

TRADESMAN-CIVIL,TECHNICAL EDUCATION

EXAM DATE:12-02-2016

1.The mix corresponding to M20 grade concrete is:

A.1:5:10

B.1:1 1/2 :3\*

C.1:2:4

D.1:1:2

Ans:B

2.The thin radial fibres extending from pith to cambium is

A.Sapwood

B.Bark

C.Medullary rays\*

D.Heartwood

Ans:C

3.The defect in timber due to abnormal growth:

A.Knots

B.Rind galls\*

C.Shakes

D.Druxiness

Ans:B

4.Which one is not a defect due to seasoning?

A.Dry rot\*

B.Bow

C.Case hardening

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D.Cup

Ans:A

5.Thin sheets of wood of superior quality are called:

A.Ledges

B.Veneers\*

C.Batten

D.Log

Ans:B

6.As per IS code,size of concrete cube for compression test is:

A.5 cm

B.10 cm

C.15 cm\*

D.25 cm

Ans:C

7.The process by which limestone is heated to redness to form lime is called

A.Hydraulicity

B.Slaking

C.Setting

D.Calcination\*

Ans:D

8.Which one is a solvent used in paint?

A.White lead

B.Linseed oil

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C.Graphite

D.Turpentine\*

Ans:D

9.The process of Preventing loss of moisture from concrete:

A.Bulking

B.Curing\*

C.Bleeding

D.Guniting

Ans:B

10.The basic value of span to effective depth ratio for span upto 10m for Cantilever beam is:

A.10

B.20\*

C.7

D.26

Ans:B

11.I.S.Code of practice for plain and reinforced concrete:

A.IS.962-1989

B.IS.800-1984

C.IS.456-2000\*

D.L.S.458-2003

Ans:C

12.The layout of existing and proposed water supply,electricity,drainage lines are given in:

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- A.Site plan
- B.Service plan\*
- C.Building plan
- D.Key plan

Ans:B

13.Maximum permissible coverage for a assembly building is

- A.65
- B.40\*
- C.35
- D.30

Ans:B

14.The difference between the forebearing and backbearing of a line is:

- A. $180^{\circ}$ \*
- B. $270^{\circ}$
- C. $360^{\circ}$
- D. $0^{\circ}$

Ans:A

15.The horizontal angle between the magnetic meridian and geographical meridian is called

- A.Azimuth
- B.Declination\*
- C.Latitude
- D.Dip

Ans:B

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16.The apparent movement of the image relative to the cross hairs is called

A.Foresight

B.Parallax\*

C.Tilting

D.Refraction

Ans:B

17.The length of revenue chain:

A.29 m

B.100 ft

C.33 ft\*

D.66 ft

Ans:C

18.It is difficult to replot the map on a different scale in-----survey

A.Compass

B.Chain

C.Theodolite

D.Plain Table\*

Ans:D

19.The principle of chain survey is:

A.Triangulation\*

B.Whole to part

C.Fixing up of points

D.Traversing

Ans:A

20.Which one is not an ablution fitting?

A.Wash basin

B.Sink

C.Bath tub

D.Trap\*

Ans:D

21.-----prevents the entry of sewer gases from the public sewer line into the house drain:

A.Floor trap

B.Gully trap

C.Intercepting trap\*

D.None

Ans:C

22.-----is a type of riveted joint.

A.Scarfed joint\*

B.Single cover butt joint

C.Tabled joint

D.Double tenon joint

Ans:A

23.Brickwork is measured in:

A.Cu.m\*

B.Sq.m

C.dm

D.10 Sq.m

Ans:A

24.Size of A2 drawing sheet in mm is.

A.420 x 594\*

B.841 x1189

C.594 x 841

D.210 x 297

Ans:A

25.Hatching or section lines are generally drawn at an angle of:

A.30°

B.60°

C.90°

D.45°\*

Ans:D

26.The eccentricity of an ellipse is:

A.Equal to 1

B.Greater than 1

C.Less than 1\*

D.Zero

Ans:C

27.A road provided around congested area is called:

A.By-pass road

B.Ring road\*

C.Trunk road

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D. Loop road

Ans: B

28. The convexity provided to the surface of carriage way:

A. Kerb

B. Camber\*

C. Gradient

D. Super elevation

Ans: B

29. The width of a broad gauge railway track:

A. 1.676m\*

B. 1m

C. 0.762 m

D. 1.483 m

Ans: A

30. A system of tracks at a station used for storing, sorting and dispatching vehicle

A. Station

B. Signals

C. Yard\*

D. Crossing

Ans: C

31. Semaphore signals are also called as:

A. Warner signals

B. Ground signals

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C.Routing signals

D.Stop signals\*

Ans:D

32.The flooring of bridge is supported on the top of supports in:

A.Deck bridge\*

B.Through bridge

C.Slab bridge

D.Semi through bridge

Ans:A

33.Seismic load is checked for -----resistance.

A.Dead weight

B.Wind

C.Snow

D.Earth quake\*

Ans:D

34.EDM Stands for:

A.Esay Direct Measurement

B.Electronic Direct Measurement

C.Electronic Distance Measurement\*

D.Electronic Direct Management

Ans:C

35.The size of letter is described by its:

A.Height\*

B.Length

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C.Breadth

D.Thickness

Ans:A

36.An example for Kharif crop is:

A.Wheat

B.Rice\*

C.Barley

D.Gram

Ans:B

37.Cross drainage work provided when the bed level of canal is higher than the HFL of drainage:

A.Aqueduct\*

B.Weir

C.Level crossing

D.Super passage

Ans:A

38.Building drawings are prepared in:

A.Full scale

B.Enlarged scale

C.Plain scale

D.Reduced scale\*

Ans:D

39.All type of house waste and garbage in dry form is called:

A.Sewage

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B.Sullage

C.Drainage

D.Refuse\*

Ans:D

40.The distance between the surfaces of bars and concrete is called:

A.Slump

B.Lap

C.Cover\*

D.Rebate

Ans:C

41.The Logitudinal movement of rails in a track is:

A.Cant

B.Creep\*

C.Coning

D.Packing

Ans:B

42.The watering applied to the land before sewing of a crop is called:

A.Paleo\*

B.Kor watering

C.Duty

D.Delta

Ans:A

43.Delta is measured in:

A.Hectares/cumecs

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B.Cumees

C.Days

D.Metre\*

Ans:D

44.A large artificial lake created by constructing a dam across a river is called a:

A.Canal

B.Pond

C.Reservoir\*

D.Still pocket

Ans:C

45.The process of cutting stones into suitable sizes and surfaces after quarrying is called:

A.Dressing\*

B.Seasoning

C.Curing

D.Finishing

Ans:A

46.A cut made inside a frame to receive the shutter is known as:

A.Reveal

B.Sash

C.Jamb

D.Rebate\*

Ans:D

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47.The triangular space formed in an arch between the extrados and crown is termed as:

- A.Soffit
- B.Spandrill
- C.Haunch\*
- D.Skewback

Ans:C

48.In-----arch,the depth at crown is more than that at the springing line.

- A.Venetian\*
- B.Florentine
- C.Horse shoe
- D.Stilted

Ans:A

49.Which one of the following is not a one centred arch?

- A.Bull's eye
- B.Segmental
- C.Pointed\*
- D.Stilted

Ans:C

50.The wedge shaped units forming the courses of an arch:

- A.Winder
- B.Springer
- C.Crown

D.Voussoirs\*

Ans:D

51.The window which project outside the external wall is a:

A.Dormer window

B.Skylight

C.Bay window\*

D.Lanterns

Ans:C

52.The edge of a gable running between the eaves and ridge is known as:

A.Valley

B.Verge\*

C.Gutter

D.Hip

Ans:B

53.The triangular upper part of a wall formed at the end of pitched roof is a:

A.Gable\*

B.Valley

C.Quoin

D.Truss

Ans:A

54.Small blocks of wood which are fixed on the truss to prevent sliding of purlins is:

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A.Batten

B.Template

C.Ridge

D.Cleat\*

Ans:D

55.Total length of stair in a horizontal plane is called:

A.Run\*

B.Pitch

C.Width

D.Landing

Ans:A

56.An ordinary step of rectangular shape in plan is a:

A.Winder

B.Flier\*

C.Bull nose step

D.Commode step

Ans:B

57.The projection of tread beyond the riser is:

A.Scotia

B.Flier

C.String

D.Nosing\*

Ans:D

58.A sloping surface adapted as a substituted for stair:

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- A.Ladder
- B.Winders
- C.Ramp\*
- D.Escalator

Ans:C

59.A Quarter turn stair branched into two flights at a landing is a:

- A.Spiral stair
- B.Bifurcated stair\*
- C.Half turn stair
- D.Dog legged stair

Ans:B

60.Pile suitable for black cotton soil:

- A.Raymond pile
- B.Monotube pile
- C.Under reamed pile\*
- D.Vibro pile

Ans:C

61.Bond with alternate courses of stretchers and headers:

- A.English bond\*
- B.Flemish bond
- C.Facing bond
- D.Monk bond

Ans:A

62.External corners or angles of a wall:

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A.Junctions

B.Facing

C.Quoins\*

D.Corbel

Ans:C

63.Sides of openings such as doors, windows:

A.Reveal

B.Rebate

C.Jamb\*

D.Head

Ans:C

64.The process of strengthening and existing foundation is:

A.Shoring

B.Underpinning\*

C.Scaffolding

D.Centering

Ans:B

65.The running of concrete through form work is termed as:

A.Bleeding\*

B.Laitance

C.Segregation

D.Creep

Ans:A

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66.A horizontal projection including a handrail to serve as a passage or sitting out place:

- A.Courtyard
- B.Balcony\*
- C.Porch
- D.Corridor

Ans:B

67.Chain thin lines are used to denote:

- A.Centre lines\*
- B.Visible outlines
- C.Long break
- D.Hidden outlines

Ans:A

68.A small room provided adjacent to dining room for keeping cooked food is called a:

- A.Lobby
- B.Box room
- C.Pantry\*
- D.Work area

Ans:C

69.Building used a shops,store,market etc.included in the group.

- A.Mercantile\*
- B.Business
- C.Assembly

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D.Industrial

Ans:A

70.F.A.R is obtained by dividing total covered area of all floors by the:

A.Carpet area

B.Plinth area

C.Built up area

D.Plot area\*

Ans:D

71.Corundum is an example of -----material.

A.Adhesive

B.Binding

C.Reinforcing

D.Abrasive\*

Ans:D

72.Which one is not a lubricant?

A.Graphite

B.Mica\*

C.Talc

D.Varnish

Ans:B

73.Marble is an example of -----rocks.

A.Igneous

B.Calcareous\*

C.Argillaceous

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D.Silicious

Ans:B

74.Substances that are able to resist high temperature are called:

A.Refractories\*

B.Encaustic tiles

C.Terracotta

D.Porcelain

Ans:A

75.The lime commonly used in whitewashing is:

A.Hydraulic lime

B.Fat lime\*

C.Poor lime

D.Slaked lime

Ans:B

76.Volcanic ash containing about 80% clay is known as:

A.Surkhi

B.Slag

C.Fly ash

D.Pozzolana\*

Ans:D

77.----increase the initial setting time of cement.

A.Lime

B.Silica

C.Gypsum\*

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D.Alumina

Ans:C

78.Vicat apparatus is used to test -----of cement

A.Fineness

B.Compressive strength

C.Consistency\*

D.Soundness

Ans:C

79.The process of adding cement to lime mortar to improve its quality is called:

A.Guniting

B.Bulking

C.Slaking

D.Gauging\*

Ans:D

80.Which is -----not a method of proportioning concrete?

A.Arbitrary method

B.Fineness modulus method

C.Working stress method\*

D.Minimum Voids method

Ans:C

81.Mahatma Gandhi suspended Non-Cooperation Movement in the year:

A.1922\*

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B.1921

C.1923

D.1920

Ans:A

**82.The Government of India has replaced Planning Commission with a new institution named:**

A.NITI Aayog\*

B.Bharatiya Aasutran Aayog

C.National Development and Planning Council

D.ICDP

Ans:A

**83.When was the Council of States named as Rajya Sabha in Hindi?**

A.3<sup>rd</sup> April 1952

B.26<sup>th</sup> January 1950

C.15<sup>th</sup> August 1950

D.23<sup>rd</sup> August 1954\*

Ans:D

**84.Which among the following guarantees 100 days of wage employment in a financial year to a rural household whose adult members volunteer to do unskilled manual work?**

A.NOAPS

B.NFBS

C.MGNREGA\*

D.IRDP

Ans:C

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85.The southernmost tip of India the Indira point is situated on:

- A.Lakshadweep
- B.Great Nicobar Island\*
- C.Willingdon Island
- D.Rameswaram Island

Ans:B

86.Who is the winner of men's singles final Wimbledon 2015?

- A.Andy Murray
- B.Rafael Nadal
- C.Roger Federer
- D.Novak Djokovic\*

Ans:D

87.Ajanta Caves which is included in UNESCO World Heritage List is located in the state of:

- A.Madhya Pradesh
- B.Maharashtra\*
- C.Rajasthan
- D.Uttar Pradesh

Ans:B

88.Name the Prime Minister of India when India conducted its second nuclear test May 1988:

- A.A.B.Vajpayee\*
- B.I.K.Gujral
- C.Indira Gandhi

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D.P.V.Narasimha Rao

Ans:A

89.The oldest functioning Jewish synagogue in India is:

A.Magen Hassidim Synagogue(Mumbai)

B.Magen David Synagogue(Kolkata)

C.Paradesi Synagogue(Mattancheri)\*

D.Ohel David Synagogue(Pune)

Ans:C

90.Which among the following is not a work of Chattampi Swamikal?

A.Dharsanamala\*

B.Pracheena Malayalam

C.Advaitha Chinthapaddhtathi

D.Vedadikara Niroopanam

Ans:A

91.The organization Samatva Samajam was founded by:

A.Swami Vagbhatananda

B.Brahmananda Swami Sivayogi

C.Pandit karuppan

D.Vaikunta Swami\*

Ans:D

92.Who owned the newspaper Swadeshabimani?

A.Ramakrishna Pillai

B.Vakkom Moulavi\*

C.Thycaud Ayya

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D.K.Kelappan

Ans:B

**93.Ramon Magasaysay Award are named after Ramon Magasaysay who was:**

A.The former President of Malaysia

B.An eminent scientist of Malaysia

C.The former President of Philippines\*

D.An eminent scientist of Philippines

Ans:C

**94.Which among the following rivers originates in Anaimalai?**

A.Bharatapuzha\*

B.Pampa

C.Chaliyar

D.Periyar

Ans:A

**95.The famous speech Tryst with destiny was made by:**

A.Mahatma Gandhi

B.Subash Chandra Bose

C.Jawaharlal Nehru\*

D.Swami Vivekananda

Ans:C

**96.Who became the first women President of Indian National Congress?**

A.Sarojini Naidu

B.Annie Besant\*

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C.Vijayalakshmi Pandit

D.Indira Gandhi

Ans:B

**97.Name the social reformer who founded Prathyaksha Raksha Daiva Saba:**

A.Vagbhatananda

B.Kumara Guru

C.Ayyankali

D.Poikayil Yohannan\*

Ans:D

**98.The day proclaimed by United Nations as International Yoga day is:**

A.22 July

B.21 June\*

C.15 June

D.16 July

Ans:B

**99.Who is the author of Jati Mimamsa?**

A.Kumaranasan

B.Kumara Guru

C.Vallathol

D.Sri Narayana Guru\*

Ans:D

**100.Who won the 62<sup>nd</sup> national award for best actress?**

A.Shabana Azmi

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B.Tabu

C.Kangana Ranaut\*

D.Vidya Balan

Ans:C

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