

OVERSEER GRADE 3,PANCHAYATH

EXAM DATE:21-11-2015

1.Dog-legged stair is a

- A.Half-turn stair*
- B.Quarter turn stair
- C.Three quarter turn stair
- D.Continuous stair

Ans:A

2.The portion of the brick cut to form angels other than right angle in plan is known as:

- A.Queen closer
- B.Squint brick*
- C.Quoion brick
- D.None of above

Ans:B

3.The course of stone masonry provided at the top of a wall and usually ornamental in shape are known as

- A.Corbel
- B.Throughting
- C.Projecting course
- D.Cornice*

Ans:D

4.The member used in inclined position for supporting the strainer post is

- A.Tension rod

B.Compression rod

C.Strut*

D.Tie beam

Ans:C

5.An arrangement for supporting in unsafe structure temporarily in known as

A.Pilling

B.Underpinning

C.Scaffolding

D.Shoring*

Ans:D

6.The area of any irregular figure plotted map is measured with

A.Pentagraph

B.Sexant

C.Clinometer

D.Planimeter*

Ans:D

7.On a diagonal scale it is possible to read upto

A.One dimension

B.Two dimension

C.Three dimension*

D.Four dimension

Ans:C

8.Superelevation depends on

- A.Surface condition of the rod
- B.Radius of the curve
- C.Speed of the vehicle
- D.(B)and (C)above*

Ans:D

9.Contour lines close together indicate

- A.Gentle slope
- B.Steep slope*
- C.Plane ground
- D.Valley

Ans:B

10.The whole circle bearing of a line is 120° ,its reduced bearing is:

- A.S 30° E
- B.N 60° E
- C.N 120° E
- D.S 60° E*

Ans:D

11.The simpson's rule for determination of area is used when the no.of offset is

- A.Two
- B.Three
- C.Even
- D.Odd*

Ans:D

12.The zero of the graduated circle of a prismatic compass is located a

- A.South end*
- B.East end
- C.North end
- D.Anyone of these

Ans:A

13.The working edge of an alidade is known as-----edge.

- A.Ebonite
- B.Fiducial*
- C.Straight
- D.Graduated

Ans:B

14.Which type of foundation is provided on a weak soil?

- A.Grillage
- B.Column footing
- C.Raft foundation
- D.All the above*

Ans:D

15.Vicat apparatus is used for

- A.Consistency test*
- B.Test for setting time
- C.Test for tensile strength
- D.None of these

Ans:A

16.A hard water may contain

- A.Calcium carbonate
- B.Magnesium Sulphate
- C.Magnesium bicarbonate*
- D.Any of the above

Ans:C

17.Bleaching powder is:

- A.Slaked lime
- B.Chloride of lime
- C.Hypo-chlorite lime*
- D.None of the above

Ans:C

18.Permanent hardness of the water can be removed by

- A.Adding lime
- B.Adding chlorine
- C.Boiling
- D.Zeolite process*

Ans:D

19.The waste water from bathrooms,lavatory basins,kitchen etc are called

- A.Sullage*
- B.Night soil
- C.Waste Soil
- D.None of these

Ans:A

20.The gas which is mainly responsible for explosion in sewers is called

A.Methane*

B.Ethane

C.Carbon Monoxide

D.None of the above

Ans:A

21.For maximum alkalinity of water pH value should be

A.Less than 7

B.More than 7

C.21

D.14*

Ans:D

22.One Newton is equal to

A. 10^4 dyness

B. 10^5 dyness*

C. 10^6 dyness

D. 10^7 dyness

Ans:B

23.The moment of force is equivalent to

A.The sum of the moments acting on a body

B.The vertical sum of the moments acting on a body

C.The algebraic sum of the moments acting on a body*

D.None of the above

Ans:C

24.The property of a material by which it can be beaten or rolled into plates is called

- A.Elasticity
- B.Malleability*
- C.Rigidity
- D.Viscosity

Ans:B

25.Bending moment on a section is maximum where shear force is

- A.2
- B.5
- C.10
- D.Zero*

Ans:D

26.Snowcem is

- A.Mixture of lime and pigment
- B.Chalk powder
- C.Coloured cement*
- D.None of the above

Ans:C

27.Bressummer process is used for the manufacture of

- A.Pig iron
- B.Wrought iron
- C.Cast iron

D.Steel*

Ans:D

28.The covering on the exposed top of the wall is called:

A.Cornice

B.Coping*

C.Corbel

D.Cramp

Ans:B

29.Seasoning of timber is essential to remove

A.Knots from timber

B.Sap from timber*

C.Twisted fibre from timber

D.Roughness of timber

Ans:B

30.The horizontal member forming the bottom of the frame is called as

A.Transom

B.Still

C.Rail*

D.Sill

Ans:C

31.The maximum percentage ingredient in cement is that of

A.Magnesium Oxide

B.Aluminium

C.Silica

D.Lime*

Ans:D

32.Corrosion resistance of stainless steel is due to

A.Sulphur

B.Manganese

C.Chromium*

D.Chromium Vanadium

Ans:C

33.Alumina is

A. Al_2O_2

B. Al_2SO_4 *

C. $Al_2O_3SiO_3$

D. $Al_2K_2SO_4$

Ans:B

34.The bearing capacity of a soil cannot be increased by

A.Grouting

B.Compacting

C.Moistening the soil*

D.Withdrawal of moisture from the soil

Ans:C

35.The process of keeping concrete moist for several days after finishing is called

A.Curing

B.Setting

C.Curing*

D.Compacting

Ans:C

36.Duco is the trade name for

A.Bituminous paint

B.Oil Paint

C.Cellulose paint*

D.Water paint

Ans:C

37.The members which support covering material of a sloping roof are

A.Rafters

B.Setting

C.Cellulose paint*

D.Water paint

Ans:C

38.The ratio of total volume of water delivered to a crop to the area on which it has been spread is called

A.Delta*

B.Duty

C.Base period

D.Run off

Ans:A

39.Cross staff in an instrument used for

A.Levelling

B.Inclination

C.Setting out right angle*

D.Measure horizontal distance

Ans:C

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

A.Magnetic declination*

B .The curvature of the earth

C.Radiation

D.Altitude

Ans:A

41.Broken stones places on earth surface for their protection against the action of water or weather

A.Regular

B.Riprap*

C.Scour

D.Silt

Ans:B

42.The upstream nose of a bridge pier shaped for ease and smooth flow of water past it

A.Cut-water*

B.Ease water

C.Wing wall

D.Shutter

Ans:A

43.The property of concrete which permits the percolation or passage of water through it

A.Permeability *

B.Floating

C.Cribbing

D.Ductility

Ans:A

44.The formation of a whitish loose powder or crust on the surface of brick walls is called

A.Efflorescence*

B.Extrados

C.Haunch

D.Jambs

Ans:A

45.-----is made from ordinary clay,similar to that used for bricks,burnt at a low temperature and the articles are porous and weak

A.Stone ware

B.Earthen ware*

C.Terra-cotta

D.Hollow bricks

Ans:B

46.The waste from furnace and resembles burnt coal

A.Furnace slag

B.Clinker*

C.Coke breeze

D.Asbestos

Ans:B

47.A polishing abrasive made artificially by mixing in certain proportions sand and carbon and heating the mixture in an electric furnace

A.Carborandum*

B.Emery

C.Coke

D.Ballast

Ans:A

48.The increase in volume of sand or aggregate caused by the absorption of water:

A.Bleeding

B.Bulking*

C.Cribbing

D.Curing

Ans:B

49.An additional floor,gallery or balcony erected between the floor and ceiling of any storey.

A.Landing

B.Mezzanine floor*

C.Mosaic floor

D.Lobby

Ans:B

50.A small vertical window built in a sloping roof

- A.Dormer*
- B.Clarastorey
- C.Bay
- D.North light

ANs:A

51.The processing of supporting the existing structure for renewing or repairing the lower walls or foundation.

- A.Scaffolding
- B.Piling
- C.Shoring
- D.Underpinning*

Ans:D

52.Lightweight concrete weighing less than

- A.1600kg/cu.m*
- B.1500kg/cu.m
- C.1200kg/cu.m
- D.1000kg/cu.m

Ans:A

53.The inward tilt or transverse inclination given to the cross section of a carriage way on a horizontal curve in a road is called

- A.Sub way
- B.Camber
- C.Gradient

D.Super elevation*

Ans:D

54.-----arch is built over a lintel or a flat arch to relieve the latter of the superincumbent weight.

A.Jack arches

B.Segmental arch

C.Relieving arch*

D.None of the above

Ans:C

55.One H.P.how many kilo watts?

A.745.7

B.7457

C.0.7457*

D.74.57

Ans:C

56.One Are is equal to-----sq.meters.

A.99

B.200

C.100*

D.10

Ans:C

57.The vertical distance between the dip and crown weir of a trap is known as:

A.Waterseal*

B.Flushing is terms

C.Water closets

D.Drains

Ans:A

58.A channel which is designed to irrigate during only part of the year is

A.Perennial canal

B.Non-Perennial canal*

C.Penstock

D.Minor distributors

Ans:B

59.A junction so designed to that traffic streams are divided to enable them to pass over or under each other.

A.Fly over*

B.Aqueduct

C.Supper passage

D.Subway

Ans:A

60.The stone aggregate is bound together by a binder applied to penetrate to the desired depth is called

A.Asphalt

B.Macadam*

C.Gutter

D.Formation

Ans:B

61.The loosening of the top surface of a road by mechanical or other means:

- A.Scarifying*
- B.Stepping
- C.Stripping
- D.Screenings

Ans:A

62.The area which rainfall flows into a drainage line,out fall or reservoir etc.

- A.Rainfall
- B.Run-off
- C.Catchments*
- D.Drains

Ans:C

63.A temporary enclosure built to exclude water from the working area and to permit free access to the area within during the construction must be undertaken below water level

- A.Earthen dam
- B.Gravity dam
- C.Caisson
- D.Coffer-dam*

Ans:D

64.Removal of sewage by a network of underground pipelines or sewers with water

- A.Conservancy system

B.Water carriage system*

C.Waste water system

D.One pipe system

Ans:B

65.A ventilating pipe connected to or close to the outlet side of a trap seal.

A.Soil pipe

B.Siphonage pipe

C.Antisiphonage pipe*

D.Vent pipe

Ans:C

66.-----are available made of thin iron plates of flat,circular or oblong shapes in which gauge thickness are cut at the edges.

A.Gauge measures*

B.Sheet gauges

C.R.S.Joists

D.Channels

Ans:A

67.Purer form of coal and contains a majority of carbon,is produced from coal artificially

A.Carbon steel

B.Coke*

C.Creep

D.Graphite

Ans:B

68.The moisture content at which a specified amount of compaction will produce the maximum dry density in a soil is

- A.Hydroscopic moisture
- B.Optimum moisture content*
- C.Fully saturated
- D.Partially Saturated

Ans:B

69.Rankine's formula for minimum depth of foundation is:

Ans: $h=p/w[(1-\sin \theta)/1+\sin \theta]^2$

70.Aportion of masonry built into the front of the wall to strengthen it for lateral stability against thrust from an arch,roof or wind pressure

- A.Bressummer
- B.Buttress*
- C.Brick core
- D.Blocking course

Ans:B

71.The main reinforcement in a simply supported RCC member placed at

- A.Top fibre
- B.Side fibre
- C.Bottom fibre*
- D.None of these

Ans:C

72.If the load at the free end cantilever beam is increased the failure will occure at the

- A.Free end
- B.Centre
- C.Support*
- D.None of the above

Ans:C

73.Chemically ,marble is known as:

- A.Siliceous rock
- B.Metamorphic rock
- C.Argilaceous rock
- D.Calcareous rock*

Ans:D

74.Brick lintels are used when the span is:

- A.Less than two meter
- B.Less than three meter
- C.less than one meter*
- D.None of these

Ans:C

75.Mastic asphalt is normally used for

- A.Sound insulation
- B.Water proofing*
- C.Fire proofing
- D.None of these

Ans:B

76.Lime stone comes under the category of

- A.Aqueous rock
- B.Sedimentary rock
- C.Stratified rock
- D.All the above*

Ans:D

77.Plaster of paris is obtained by calcining

- A.Gypsum*
- B.Kankar
- C.Lime stone
- D.None of these

Ans:A

78.The inner curve of an arch is known as:

- A.Spandril
- B.Extrados
- C.Intrados of soffit*
- D.None of the above

Ans:C

79.The frog of a brick is normally made on its

- A.Shorter face
- B.Bottom face
- C.Longer face
- D.Top face*

Ans:D

80.The projected portion of the tread beyond the face of the riser is

A.Newel

B.Scotia

C.Soffit

D.Nosing*

Ans:D

81.Who was the founder of Samalva Samajam?

A.Vagbhatananda

B.Chattampi Swamikal

C.Ayyankali

D.Vaikunda Swamikal*

Ans:D

82.Name of the Arya community leader who wrote 'Jatikkummi against caste evils?

A.Kumaranasan

B.K.P.Vallon

C.Pandit K.P.Karuppan*

D.Velukkutty

Ans:C

83.Which among the following is a major work of Sri Narayana Guru?

A.Daiva Dasakam*

B.Duravastha

C.Atmavidya Kahalam

D.Jeevithakarunya Nirupanam

Ans:A

84.Who was the founder and proprietor of Swadeshabhimani Newspaper?

A.Kumara Guru

B.Ananda Theerthan

C.Vakkom Abdul Khader Moulavi*

D.Ramakrishna Pillai

Ans:C

85.Who called Ayyankali as ‘Pulaya Raja’?

A.Tagore

B.Annie Besant

C.EMS Nambootiripad

D.Mahatma Gandhi*

Ans:D

86.Who won the Dada Saheb Phalke Award for contribution to cinema in 2015?

A.Shashi Kapoor*

B.Gulzar

C.Rishi Kapoor

D.Sanjay Kapoor

Ans:A

87.Who was the chief guest in 2015 Republic Day Celebrations in India?

A.Mahindra Rajapaksha

B.Barak Obama*

C.Viadimir Putin

D.Nawas Sherif

Ans:B

88.Who was the president of Cuba,recently made a visit to Vatican after a long period of time?

A.Fidel Castro

B.Ban Ki Moon

C.Raul Castro*

D.Torrado

Ans:C

89.What was the motto of 2015 National Games held in Keala?

A.Get Set Play*

B.Be Ready Play

C.Set Ready Play

D.Go Get Play

Ans:A

90.2014 World Cup Football Tournament was held in

A.France

B.Argentina

C.Brazil*

D.Germany

Ans:C

91.Gateway of India is located in which of the following cities?

- A.Kolkata
- B.Mumbai*
- C.Delhi
- D.Agra

Ans:B

92.Which of the following is an example of rift valley in India?

- A.Tapti Valley
- B.Soan Valley
- C.Narmada valley*
- D.Kaveri valley

Ans:C

93.Who raised the slogan 'Garibi Hatao'?

- A.Jawaharlal Nehru
- B.Rajiv Gandhi
- C.Lal Bahadur Sastri
- D.Indira Gandhi*

Ans:D

94.In which year NABARD was set up?

- A.1980
- B.1981
- C.1982*
- D.1983

Ans:C

95.Who was the first President of All India Trade Union Congress founded in 1920?

- A.C.R.Das
- B.Jawaharlal Nehru
- C.Motilal Nehru
- D.Lala Lajpat Rai*

Ans:D

96.Who declared ‘Give me blood and I will give you freedom’?

- A.Subhash Chandra Bose*
- B.Lala Hardayal
- C.Bhagath Singh
- D.Bala Gangadhara Tilak

Ans:A

97.Kudi Arasu is the magazine started by whom?

- A.E.V.Ramaswamy Naicker*
- B.Veerasingam
- C.Jyotiba Phule
- D.Subramanya Bharati

Ans:A

98.Kaladi,the birth place of Sankaracharya is located on the banks of which of the following rivers?

- A.Periyar*
- B.Bharatapuzha
- C.Pampa

D.Chaliyar

Ans:A

99.Which of the following is the biggest mountain passes in Kerala?

A.Bodinaykannur

B.Kambam

C.Perambadi

D.Palghat gap*

Ans:D

100.Name the district in which Mullaperiyar Dam located?

A.Pathanamthitta

B.Kottayam

C.Idukki*

D.Ernakulam

Ans:C