the centre of the eye-piece :

(A) Axis of the level tube (B) Axis of the telescope

(C) Line of collimation (D) Axis of the bubble tube

13. Determining the difference in elevation between two point is called :

(A) Bench Mark (B) Height of collimation

(C) Reduced level (D) Level difference

14. The surface area of A0 size drawing sheet :

(A) 2 sq.m. (B) 1 sq.m. (C) 1.5 sq.m. (D) 3 sq.m.

15. The instrument which is used for reducing and enlarging the drawing ?

(A) Slide rule (B) Minidrafter (C) Planimeter (D) Pentagraph

16. The volume of right circular cone :

(A) $\frac{3}{4}\pi r^3$ (B) $\pi r^2 h$ (C) $\frac{1}{3}\pi r^2 h$ (D) $\frac{2}{3}\pi r^2 h$

17. As per BIS the size of modular brick is :

(A) 19×9×9 cm (B) 20×10×10 cm (C) 19×10×10 cm (D) 20×12×12 cm

18. The bearing of line taken from the starting point of the line towards the other end is called :

(A) Back bearing (B) Whole circle bearing

(C) Quadrantal bearing (D) Fore bearing

19. The imaginary line joining the points of same elevation in the ground :

(A) Contour interval (B) Contour line

(C) Isogonic line (D) Agonic line

20. The downward inclination of the needle with the horizontal is known as :

(A) Declination (B) True bearing

(C) Magnetic bearing (D) Dip

21. The value of broad gauge adopted by Indian Railway :

(A) 1.00 m (B) 1.767 m (C) 1.676 m (D) 1.607 m

22. The W.C.B of a line observed by a prismatic compass is 13°. Its bearing read on a surveyors compass is :

(A) S 40° E (B) N 40° E (C) N 50° E (D) S 50° E

23. The ratio of stress to strain is :

(A) Elasticity (B) Bulk modulus

(C) Poissons ratio (D) Modulus of elasticity

24. The slope of the road pavement in the longitudinal direction is called :

(A) Alignment (B) Gradient

(C) Super elevation (D) Length of summit

25. The part of a circle bounded by an arc and its chord is known as :

(A) Semi circle (B) Chord (C) Segment (D) Sector

26. The weight of a body is the product of mass and :

(A) Acceleration (B) Velocity

(C) Momentum (D) Acceleration due to gravity

27. The main principle of surveying :

(A) Part to the whole (B) Lower surface to the higher surface

(C) Whole to the part (D) Traversing

28. If 'h' is the difference in height between and pints of chain length 'l' the required slope correction is :

(A) $\frac{h}{l}$ (B) $\frac{h}{2l}$ (C) $\frac{h^2}{l}$ (D) $\frac{h^2}{2l}$

29. Ratio of the length of the drawing to the actual size of the object termed as :

(A) Fair area (B) Reduced scale

(C) Representative fraction (D) Enlarged scale

30. Two point and three point problem are typical cases of :

(A) Radiation (B) Intersection (C) Traversing (D) Resection

31. The size of the field book is :

(A) 20×20 cm (B) 40×20 cm (C) 20×12 cm (D) 40×12 cm

32. The most suitable well conditioned triangle in chain surveying is :

(A) Right angled triangle (B) Equilateral triangle

(C) Scalene triangle (D) Isosceles triangle

33. One hectare is equal to how many acres ?

(A) 24.70 (B) 2.47 (C) 0.247 (D) 247

34. Which of the following is not a minor instrument ?

(A) Abney level (B) Clinometer (C) Planimeter (D) Dumpy level

35. For setting out an offset of an angle of 45° :

(A) Open cross staff (B) French cross staff

(C) Optical square (D) Wooden cross staff

36. Area of an equilateral triangle is :

(A) $\frac{4\sqrt{3}}{a^2}$ (B) $\frac{4}{\sqrt{3}a^2}$ (C) $\frac{a^2}{4\sqrt{3}}$ (D) $\frac{\sqrt{3}a^2}{4}$

37. Ratio of mechanical advantage to velocity ratio :

(A) Efficiency (B) Work done (C) Output (D) Input

38. Tan 60° :

(A) $\frac{1}{\sqrt{3}}$ (B) $\frac{\sqrt{3}}{2}$ (C) $\frac{1}{\sqrt{2}}$ (D) $\sqrt{3}$

39. If diameter of a circle doubled the area will increase :

(A) 2 times (B) 4 times (C) 3 times (D) 8 times

40. Which survey line is used for locating interior details ?

(A) Base line (B) Proof line (C) Check line (D) Tie line

41. Geodetic survey is applied if the area to be surveyed is more than :

(A) 100 sq.km (B) 200 sq.km (C) 1000 sq.km (D) 250 sq.km

42. The latitude of an traverse line is obtained by the product of length and :

(A) cosecant angle (B) sine angle (C) cosine angle (D) tangent angle

43. On a diagonal scale it is possible to read up to :

(A) 2 units (B) 3 units (C) 4 units (D) angles

44. The common error in compass :

(A) Manipulation (B) Natural (C) Cumulative (D) Local attraction

45. The process of turning the telescope in horizontal plane about its vertical axis is :

(A) Swinging (B) Transiting

(C) Centering (D) Telescope normal

46. The algebraic sum of the deflection angle should be equal to :

(A) 180° (B) 90° (C) 360° (D) 270°

47. The size of the theodolite representing the diameter of the :

(A) Telescope (B) Bubble tube (C) Upper plate (D) Lower plate

48. Volume of 1 bag cement weighing 50 kg is :

(A) 1 m^3 (B) 0.34 m^3 (C) 0.034 m^3 (D) 0.0034 m^3

49. Key plans are drawn in _____ scale.

(A) Not to (B) 1 : 500 (C) 1 : 800 (D) 1 : 1000

50. Number of bricks required per cubic metre with nominal size :

(A) 800 (B) 1000 (C) 700 (D) 500

51. Adjacent side divided by hypotenuse of a right angled triangle :

(A) cosecant θ (B) cosine θ (C) sin θ (D) secant θ

52. If the observed fore bearing of a line AB is S 59° 18' W, the back bearing should be :

(A) S 59° 18' W (B) N 59° 18' E (C) S 59° 18' E (D) N 59° 18' W

53. A line through a point in which the plane passing through that point and the south and north poles, intersects with the surface of the earth is known as :

(A) True meridian (B) True bearing

(C) Magnetic meridian (D) Magnetic bearing

54. If the W.C.B. of a place is 170° 12', the quadrantal bearing would be :

(A) S 9° 48' W (B) S 9° 48' E (C) S 10° 48' W (D) N 10° 48' E

55. Which of the following scale is largest one ?

(A) 1 cm = 100 m (B) 1 : 420000 (C) 1 cm = 10 km (D) 1 cm = 100 km

56. Which of the following is **not** used to measure perpendicular offsets ?

(A) Optical square (B) Cross-staff (C) Box sextant (D) Steel tape

57. Which of the following scale has a common representative fraction but read in different units ?

(A) Pain scale (B) Diagonal scale

(C) Comparative scale (D) Shrunk scale

58. The vertical distance between an two consecutive contours is called :

(A) Contour equivalent (B) Contour interval

(C) Vertical equivalent (D) Horizontal equivalent

59. A fixed point of known elevation is known as :

(A) Datum (B) Reference point (C) Reduce level (D) Bench mark

60. Contour lines spaced closely indicate :

(A) Gentle slope (B) Steep slope (C) Plane ground (D) Uniform slope

61. One joule is equal to :

(A) 10^3 ergs (B) 10^5 ergs (C) 10^6 ergs (D) 10^7 ergs

62. A type of survey in which the shape of the earth is taken into account is called :

(A) Pane survey (B) Earth survey

(C) Geodetic survey (D) Geological survey

63. The length of revenue chain :

(A) 100 feet (B) 36 feet (C) 33 feet (D) 66 feet

64. A closed contour line with one or more higher value inside it represents :

(A) Hill (B) Pond (C) Depression (D) Cliff

65. The computation of locating contours is known as :

(A) Estimation (B) Intersection (C) Interpolation (D) Calculation

66. Very high degree of precision tape :

(A) Synthetic tape (B) Steel tape

(C) Metallic tape (D) Invar tape

67. In slabs and beams, the grade of concrete mix generally used :

(A) 1 : 2 : 6 (B) 1 : 3 : 6 (C) 1 : 2 : 4 (D) 1 : 4 : 8

68. According to ISI the strength of concrete is achieved after :

(A) 7 days (B) 10 days (C) 21 days (D) 28 days

69. The minimum thickness of R.C.C slab is :

(A) 4 cm (B) 7 cm (C) 5 cm (D) 10 cm

70. A survey which are made to fix the property line, the calculation of village land area or the transfer of land property from one owner to another is known as :

(A) City survey (B) Cadastral survey

(C) Topographical survey (D) Geological survey

71. In prismatic compass 'Zero' is marked at :

(A) North (B) East (C) South (D) West

72. The box of the compass is made of :

(A) Iron (B) Brass (C) Copper (D) Aluminium

73. Which of the following changes its position with time ?

(A) True meridian (B) Assumed meridian

(C) Arbitrary meridian (D) Magnetic meridian

74. A regular solid having six squares face is :

(A) Hexagonal prism (B) Cube

(C) Octahedran (D) Square prism

75. The sum of the interior angle of a regular pentagon :

(A) 360 (B) 540 (C) 560 (D) 640

76. The principle of tacheometer is mainly used for :

(A) Hydrographic survey (B) Topographical survey

(C) Locating contours (D) Profile

77. The process of establishing intermediate point on a straight line between the terminal points in surveying is termed as :

(A) Chaining (B) Stepping (C) Traversing (D) Ranging

78. Which method gives more accurate results in the measurement of areas ?

(A) Simpsons rule (B) Mid-ordinate rule

(C) Trapezoidal rule (D) Average ordinate rule

79. Which of the following is **not** true ?

(A) BS + RL = HI (B) HI − FS = RL (C) HI − IS = RL (D) BS + FS = HI

80. The Initial setting time of Portland cement :

(A) 1 hour (B) 10 hour (C) 30 minutes (D) 60 minutes

81. Who is the Present Governor of Kerala ?

(A) Nikhil kumar (B) H. Bharadwaj

(C) R.S. Gavai (D) Sheela Deekshith

82. First Non-Indian National Congress Chief Minister in Republic of India :

(A) Jyothi Basu (B) C.N. Annadurai

(C) E.M.S. (D) M.G. Ramachandran

83. Chavittunadakam is colourful Latin Christian art form originated in :

(A) Thrissur (B) Cochin (C) Mahe (D) Alappuzha

84. Name the Present Chief Electoral Officer of Kerala :

(A) E.K. Bharat Bhooshan (B) Niveditha P. Haran

(C) Nalini Netto (D) None of these

85. 'Aadu Jeevitham' a novel written by :

(A) Punathil Kunjabdulla (B) E.T. Muhammed Basheer

(C) M. Mukundan (D) Bannyamin

86. Kerala State Film Best Actor Award 2014 :

(A) Suraj Venjaramoodu (B) Mohanlal

(C) Jayaram (D) Fahadh Fasil

87. S.A. Dankhe belongs to :

(A) Janatha Party (B) Congress Socialist Party

(C) Communist Party of India (D) Indian National Congress

88. Who was the Founder Editor of 'Mankind and Jan' Magazine ?

(A) Ram Manohar Lohia (B) Rajaram Mohan Roy

(C) K. KamaRaj (D) S. Nijalingappa

89. The Country which is related to Warsaw Pact ?

(A) USA (B) Soviet Union (C) Britain (D) Germany

90. The expansion of E.V.M :

(A) Electronic Visual Media (B) Electrical Voting Machine

(C) Electronic Voting Machine (D) None of these

91. The leader who associated with the Principles of 'Glasnost and Peristroika' ?

(A) Joseph Stalin (B) Karl Marks (C) Lenin (D) Gorbachev

92. Name the Gandhian who died by performing an indefinite fast for the creation of separate Andra ?

(A) S. Nijalingappa (B) Potti Sriramalu (C) Sanjeeva Reddy (D) Rama Rao

93. Article 370 of the Indian Constitution give special status to :

(A) Delhi (B) Gujarat

(C) Jammu and Kashmir (D) Bihar

94. The Chipko Movement is an attempt to stop :

(A) Killing of Indian Tigers (B) Soil Erosion

(C) Deforestation (D) Killing of Birds

95. The bank which mainly focusing on Agricultural Development :

(A) Co-operative Bank (B) SBI

(C) Federal Bank (D) NABARD

96. Which Article of the Indian Constitution Relates to the Organisation of Village Panchayats ?

(A) Article 70 (B) Article 40 (C) Article 21 (D) Article 32

97. _____ is the longest served President of India.

(A) Dr. Rajendra Prasad (B) Dr. V.V. Giri

(C) Dr. S. Radhakrishnan (D) R. Venkitta Raman

98. In the Modern context most of the third world states are :

(A) Lingustically Homogeneous (B) Rich in Natural Resources

(C) Economically Self Reliant (D) Ethnically and Culturally divided

99. Socialism is like a hat that has lost in shape because everybody wears it. Who comment ?

(A) T.H. Green (B) Laski (C) Marc (D) C.E.M Joad

100. The Representation of People Act was passed in the year :

(A) 1950 (B) 1951 (C) 1953 (D) 1949

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