OVERSEER/DRAFTSMAN GR.III,LSGD

EXAM DATE:28-10-16

**1.Quick lime is a**

A.Product left immediately after the calcinations of pure lime stone\*

B.Carbonate of lime

C.Oxide of lime

D.Lime quickly treated with water

Ans:A

**2.A good quality cement should have higher percentage of:**

A.Silica

B.Free lime

C.Di calcium silicate

D.Tri calcium silicate\*

Ans:D

**3.In a flat arch,the skew back is made to rest in an inclined position so as to make an angle of --------with springing line**

A.300

B.600\*

C.500

D.400

Ans:B

**4.The lowest part of a structure which transmits the load to the soil is known as:**

A.Super structure

B.Plinth

C.Foundation\*

D.Basement

Ans:C

**5.The compressive strength of good Portland cement and standards and mortar after 3 days of curing should not be less than:**

A.17.5 mN/m2

B.7mN/m2

C.21mN/m2

D.11.5mN/m\*

Ans:D

**6.The percentage of residue left after seiving good portland cement in 90 micron sieve should not exceed**

A.20%

B.55%

C.30%

D.10%\*

Ans:D

**7.What is the number of traditional brick required for 10 m3 of brick work with standard thickness of cement mortar 1:3 to 1:5?**

A.4750

B.4850

C.4950

D.5050\*

Ans:D

**8.The moisture content of timber used in building frames can be:**

A.2% to 5%

B.8% to 12%\*

C.12% to 18%

D.>20%

Ans:B

**9.The length of a ranging rod is:**

A.2 to 4 mtrs

B.2 to 3 mtrs\*

C.3 to 4 mtrs

D.2 to 2.5 mtrs

Ans:B

**10.The durability of concrete is proportional to**

A.Sand content

B.Water cement ratio

C.Aggregate water ratio

D.Cement aggregate ratio\*

Ans:D

**11.For RCC construction,the maximum size of coarse aggregate is limited to:**

A.15 mm

B.20 mm\*

C.25 mm

D.10 mm

Ans:B

**12.According to Indian standard specifications,the temperature for curing is:**

A.5 C

B.10 C
C.27 C\*

D.42 C

Ans:C

**13.A fixed point with known elevation is known as:**

A.Daturm point

B.Reference print

C.Bench mark\*

D.First sight

Ans:C

**14.Frog made in the bricks is:**

A.To reduce the weight of the brick

B.To form a key for holding the mortar\*

C.To indicate manufacturing details

D.To indicate the top of the brick

Ans:B

**15.The chief ingredient of paint is:**

A.Alcohol

B.Drier

C.Pigment\*

D.Oil

Ans:C

**16.Linseed oil in paint is used as a:**

A.Base

B.Thinner

C.Carrier

D.Pigment\*

Ans:D

**17.The base material for distemper is:**

A.Lime

B.Clay

C.Chalk\*

D.Lime putty

Ans:C

**18.The fall of moisture from the atmosphere to the earth surface in any form is called:**

A.Evaporation

B.Transpiration

C.Precipitation\*

D.None of these

Ans:C

**19.The Indian Road Congress(I.R.C)was setup in:**

A.1930

B.1934\*

C.1948

D.1956

Ans:B

**20.The central part of a tree is called**

A.Heart wood

B.Sapwood

C.Pitch\*

D.Cambium layer

Ans:C

**21.Number of links in a 30 m metric chains**

A.100

B.200

C.150\*

D.180

Ans:C

**22.The workability of concrete can be increased by which of the following?**

A.Increasing the quantity of course aggregate without altering the total aggregate quantity

B.Decreasing the quantity of course aggregate without altering the total aggregate quantity\*

C.Decreasing the quantity of fine aggregate without altering the total aggregate

D.None of the above

Ans:B

**23.An isolated load bearing masonry member is known as:**

A.Pillar\*

B.Buttrers

C.Ramp

D.Post

Ans:A

**24.The angle of intersection of the two plane mirrors of an optical square is:**

A.30

B.60

C.45\*

D.90

Ans:C

**25.The very first reading taken is**

A.Invert

B.Intermediate sight

C.Back sight\*

D.Fore sight

Ans:C

**26.The type of pile which is driven at an inclination to resist inclined force is known as:**

A.Friction pile

B.Batter pile\*

C.Sheet pile

D.Anchor pile

Ans:B

**27.In chain surveying perpendicular to chain lines are set out by**

A.Theodolite

B.A prismatic compass

C.A dumpy level

D.An optical square\*

Ans:D

**28.Tachometery is best suited**

A.In broken grounds

B.For popular areas

C.Where chaining is impossible\*

D.For extremely accurate survey

Ans:C

**29.The contour lines can across one another on map only in the case of**

A.Vertical cliff

B.Valley

C.Ridge

D.An overhanging cliff\*

Ans:D

**30.The number of steps in a flight should not be less then**

A.3 No\*

B.8 No

C.5 Nos

D.10 Nos

Ans:A

**31.The inclined braces used in a truss to prevent the sagging of the principal rafters are called**A.King post

B.Tie beam

C.Queen post

D.Struts\*

Ans:D

**32.1 hectre=----------Sqm**

A.10000 sqm

B.100 sqm

C.1000 sqm\*

D.10 sqm

Ans:C

**33.The lines of earth’s magnetic field run from**

A.East to west

B.South to west

C.North to south

D.West to east

Ans:-

**34.Smallest length that can be drawn on a map is:**

A.1.2 cm

B.0.2 cm

C.0.6 cm

D.1 cm\*

Ans:D

**35.The number of horizontal cross wires in a study a diaphragm is**

A.2

B.4

C.1

D.3\*

Ans:D

**36.In order to determine the natural features such as valleys,rivers,lakes etc.The preferred is**

A.City surveying

B.Location surveying

C.Cadastral surveying

D.Topographical surveying\*

Ans:D

**37.When 1 cm on a map represents 10 m on the ground,representative fraction on**

A.1/1000\*

B.1/20

C.1/100

D.1/1

Ans:A

**38.At the magnetic poles the amount dip is**

A.0\*

B.45

C.60

D.90

Ans:A

**39.The distance travelled by a train of length 80 mtr to cross a bridge of 120 m**

A.120 mtr

B.80 mtr

C.160 mtr

D.200 mtr\*

Ans:D

**40.Average length of a pace is:**

A.50 cm

B.80 cm\*

C.110 cm

D.140 cm

Ans:B

**41.Area is expressed in-units**

A.Square units\*

B.Cubic units

C.Litres

D.Gallon

Ans:A

**42.A foundation in the form of thick reinforced concrete slab covering.The entire area of bottom of the structure is known as**

A.Rafft foundation\*

B.Combined foundation

C.Well foundation

D.Pile foundation

Ans:A

**43.Volume of bucket is given by:**

A.4/3 Pie r3

B.Pie r2h

C.Pie h(R2-r2)

D.None of these\*

Ans:D

**44.Area of equilateral triangle is:**

A.Square root of ¾ S2\*
B.b/4 Square root of 4a2-b2

C.1/2(a+b)

D.b/2(b1+b2)

Ans:A

**45.The thedolite is an instrument used for measuring very accurately**

A.Horizontal and vertical angles\*

B.Vertical angles only

C.Linear measurements

D.Horizontal angles only

Ans:A

**46.The deflection angle may have any value between**

A.0 and 180\*

B.0 and 90

C.0 and 120

D.0 and 45

Ans:A

**47.A line normal to the plump line at all points is known as:**

A.Horizontal line

B.Vertical line

C.Line of collimation
D.Level line\*

Ans:D

**48.The best wood for sleeper is:**

A.Sal

B.Teak\*

C.Deodar

D.Chirr

Ans:B

**49.An imaginary line lying through out the surface of the ground and preserving an constant inclination to the horizontal is known as**

A.Counter line

B.Counter interval

C.Horizontal equivalent

D.Countour gradient\*

Ans:D

**50.Plaster of parts is obtained from the clacinations of:**

A.Bauxite

B.Limestone

C.Dolomite

D.Gypsum\*

Ans:D

**51.A pattern of dots that appears on AutoCAD screen of computer but that does not called:**

A.Snap

B.Ortho

C.Grid\*

D.Limits

Ans:C

**52.A pipe used to carry discharge from sanitary fittings like bath rooms,Kitchens etc.**

A.Soil pipe

B.Waste pipe\*

C.Vent pipe

D.Anti siphon age pipe

Ans:B

**53.The part of circle bounded by an arc and its chord is known as**

A.Semi circle

B.Chord

C.Segment\*

D.Sector

Ans:C

**54.A couple close roof is used for span upto**

A.3.5 m\*

B.5 m

C.9 m

D.14 m

Ans:A

**55.The process of hardening the concrete mixes by keeping its surface moist for a certain period is called:**

A.Floating

B.Curing\*

C.Screeding

D.None of these

Ans:B

**56.Black marble is generally found in the district of**

A.Jodhpur

B.Jaipur\*

C.Jabalpur

D.Jaisalmar

Ans:B

**57.The lime commonly used under damp situation is**

A.Fat lime\*

B.Hydraulic lime

C.Lean lime

D.Hydrated lime

Ans:A

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

A.Alignment

B.Gradient\*

C.Supper elevation

D.Length of summit

Ans:B

**59.The surface are of A0 size drawing sheet is:**

A.2 Sq.m

B.1 Sq.m\*

C.1.5 Sq.m

D.3 Sq.m

Ans:B

**60.The most important tool used for brick masonry is:**

A.Brick hammer

B.Trowel\*

C.Spirit level
D.Line and pic

Ans:B

**61.The horizon glass in and optical square is:**

A.Half silvered and half unsilvered\*

B.Wholly unsilvered

C.One fourth silvered and three fourth unsilvered

D.Wholly silvered

Ans:A

**62.The defect caused during seasoning of timber is called:**

A.Knot

B.Ring gall

C.Foxiness

D.Honey combing\*

Ans:D

**63.An assembled product of veneers and adhesives is called:**

A.Board

B.Plank

C.Plywood\*

D.Batten
Ans:C

**64.In supper passage FSL of the canal is:**

A.Lower than underside of the through carrying drainage water\*

B.Above the bed level of the drainage through

C.In level with the drainage through

D.None of the above

Ans:A

**65.In steep and broken ground,the most suitable method of contouring is:**A.By cross-section board

B.By squares

C.By spot levelling

D.By tachometer\*

Ans:D

**66.--------method is used for plotting the distance and inaccessible objects**

A.Intersection\*

B.Resection

C.Two point problem

D.Radiation

Ans::A

**67.The stone used for roofing is:**

A.Slate\*

B.Laterite

C.Quartzite

D.Gneiss

Ans:A

**68.The under surface of a stair is:**

A.Scotia

B.String

C.Flight

D.Soffit\*

Ans:D

**69.One hector is equal to how many acres?**

A.24.70

B.2.47\*

C.0.247

D.247

Ans:B

**70.To protect natural slopping ground-------is construct**

A.Breast wall\*
B.Retaining wall

C.Wing wall

D.Combined wall

Ans:A

**71.Box of prismatic compass is made of:**

A.Copper

B.Nickel

C.Brass\*

D.None of these

Ans:C

**72.The specific gravity of stone should not in any case less than:**

A.2.5\*

B.2

C.1.5

D.1

Ans:A

**73.The rocks which are deposited in layers and can be easily split along such** layers known as:

A.Aqueous rock

B.Sedimentary rock\*

C.Metamorphic rock

D.Basalt

Ans:B

**74.The extend of land that gets irrigated from a water source is:**

A.Duty

B.Delta

C.Ayacut\*

D.Furrouts

Ans:C

**75.The preferable slope of a drawing board support is:**

A.1:2\*

B.1:4

C.1:6

D.1:8

Ans:A

**76.Laterite is chemically classified as:**

A.Calcareous rock

B.Argilaceous rock\*

C.Siliceous rock

D.None of the above

Ans:B

**77.The percentage of silica in good brick clay should vary from:**

A.50 to 60%\*

B.40 to 50%

C.30 to 40%

D.20 to 30%

Ans:A

**78.The dressing of stone is done:**

A.Immediately after quarrying\*

B.After reasoning

C.After three months of quarrying

D.Just before building

Ans:A

**79.What general name is given to the physical parts of computer?**

A.Software

B.Firmware

C.Hardware\*

D.Device drivers

Ans:C

**80.Which of the following is hardest rock?**

A.Marble

B.Diamond\*

C.Tale

D.Quarts

Ans:B

**81.Who founded the Organization ‘Vidhyaposhini Sabha’?**

A.Vagbhatananda

B.Sahodaran Ayyappan\*

C.Chattampi Swamikal

D.Dr.Palpu

Ans:B

**82.Who is the first Chief Secretary of Kerala?**

A.Omana Kunjamma

B.Padma Ramachandran\*
C.Mery Punnan Lukose

D.Sreelekha

Ans:B

**83.Malabar Temple Entry Authorisation Act was passed in the year:**

A.1931

B.1936

C.1942

D.1947\*

Ans:D

**84.The ruler of Travancore who banned ‘Suchindram Kaimukku’is:**

A.Rani Sethulakshmi Bhai

B.Sreemoolam Thirunal
C.Swathi Thirunal\*

D.Rani Gouri Parvathi Bhai

Ans:C

**85.The Malayalam work’Manushyanu Oru Aamukham’was written by:**

A.Benyamin

B.K.P.Ramanunni

C.Subhash Chandran\*

D.Puthussery Ramachandran

Ans:C

**86.Article 16 of Indian Constitution deals:**

A.Equality of opportunity in matters of public employment\*

B.Abolitiion of titles

C.Prohibition of discrimination on grounds of religion,race,sex etc

D.Equality before law

Ans:A

**87.Which constitutional amendment lowered the voting age from 21 years to 18** **years**

A.61st Amendment\*

B.65th Amendment

C.63rd Amendment

D.73rd Amendment

Ans:A

**88.Returning officer for the election to President of India is:**

A.Lok Sabha Speaker

B.Secretary General of Rajyasabha\*

C.Attorney General

D.Vice President

Ans:B

**89.The 7th Schedule of Indian Constitution deals with:**

A.Distribution of power between Union and States\*

B.Allocation of seats in the council of states

C.Power and authority of Municipalities

D.Powers of the Governors of States

Ans:A

**90.The Food safety and Standards Act was passed in:**

A.2014

B.2008

C.2009

D.2006\*

Ans:D

**91.Who is the union Cabinet minister?**

A.Ravishankar Prasad

B.Harsh Vardhan\*

C.Radha Mohan Sing

D.Smriti Irani

Ans:B

**92.Who is the present Director General of World Trade Organisation?**

A.Christine Lagarde
B.Margeret Chan

C.Lee Jong-wook

D.Hiroshi Naka

Ans:---

**93.The book ‘A Brief history of Seven Killings’is written by:**

A.Salman Rushdie

B.Kiran Desai

C.Chetan Bhagat

D.Marlon James\*

Ans:D

**94.Capital of Norway:**

A.Oslo\*

B.Warsaw

C.Helsinki

D.Stockholm

Ans:A

**95.International Day of Yoga is celebrated annually on:**

A.July 23

B.July 19

C.June 21\*

D.June 19

Ans:C

**96.How many Grama Panchayath are there in kerala?**

A.992

B.952

C.962

D.941\*

Ans:D

**97.The book’Against Lord and State’was written by:**

A.K.K.N.Kuruppu

B.K.M.Panikker

C.K.N.Panikker\*

D.Madhava Menon

Ans:C

**98.The Organization Samatva Samaj was founded by:**

A.Vaikunda Swami\*

B.Vagbhatananda

C.Brahmananda Sivayogi

D.Pandit Karuppan

Ans:A

**99.In which year social reformer Ayyankali was born:**

A.1857

B.1858

C.1863\*

D.1867

Ans:C

**100.Who conducted ‘Yachana Yathra’for rising fund for the education of his** **community?**

A.Ayyankali

B.Pandit Karuppan

C.A.K.Gopalan

D.V.T.Bhatathirippad\*

Ans:D