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DRAFTSMAN GRADE III(CIVIL)/OVERSEER GRADE III(CIVIL)/TRACER(SPECIAL .ST),HARBOUR ENGINEERING

EXAM DATE:07-12-2015

1.According to 2011 census the sex ratio is highest in

- A.Punjab
- B.Tamil Nadu
- C.Kerala*
- D.Manipur

Ans:C

2.The latitude passing through the centre of India

- A.Equator
- B.Tropic of Cancer*
- C.Tropic of Capricorn
- D.None of these

Ans:B

3.Sri Lanka is separated from India by

- A.Palk Strait*
- B.Indian Ocean
- C.Arabian Sea
- D.Bay of Bengal

Ans:A

4.The shape of the Deccan Plateau

- A.Triangular*
- B.Rectangular
- C.Square

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D.Hexagonal

Ans:A

5.Keoladeo Ghana National Park situated in Rajasthan is also known as

A.Sultanpur Bird Sanctuary

B.Bhagalpur Bird Sanctuary*

C.Ranganthittu

D.Vedanthangal

Ans:B

6.The First War of Indian Independence took place in

A.1757

B.1857*

C.1885

D.1905

Ans:B

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

A.Lord Rippon

B.Lord Linlithgow

C.Lord Irwin*

D.Lord Dalhousie

Ans:C

8.The first English President of Indian National Congress

A.A.O.Hume

B.Annie Besan

C.Robert Clive

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D.George Yule*

Ans:D

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*

Ans:D

10.An East flowing river of Kerala

A.Bhavani*

B.Bharatapuzha

C.Pamba

D.Chaliyar

Ans:A

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

A.Pathanamthitta*

B.Kottayam

C.Alapuzha

D.Thrissur

Ans:A

12.Vedadikara Nirupanam is the famous work of

A.Vagbhadananda

B.Sree Narayana Guru

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C.Ayyankali

D.Chattampi Swamikal*

Ans:D

13.Sadhu Jana Paripalana Sangham was organized by

A.Pandit Karuppan

B.Sree Narayana Guru

C.Aiya Vaikundar

D.Ayyankali*

Ans:D

14.The brain behind the Ezhava Memorial

A.Dr.Palpu*

B.Kumaran Asan

C.C.Kesavan

D.Sree Narayana Guru

Ans:A

15.Samadhi Sapthakam,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

Ans:B

16.Savarna Jadha is associated with

A.Paliyam Satyagraha

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B.Shanar Agitation

C.Guruvayur Satyagraha

D.Vaikom Satyagraha*

Ans:D

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

A.Adoor Gopalakrishnan

B.Sasi kumar

C.I.V.Sasi*

D.Jose Prakash

Ans:C

18.Jasmine Revolution of 2011 took place in

A.Egypt

B.Tunisia*

C.China

D.Singapore

Ans:B

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

Ans:C

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

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- A.Myanmar
- B.Bangladesh
- C.Sri Lanka*
- D.Nepal

Ans:C

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°

Ans:C

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

Ans:B

23.The true meridian passes through-----

- A.Magnetic poles
- B.Arbitrary poles
- C.Line of Collimation
- D.Geographical poles*

Ans:D

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

Ans:A

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*

Ans:D

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

- A.20
- B.150*
- C.100
- D.30

Ans:B

27.-----is an error in compass survey.

- A.Traverse
- B.Centering
- C.Station marking
- D.Local attraction*

Ans:D

28.Compass box is made of-----

A.Wood

B.Brass*

C.Iron

D.None of these

Ans:B

29.Scale of chords is used to-----

A.Measuring angles*

B.Measuring chord length

C.Measuring diameter

D.Measuring radius

Ans:A

30.10 inch is-----cm

A.100

B.35.4

C.25.4*

D.2.54

Ans:C

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

A.1:2

B.1:5

C.1:50*

D.50:1

Ans:C

32.Concrete work is measured in -----unit.

- A.Sq.metre
- B.Running metre
- C.Cu.metre*
- D.None of these

Ans:C

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*

Ans:D

34.The strength of concrete is directly proportional to-----

- A.Water-Cement ratio*
- B.Water aggregate ratio
- C.Sand Cement ratio
- D.All of the above

Ans:A

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

- A.Iron
- B.Zinc*
- C.Carbon
- D.Copper

Ans:B

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

A.1.64

B.13*

C.1.00

D.1.5

Ans:B

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

A.Half bat

B.King closer

C.Queen closer*

D.None of these

Ans:C

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

A.Sill

B.Head*

C.Crown

D.Frame

Ans:B

39.In Surveying the measurements are taken in-----plane.

A.Vertical*

B.Horizontal

C.Inclined

D.All the above

Ans:A

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

A.Plane

B.Geodesic*

C.Ariel

D.Hydro graphic

Ans:B

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

A.Diesel

B.Kerosene

C.Turpentine*

D.Petrol

Ans:C

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

A.Hoffman's kiln

B.Bull's kin

C.Tunnel kiln

D.Rotary kiln*

Ans:D

43.Soundness test of cement is done by

A.Le-Chatelier apparatus*

B.Slump test

C.Vicat's apparatus

D.Compressive machine

Ans:A

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

- A.Motor way
- B.Express way
- C.Carriage way*
- D.Foot path

Ans:C

45.The rocks are formed by molten magma is called

- A.Igneous rocks*
- B.Sedimentary rocks
- C.Metamorphic rocks
- D.None of these

Ans:A

46.Trimmed size of “A_2”drawing sheet is

- A.841 x 1189
- B.420 x594*
- C.594 x 841
- D.None of these

Ans:B

47.One kilogram is equal to-----pounds.

- A.22.05
- B.0.2205
- C.220.5
- D.2.205*

Ans:D

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*

Ans:D

49.The principle of compass survey is

- A.Triangulation
- B.Traversing*
- C.Parallelism
- D.None of the above

Ans:B

50.The datum adopted for India is

- A.MSL at Mumbai
- B.MSL at Chennai
- C.MSL at Karachi*
- D.None of these

Ans:C

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

- A.English Bond*
- B.Flemish Bond
- C.Header Bond
- D.Stretchers Bond

Ans:A

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

A.10 mm

B.3 mm*

C.8 mm

D.6 mm

Ans:B

53.Diagonal scale is measured to-----unit.

A.Three consecutive*

B.One

C.Two

D.None of these

Ans:A

54."M₁₀" grade of concrete stands for-----

A.1:2:4

B.1:4:8

C.1:1:2

D.1:3:6*

Ans:D

55.Concrete for road construction recommended slump is-----

A.40 to 50

B.80 to 100

C.60 to 80

D.20-40*

Ans:D

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

- A.Skew back*
- B.Crown
- C.Springing line
- D.Extrudus

Ans:A

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

- A.Crown
- B.Key
- C.Voussoirs*
- D.Rise

Ans:C

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

Ans:C

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

Ans:B

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

A.Cleats*

B.Battens

C.Pitch

D.Hip

Ans:A

61.The outer line of an objects are drawn using -----Pencil.

A.HB

B.H*

C.2H

D.3H

Ans:B

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

A.Long break

B.Short break

C.Cutting plane*

D.Hidden

Ans:C

63.-----vernier is provided in abney level

A.Direct

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B.Retrongrade

C.Double

D.Extended*

Ans:D

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

A.20 cm*

B.25 cm

C.30 cm

D.35 cm

Ans:A

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

A.3.5*

B.4.5

C.5.5

D.6.5

Ans:A

66.-----dimensioning system is used in engineering drawing.

A.Aligned*

B.Unidirectional

C.Notation system

D.Conventional system

Ans:A

67.The eccentricity of a hyperbola is-----

A.<1

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B.1

C.>1*

D.2/3

Ans:C

68.Each deflection angle of pentagon=-----

A.60⁰

B.72^{0*}

C.108⁰

D.120⁰

Ans:B

69.Sand stone is a-----rock

A.Volcanic

B.Igneous

C.Metamorphic

D.Sedimentary*

Ans:D

70.-----is a mineral.

A.Quartzite*

B.Laterite

C.Granite

D.Calcite

Ans:A

71.The average weight of a brick is-----

A.1.5 to 2 kg

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B.2 to 2.5 kg

C.2.5 to 3 kg

D.3 to 3.5 kg*

Ans:D

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

A.10

B.13

C.17*

D.20

Ans:C

73.The maximum increases 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

Ans:B

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

Ans:B

75.The percentage of copper in high tensile steel is-----

- A.0%
- B.0.25%
- C.0.4%*
- D.0.55%

Ans:C

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*

Ans:D

77.-----joints are usually jointed in ashlar masonry

- A.Vee
- B.Projecting
- C.Channel
- D.Flush*

Ans:D

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

- A.Single Flemish
- B.Double Flemish
- C.English*
- D.Dutch

Ans:C

79.-----is an example for lengthening joint.

- A.Bridle joint
- B.Fished joint*
- C.Mortise and tenon joint
- D.Housed joint

Ans:B

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

- A.Panel*
- B.Transom
- C.Mullion
- D.Slash

Ans:A

81.The outermost support of an arch is-----

- A.Piers
- B.Skew-back
- C.Abutments*
- D.Intrados

Ans:C

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

Ans:B

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

Ans:B

84.The principle of optical square is-----

- A.Refraction
- B.Reflection
- C.Double reflection*
- D.Double refraction

Ans:C

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

- A.Base line*
- B.Tie line
- C.Check line
- D.Boundary line

Ans:A

86.Bad ranging is a source of -----error

- A.+ve cumulative*
- B.-ve cumulative

C.Compensating

D.Natural

Ans:A

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

A.Adjustable

B.Open*

C.French

D.Mirror type

Ans:B

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

Ans:A

89.The dip for the magnetic needle at equator is-----

A. 90°

B. 60°

C. 45°

D. 0° *

Ans:D

90.-----is the method of plane tabling adopted for locating in accessible points.

- A.Resection
- B.Radiation
- C.Traversing
- D.Intersection*

Ans:D

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

- A.Elevation*
- B.Height of instrument
- C.Staff reading
- D.Staff intercept

Ans:A

92.Leveling 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

Ans:C

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

- A.Solid staff
- B.Telescopic staff
- C.Telescopic staffs
- D.Target staff*

Ans:D

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

- A.Hachures
- B.Shading
- C.Contours*
- D.Models

Ans:C

95.Contour interval for mountainous region is-----

- A.2 m*
- B.5 m
- C.10 m
- D.20 m

Ans:A

96.The accurate rule for computation of volume is-----rule.

- A.Trapezoidal
- B.Prismoidal*
- C.Simpson's
- D.Transit

Ans:B

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

- A.Pentograph
- B.Proportionate compass
- C.Box settant

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D.Planimeter*

Ans:D

98.Abeny level is used for-----

A.Reducing plan

B.Enlargement of plan

C.Slope measurement

D.Area determination*

Ans:D

99.An example for kharif crop is-----

A.Gram

B.Wheat

C.Jowar*

D.Potato

Ans:C

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

Ans:B

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