

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