

WORK SUPREND,AGRICULTURE

EXAM DATE :09-06-2015

1.RF=200:1 Represents a :

A.Enlarged scale

B.Reduced scale

C.Full size scale

D.Comparative scale

Ans:A

2.The co-efficient of painting for fully paneled window is:

A.2.25

B.2.00

C.1.5

D.1.00

Ans:A

3.The value at the end of the utility period is:

A.Book value

B.Scrap value

C.Salvage value

D.Market value

Ans:B

4.While submitting tender the contractor is to deposit 2 % of estimated cost as:

A.Securing money

B.Profit money

C.Capital money

D.Earnest money

Ans:D

5.All the work executed shall be measured and entered in a permanent record is called:

A.Account book

B.Field book

C.M book

D.Personal book

Ans:C

6.As per is 459-1978 the concrete mix are designed into:

A.4 Grads

B.6 Grads

C.5 Grads

D.7 Grads

Ans:D

7.The unit of R.C.C work is:

A.1 dm³

B.10 dm²

C.10 dm³

D.1 m³

Ans:C

8.One cubic meter of OPC weights:

A.1200 kg

B.1300 kg

C.1440 kg

D.1450 kg

Ans:C

9.Spirit varnish consist of:

A.Spirit and wax

B.Spirit and Shellac

C.Turpentine,spirit and wax

D.Turpentine,spirit and shellac

Ans:B

10.As per IS 456 expansion joint provided for a structure when the length exceeds:

A.40 m

B.45 m

C.50 m

D.55 m

Ans:B

11.As per IS code the ultimate compressive strength is determined at or age of:

A.7 days

B.14 days

C.21 days

D.28 days

Ans:D

12.The shape of idealized stress-strain curve for concrete as prescribed by IS 456-1978 is:

A.Rectangular

B.Parabolic

C.Rectangular parabolic

D.None of these

Ans:B

13.The soundness test of cement by Le-Chatelier apparatus gives unsoundness due to:

A.Magnesia only

B.Combined lime only

C.Free lime only

D.Both Magnesia and combined lime

Ans:C

14.Columns with circular section are provided with transverse reinforcement of-----type only.

A.Helical

B.Circular

C.Spiral

D.Lateral type lines

Ans:A

15.Deflection can be controlled by using the appropriate

A.Aspect ratio

B.Modular ratio

C.Span/depth ratio

D.Water cement ratio

Ans:C

16.The economic spacing of roof truss depends upon the

A.Cost of purlins and cost of roof covering

B.Cost of roof covering and dead load

C.Dead load and live load

D.Live load and cost of purlin

Ans:A

17.Lime mortar is made by:

A.Quick lime

B.Fat lime

C.Hydrolic lime

D.White lime

Ans:C

18.The ultimate tensile strength of the structural mild steel:

A.160 N/mm²

B.260 N/mm²

C.420 N/mm²

D.520 N/mm²

Ans:C

19.The percent of the Alumina in a good brick earth lies between:

A.5-10%

B.20-30%

C.50-60%

D.70-80%

Ans:B

20.The major ingredient of Portland cement are:

A.Lime and Silica

B.Lime and Alumina

C.Silica and Alumina

D.Lime and Iron

Ans:A

21.The common admixture used to accelerate the initial set of concrete is:

A.Gypsum

B.Calcium chloride

C.Bitumen and inert material

D.By product of bitumen

Ans:B

22.The seasoning timber is used to:

A.Soften the timber

B.Harden the timber

C.Straighten the timber

D.Remove sap from timber

Ans:D

23.Plywood is specified:

A.Weight

B.Volume

C.Thickness

D.Number of layers

Ans:C&D

24.The distemper is used to coat:

A.External concrete surface

B.Interior surface not exposed to weather

C.Wood work

D.Compound wall

Ans:B

25.The ratio of different ingredient in M20 mix is:

A.1:4:8

B.1:2:4

C.1:1:5:3

D.1:1:2

Ans:C

26.The fineness modules of fine aggregate is:

A.2.0 to 3.0

B.3.5 to 5.0

C.5.0 to 7.0

D.6.0 to 8.5

Ans:A

27.By passing the irrigation canal over the drainage is known as:

A.Super passage

B.Level crossing

C.Canal drop

D.Aqueduct

Ans:D

28.Of the water fall irrigation has to be lifted it run to fields is:

A.Flow irrigation

B.Perennial irrigation

C.Sprinkler irrigation

D.Lift irrigation

Ans:D

29.Rivers having flow for all the twelve months is:

A.Perennial river

B.Non Perennial river

C.Flashy river

D.Virgin river

Ans:A

30.Impermeable formation like clay which mountain water but not capable of transmitting water:

A.Aquifer

B.Aquicludes

C.Aquifuge

D.Ground water

Ans:B

31.Over irrigation results in:

A.Water logging

B.Wilting

C.Fertility

D.Seepage

Ans:A

32.Delta of crop means:

A.Degree under the crops

B.Crop period

C.Depth of water required by the crop

D.Crop production

Ans:C

33.The extent of land that get irrigated from a water source is:

A.Anicut

B.Ayacut

C.Catchment area

D.Duty

Ans:C

34.Irrigation canals are generally aligned along:

A.Contour line

B.Distributary canal

C.Straight line

D.Valley line

Ans:A

35.This theorem proves that the energy head at any section in a flowing stream will be same:

A.Darcy's Theorem

B.Bernoulli's Theorem

C.Chezy's Theorem

D.Manning's Theorem

Ans:.....

36.Fluid's include:

A.Liquid only

B.Liquid and gas

C.All matter

D.Liquids and semi liquids

Ans:B

37.The intensity of pressure at any point in a fluid at rest ,is the same in all directions is:

A.Bernoulli's theorem

B.Newton's law

C.Pascal's law

D.Archimedes principle

Ans:C

38.The density of a liquid at standard temperature and pressure is defined as:

A.The weight per unit volume

B.Mass per unit volume

C.Force per unit area

D.The specific weight

Ans:B

39.For a liquid the variation in its volume with the variation of pressure is known as:

A.Viscosity

B.The mass density

C.The compressibility

D.Liquid pressure

Ans:C

40.The surface tension of a liquid is its property which enable it to resist:

A.Tensile stress

B.Compressive stress

C.Proof stress

D.None of these

Ans:A

41.The ratio of inertia force to viscous force:

A.Froude's number

B.Ellery's number

C.Reynold's number

D.Kinematic viscosity

Ans:C

42.The phenomenon of rising water in the tube of smaller diameter is called:

A.The water column

B.The gauge reading

C.The capillary rise

D.Pieznometer reading

Ans:C

43.The pilot tube is used for measurement of:

A.Velocity at a point

B.Pressure at a point

C.Energy at point

D.Pressure difference

Ans:A

44.The sheet of liquid flowing over a notch is known as:

A.Nappe

B.Jet

C.Vena Contracta

D.Strip of water

Ans:A

45.The path followed by a fluid particle in motion is called:

A.Path line

B.Stream line

C.Streak line

D.Filament line

Ans:A

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

A.Alignment

B.Super elevation

C.Gradient

D.Length of summit

Ans:C

47.The major structural component of a road composed of stone aggregate is:

A.The sub-grade

B.The base course

C.The surfacing

D.Wearing surface

Ans:A

48.The thickness of road surface depends upon:

A.Type of traffic

B.Intensity of traffic

C.Type of material

D.All of these

Ans:A

49.Which structure is recommended to prevent the cut hill from sliding when hill roads are in cutting?

A.Returning wall

B.Curtain wall

C.Breast wall

D.Wing wall

Ans:C

50.The convexity provided to the cross section of the surface of carriage way is termed as:

A.Gradient

B.Super elevation

C.Camber

D.Curvature

Ans:C

51.The road connecting district head quarters of a state is:

A.Bypass road

B.District road

C.State highway

D.National highway

Ans:B

52.The rate of rise or fall of a road along its alignment is:

A.Camber

B.Gradient

C.Super elevation

D.Curvature

Ans:B

53.For computing the quantity of earth work using prismoidal formula the number of required sectional area:

A.Any number

B.Even

C.Odd

D.Four

Ans:B

54.If the perimeter of a circular ground is 31.416m then the area of the ground is:

A.783.4m²

B.78540 m²

C.78.54 m²

D.7.859 m²

Ans:C

55.The eccentricity of parabola will be:

A.Less than one

B.Equal to one

C.Greater than one

D.Zero

Ans:B

56.The point on which both back sight and fore sight are taken:

A.Change point

B.Bench mark

C.Station

D.Intermediate point

Ans:A

57.The instrument used to reproduce plan in a different scale is called:

A.Planimeter

B.Clinometer

C.Ghat tracer

D.Pentagraph

Ans:D

58.The weight per meter of 10 mm dia bar is:

A.0.62 kg

B.0.89 kg

C.0.22 kg

D.0.39 kg

Ans:A

59.The volume of one bag of cement weight 50 kg is:

A.0.04 m³

B.0.025 m³

C.0.0345 m³

D.0.05 m³

Ans:C

60.The concrete pile with one or more enlarged bulb on its stem is called:

A.Frank pile

B.Simplex pile

C.Under reamed pile

D.Vibro pile

Ans:C

61.The end support of a bridge is called:

A.Abutment

B.Wing wall

C.Foundation

D.Pier

Ans:A

62.Margin between water level and top of dam is called:

A.Free board

B.Span

C.Afflux

D.Rise

Ans:A

63.The first stage in water treatment is:

A.Purification

B.Filtration

C.Sedimentation

D.Disinfection

Ans:C

64.The force of friction is always:

A.Opposes motion

B.Producer motion

C.Slops

D.Producer acceleration

Ans:A

65.The value of broad gauge adopted in Indian railway:

A.1.0 M

B.0.762 M

C.0.6696 M

D.1.676 M

Ans:D

66.One yard is equal to:

A.0.8144 M

B.0.9244 M

C.0.9144 M

D.0.9344 M

Ans:C

67.The under surface of an arch is called:

A.Skew back

B.Haunch

C.Intradose

D.Spandrin

Ans:C

68.Side of a square equal in area of circle having diameter 2 cm is:

A. $\sqrt{\pi}/4$ cm

B.. $\sqrt{\pi}$ cm

C.2 . $\sqrt{\pi}$ cm

D . π cm

Ans:D

69.Ornamental moulded course placed on the top of the wall is:

A.Cornice

B.Corbel

C.Coping

D.Lintel

Ans:A

70.Maximum permissible FAR for Residential building shall be

A.3

B.1.5

C.2

D.2.5

Ans:A

71.The curve-----is commonly used in teeth profile of helical gears,profile of cams etc.

A.Spiral

B.Helix

C.Involutes

D.Cycloid

Ans:C

72.The standard size length to width ratio for all arrow heads in drawing is:

A.2:1

B.4:1

C.3:1

D.2:4

Ans:C

73.In a whole circle bearing system,S 25° 15" E corresponds to:

A.115°15'

B.154°45'

C.205°15'

D.334°45'

Ans:B

74.The image formed by the objective in the plate of cross hairs is:

A.Real and Straight

B.Real and Inverted

C.Contour interval

D.Contour gradient

Ans:B

75.The main principal of surveying is to:

A.Work from left to right

B.Work from right to left

C.Work from whole to the part

D.Work from part to the whole

Ans:C

76.The plan and elevation of a line segment are seen coincides,the line is situated in the:

A.First quadrant

B.Second quadrant

C.Third quadrant

D.Quadrental axis

Ans:D

77.The inner details of an object ,not visible from outside are represented by:

A.Dashed line

B.Dot and dashed line

C.Chain line

D.Zig –zag line

Ans:A

78.A four sided figure having two pairs of sides parallel is called:

A.Rhomboid

B.Regular polygon

C.Pentagon

D.Trapezoid

Ans:A

79.The center of the super scribed circle is called:

A.In center

B.Circum center

C.Center of curvature

D.Center of vision

Ans:B

80.-----is used to read up to three dimensions.

A.Plain scale

B.Diagonal scale

C.Offset rod

D.Ranging rod

Ans:B

81.'Swaraj is my birthright,and I shall have it'Who declared this words?

A.Gokhale

B.Tilak

C.Bhagat Singh

D.L.L.Rai

Ans:B

82.When the 'Internal Emergency'declared by Indira Gandhi?

A.28 May 1975

B.28 June 1975

C.26 May 1975

D.26 June 1975

Ans:D

83.Middle Path(Ashtangamarga)related to:

A.Jainism

B.Hinduism

C.Buddhism

D.Sikhism

Ans:C

84.Karthika Thirunal Ramavarma,popularly known as:

A.Dharma Raja

B.marthanda Varma

C.Swathi Tirunal

D.Raja Kesavadas

Ans:A

85.'Theyyam' is the art form originated in:

A.Kasaragod

B.Kannur

C.Kozhikode

D.Pathanamthitta

Ans:B

86.The oldest mountain range of India:

A.Himalaya

B.Western Ghats

C.Eastern Ghats

D.Aravali

Ans:D

87.Where is the head quarter of Reserve Bank India?

A.Kolkatta

B.Delhi

C.Mumbai

D.Chennai

Ans:C

88.National Voters Day is observed on:

A.12th Jan

B.24th Jan

C.30th Jan

D.25th Jan

Ans:D

89.Which acid is present in tomato?

A.Oxalic

B.Sitric

C.Tartaric

D.Latric

Ans:A

90.The book 'Aarachaar' authored by:

A.Subash Chandran

B.Ashita

C.Benyamin

D.K.R.Meera

Ans:D

91.The fundamental rights are enshrined in part:

A.III

B.II

C.IV

D.I

Ans:A

92.Battle of Buxar fought in:

A.1857

B.1757

C.1764

D.1767

Ans:C

93.Silver Revolution related to:

A.Edible oil

B.Fish

C.Milk

D.Egg and Poultry

Ans:D

94.Who founded the 'Samathva Samajam':

A.Vagbhatananda

B.Vaikunda Swamikal

C.Sree Narayana Guru

D.Chattampi Swamikal

Ans:B

95.Vijay Hazare Trophy related to which sports?

A.Football

B.Badminton

C.Cricket

D.Hockey

Ans:C

96.The first Vice chairman of NITI Aayog:

A.Ajith Doval

B.Aravind Panagariya

C.Ashok Lahiri

D.Y.V.Reddy

Ans:B

97.The prathyaksha Raksh Daiva Sabha(PRDS)was founded by:

A.Poikayil Yohannan (Sree Kumara Guru)

B.Karunakara Guru

C.Pandit Karuppan

D.Thycaud Ayya

Ans:A

98.Who was the 14th Prime Minister of India?

A.Narendra Modi

B.Narasimha Rao

C.I.K.Gujral

D.Manmohan Singh

Ans:D

99.'The father of political movement'in modern Travancore was:

A.T.K.Madhavan

B.E.J.John

C.G.P.Pillai

D.C.Kesavan

Ans:C

100.Which of the following rivers crosses the Equator twice?

A.Amazon

B.Tigris

C.Nile

D.Congo

Ans:D