

# PROVISIONAL ANSWER KEY

Question Paper Code:	32/2015/OL
Category Code:	453/2014
Exam:	Draftsman Gr III-Civil/Tracer
Medium of Question:	English
Date of Test	07-12-2015
Alphacode	A

Question1:-According to 2011 Census the sex ratio is highest in

- A:-Punjab
- B:-Tamil Nadu
- C:-Kerala
- D:-Manipur

Correct Answer:- Option-C

Question2:-The latitude passing through the centre of India

- A:-Equator
- B:-Tropic of Cancer
- C:-Tropic of Capricorn
- D:-None of these

Correct Answer:- Option-B

Question3:-Sri Lanka is separated from India by

- A:-Palk Strait
- B:-Indian Ocean
- C:-Arabian Sea
- D:-Bay of Bengal

Correct Answer:- Option-A

Question4:-The shape of the Deccan Plateau

- A:-Triangular
- B:-Rectangular
- C:-Square
- D:-Hexagonal

Correct Answer:- Option-A

Question5:-Keoladeo Ghana National Park situated in Rajasthan is also known as

- A:-Sultanpur Bird Sanctuary
- B:-Bhagalpur Bird Sanctuary
- C:-Ranganthittu
- D:-Vedanthangal

Correct Answer:- Option-B

Question6:-The First War of Indian Independence took place in

- A:-1757
- B:-1857
- C:-1885
- D:-1905

Correct Answer:- Option-B

Question7:-The Viceroy of India at the time of Dandi March

- A:-Lord Rippon
- B:-Lord Linlithgow
- C:-Lord Irwin
- D:-Lord Dalhousie

Correct Answer:- Option-C

Question8:-The first English President of Indian National Congress

- A:-A.O. Hume
- B:-Annie Besant
- C:-Robert Clive
- D:-George Yule

Correct Answer:- Option-D

Question9:-The year in which Subhash Chandra Bose assumed the office of the President of Indian National Congress?

- A:-1924

B:-1932

C:-1936

D:-1938

Correct Answer:- Option-D

Question10:-An East flowing river of Kerala

A:-Bhavani

B:-Bharatapuzha

C:-Pampa

D:-Chaliyar

Correct Answer:- Option-A

Question11:-Name the first Polio free district in India which is located in Kerala

A:-Pathanamthitta

B:-Kottayam

C:-Alapuzha

D:-Trissur

Correct Answer:- Option-A

Question12:-Vedadikara Nirupanam is the famous work of

A:-Vagbhadananda

B:-Sree Narayana Guru

C:-Ayyankali

D:-Chattampi Swamikal

Correct Answer:- Option-D

Question13:-Sadhu Jana Paripalana Sangham was organized by

A:-Pandit Karuppan

B:-Sree Narayana Guru

C:-Aiya Vaikundar

D:-Ayyankali

Correct Answer:- Option-D

Question14:-The brain behind the Ezhava Memorial

A:-Dr. Palpu

B:-Kumaran Asan

C:-C. Keasavan

D:-Sree Narayana Guru

Correct Answer:- Option-A

Question15:-Samadhi Sappthakam, a condolence poem on the death of Chattampi Swamikal was written by

A:-K. Kelappan

B:-Pandit Karuppan

C:-Sree Narayana Guru

D:-Kumaran Asan

Correct Answer:- Option-B

Question16:-Savarna Jadha is associated with

A:-Paliyam Satyagraha

B:-Shanar Agitation

C:-Guruvayur Satyagraha

D:-Vaikom Satyagraha

Correct Answer:- Option-D

Question17:-Who among the following is the recipient of J.c. Daniel Award in 2015?

A:-Adoor Gopalakrishnan

B:-Sasi Kumar

C:-I.V. Sasi

D:-Jose Prakash

Correct Answer:- Option-C

Question18:-Jasmine Revolution of 2011 took place in

A:-Egypt

B:-Tunisia

C:-China

D:-Singapore

Correct Answer:- Option-B

Question19:-The first Asian to receive the Hoover Medal

A:-N.R. Narayana Murthy

B:-Joseph J. Jacob

C:-A.P.J. Abdul Kalam

D:-Peter C. Goldmark

Correct Answer:- Option-C

Question20:-Mitra Shakti the joint training exercise is between India and

A:-Myanmar

B:-Bangladesh

C:-Sri Lanka

D:-Nepal

Correct Answer:- Option-C

Question21:-The inclination of a stair to the horizontal should be limited to \_\_\_\_\_.

A:-90° to 120°

B:-60° to 90°

C:-30° to 45°

D:-40° to 60°

Correct Answer:- Option-C

Question22:-For ranging a line, the number of ranging rods required is \_\_\_\_\_.

A:-at least six

B:-at least three

C:-at least four

D:-at least two

Correct Answer:- Option-B

Question23:-The true meridian passes through \_\_\_\_\_.

A:-Magnetic poles

B:-Arbitrary poles

C:-Line of collimation

D:-Geographical poles

Correct Answer:- Option-D

Question24:-The chord of a circle is \_\_\_\_\_.

A:-A straight line joining the end of an arc

B:-A part of diameter

C:-Circle contained by two radius

D:-A straight line touches a circle in one point

Correct Answer:- Option-A

Question25:-A four side figure in which all the sides equal but the angles are not the right angles

A:-Square

B:-Trapezium

C:-Rectangle

D:-Rhombus

Correct Answer:- Option-D

Question26:-The 30 m chain is divided into \_\_\_\_\_ links.

A:-20

B:-150

C:-100

D:-30

Correct Answer:- Option-B

Question27:-\_\_\_\_\_ is an error in compass survey.

A:-Traverse

B:-Centering

C:-Station marking

D:-Local attraction

Correct Answer:- Option-D

Question28:-Compass box is made of \_\_\_\_\_.

A:-Wood

B:-Brass

C:-Iron

D:-None of these

Correct Answer:- Option-B

Question29:-Scale of chords is used to \_\_\_\_\_.

- A:-Measuring angles
  - B:-Measuring chord length
  - C:-Measuring diameter
  - D:-Measuring radius
- Correct Answer:- Option-A

Question30:-10 inch is \_\_\_\_\_ cm.

- A:-100
- B:-35.4
- C:-25.4
- D:-2.54

Correct Answer:- Option-C

Question31:-Scale 2 cm = 1.0 m, R.F. is \_\_\_\_\_.

- A:-1 : 2
- B:-1 : 5
- C:-1 : 50
- D:-50 : 1

Correct Answer:- Option-C

Question32:-Concrete work is measured in \_\_\_\_\_ unit.

- A:-Sq. metre
- B:-Running metre
- C:-Cu. metre
- D:-None of these

Correct Answer:- Option-C

Question33:-Delta of a crop means

- A:-Crop period
- B:-Area under the crop
- C:-Crop delta
- D:-Depth of water required by the crop

Correct Answer:- Option-D

Question34:-The strength of concrete is directly proportional to \_\_\_\_\_.

- A:-Water cement ratio
- B:-Water aggregate ratio
- C:-Sand cement ratio
- D:-All the above

Correct Answer:- Option-A

Question35:-A G.I. pipe has a coating of \_\_\_\_\_.

- A:-Iron
- B:-Zinc
- C:-Carbon
- D:-Copper

Correct Answer:- Option-B

Question36:-The standard length of a rail for broad gauge is \_\_\_\_\_ metre.

- A:-1.64
- B:-13
- C:-1.00
- D:-1.5

Correct Answer:- Option-B

Question37:-When brick is cut into two halves longitudinally, one part is called \_\_\_\_\_.

- A:-Half bat
- B:-King closer
- C:-Queen closer
- D:-None of these

Correct Answer:- Option-C

Question38:-The upper horizontal member of the door frame is called

- A:-Sill
- B:-Head
- C:-Crown
- D:-Frame

Correct Answer:- Option-B

Question39:-In surveying the measurements are taken in \_\_\_\_\_ plane.

- A:-vertical
- B:-horizontal
- C:-inclined
- D:-all the above

Correct Answer:- Option-A

Question40:-The curvature of earth is considered in \_\_\_\_\_ surveying.

- A:-Plane
- B:-Geodesic
- C:-Ariel
- D:-Hydrographic

Correct Answer:- Option-B

Question41:-A solvent commonly used for oil paints is \_\_\_\_\_.

- A:-Diesel
- B:-Kerosene
- C:-Turpentine
- D:-Petrol

Correct Answer:- Option-C

Question42:-In the manufacturing of cement, burning process done by \_\_\_\_\_.

- A:-Hoffman's kiln
- B:-Bull's kiln
- C:-Tunnel kiln
- D:-Rotary kiln

Correct Answer:- Option-D

Question43:-Soundness test of cement is done by

- A:-Le-Chatelier apparatus
- B:-Slump test
- C:-Vicat's apparatus
- D:-Compressive machine

Correct Answer:- Option-A

Question44:-The portion of a road used by vehicular traffic is

- A:-Motor way
- B:-Express way
- C:-Carriage way
- D:-Foot path

Correct Answer:- Option-C

Question45:-The rocks are formed by molten magma is called

- A:-Igneous rocks
- B:-Sedimentary rocks
- C:-Metamorphic rocks
- D:-None of these

Correct Answer:- Option-A

Question46:-Trimmed size of "A<sub>2</sub>" drawing sheet is

- A:-841 × 1189
- B:-420 × 594
- C:-594 × 841
- D:-None of these

Correct Answer:- Option-B

Question47:-One kilogram is equal to \_\_\_\_\_ Pounds.

- A:-22.05
- B:-0.2205
- C:-220.5
- D:-2.205

Correct Answer:- Option-D

Question48:-The graduations in a prismatic compass is \_\_\_\_\_.

- A:-have a zero at south
- B:-inverted
- C:-from 0° to 360°

D:-all the above

Correct Answer:- Option-D

Question49:-The principle of compass survey is

A:-Triangulation

B:-Traversing

C:-Parallelism

D:-None of the above

Correct Answer:- Option-B

Question50:-The datum adopted for India is

A:-MSL at Mumbai

B:-MSL at Chennai

C:-MSL at Karachi

D:-None of these

Correct Answer:- Option-C

Question51:-In which bond alternate courses consists of headers and stretchers?

A:-English Bond

B:-Flemish Bond

C:-Header Bond

D:-Stretcher Bond

Correct Answer:- Option-A

Question52:-In ashlar fine masonry the joint thickness is does not exceed \_\_\_\_\_.

A:-10 mm

B:-3 mm

C:-8 mm

D:-6 mm

Correct Answer:- Option-B

Question53:-Diagonal scale is measured to \_\_\_\_\_ unit.

A:-three consecutive

B:-one

C:-two

D:-none of the above

Correct Answer:- Option-A

Question54:-`M\_{10}` grade of concrete stands for \_\_\_\_\_.

A:-1 : 2 : 4

B:-1 : 4 : 8

C:-1 : 1 : 2

D:-1 : 3 : 6

Correct Answer:- Option-D

Question55:-Concrete for road construction recommended slump is \_\_\_\_\_.

A:-40 to 50

B:-80 to 100

C:-60 to 80

D:-20 to 40

Correct Answer:- Option-D

Question56:-The inclined or splayed surface of the abutment of an arch is called

A:-Skew back

B:-Crown

C:-Springing line

D:-Extrados

Correct Answer:- Option-A

Question57:-The wedge-shaped units forming the courses of an arch is \_\_\_\_\_.

A:-Crown

B:-Key

C:-Voussoirs

D:-Rise

Correct Answer:- Option-C

Question58:-The horizontal projection of head or sill beyond the face of the frame of door or window is \_\_\_\_\_.

A:-Sash

B:-Mullion

- C:-Horn
- D:-Louver

Correct Answer:- Option-C

Question59:-The triangular upper part of a wall formed at the end of a pitched roof is called

- A:-Eaves
- B:-Gable
- C:-Hip
- D:-Jack

Correct Answer:- Option-B

Question60:-The small blocks of wood which are fixed on the trusses to prevent the sliding of purlins is called

- A:-Cleats
- B:-Battens
- C:-Pitch
- D:-Hip

Correct Answer:- Option-A

Question61:-The outer line of an objects are drawn using \_\_\_\_\_ pencil.

- A:-HB
- B:-H
- C:-2H
- D:-3H

Correct Answer:- Option-B

Question62:-\_\_\_\_\_ line shows the edges of the section plane in geometrical drawing.

- A:-Long break
- B:-Short break
- C:-Cutting plane
- D:-Hidden

Correct Answer:- Option-C

Question63:-\_\_\_\_\_ vernier is provided in abney level.

- A:-Direct
- B:-Retrograde
- C:-Double
- D:-Extended

Correct Answer:- Option-D

Question64:-The length of standard 45° set square is \_\_\_\_\_.

- A:-20 cm
- B:-25 cm
- C:-30 cm
- D:-35 cm

Correct Answer:- Option-A

Question65:-The size of numerals used for writing tolerance is \_\_\_\_\_ mm.

- A:-3.5
- B:-4.5
- C:-5.5
- D:-6.5

Correct Answer:- Option-A

Question66:-\_\_\_\_\_ dimensioning system is used in engineering drawing.

- A:-Aligned
- B:-Unidirectional
- C:-Notation system
- D:-Conventional system

Correct Answer:- Option-A

Question67:-The eccentricity of a hyperbola is \_\_\_\_\_.

- A:-<1
- B:-1
- C:->1
- D:-2/3

Correct Answer:- Option-C

Question68:-Each deflection angle of pentagon = \_\_\_\_\_.

- A:-60°

- B:-72°
- C:-108°
- D:-120°

Correct Answer:- Option-B

Question69:-Sand stone is a \_\_\_\_\_ rock.

- A:-volcanic
- B:-igneous
- C:-metamorphic
- D:-sedimentary

Correct Answer:- Option-D

Question70:-\_\_\_\_\_ is a mineral.

- A:-quartzite
- B:-laterite
- C:-granite
- D:-calcite

Correct Answer:- Option-A

Question71:-The average weight of a brick is \_\_\_\_\_.

- A:-1.5 to 2 kg
- B:-2 to 2.5 kg
- C:-2.5 to 3 kg
- D:-3 to 3.5 kg

Correct Answer:- Option-D

Question72:-The hardness of stone used for road work should be greater than \_\_\_\_\_.

- A:-10
- B:-13
- C:-17
- D:-20

Correct Answer:- Option-C

Question73:-The maximum increase in volume when water is added to fat lime is \_\_\_\_\_.

- A:-1.5 times
- B:-2.5 times
- C:-3 times
- D:-3.5 times

Correct Answer:- Option-B

Question74:-Allowable slump for concrete used for road work is \_\_\_\_\_.

- A:-10 to 15 mm
- B:-20 to 28 mm
- C:-30 to 45 mm
- D:-50 to 70 mm

Correct Answer:- Option-B

Question75:-The percentage of copper in high tensile steel is \_\_\_\_\_.

- A:-0%
- B:-0.25%
- C:-0.4%
- D:-0.55%

Correct Answer:- Option-C

Question76:-The method adopted to increase the bearing capacity of black cotton soil is \_\_\_\_\_.

- A:-drain the soil
- B:-add fine aggregate
- C:-add aggregate
- D:-compact the soil

Correct Answer:- Option-D

Question77:-\_\_\_\_\_ joints are usually jointed in ashlar masonry.

- A:-Vee
- B:-Projecting
- C:-Channel
- D:-Flush

Correct Answer:- Option-D

Question78:-\_\_\_\_\_ bond is used in brick masonry for carrying heavy loads.



- A:-Single flemish
- B:-Double flemish
- C:-English
- D:-Dutch

Correct Answer:- Option-C

Question79:-\_\_\_\_\_ is an example for lengthening joint.

- A:-Bridle joint
- B:-Fished joint
- C:-Mortise and tenon joint
- D:-Housed joint

Correct Answer:- Option-B

Question80:-The area enclosed between the rails in a door is called \_\_\_\_\_.

- A:-panel
- B:-transom
- C:-mullion
- D:-slash

Correct Answer:- Option-A

Question81:-The outer most support of an arch is \_\_\_\_\_.

- A:-piers
- B:-skew-back
- C:-abutments
- D:-intrados

Correct Answer:- Option-C

Question82:-The proportion of lime cement plaster for DPC is \_\_\_\_\_.

- A:-1:1.5:3
- B:-1:1:6
- C:-1:2:4
- D:-1:3:6

Correct Answer:- Option-B

Question83:-The survey conducted to study the customs and relics of the past is called \_\_\_\_\_.

- A:-Cadastral survey
- B:-Archeological survey
- C:-Topographical survey
- D:-Plane survey

Correct Answer:- Option-B

Question84:-The principle of optical square is \_\_\_\_\_.

- A:-refraction
- B:-reflection
- C:-double reflection
- D:-double refraction

Correct Answer:- Option-C

Question85:-The accuracy of survey depends upon the accuracy of \_\_\_\_\_ measurement.

- A:-Base line
- B:-Tie line
- C:-Check line
- D:-Boundary line

Correct Answer:- Option-A

Question86:-Bad ranging is a source of \_\_\_\_\_ error.

- A:-+ve cumulative
- B:-ve cumulative
- C:-compensating
- D:-natural

Correct Answer:- Option-A

Question87:-Most accurate type of cross staff is \_\_\_\_\_ cross staff.

- A:-adjustable
- B:-open
- C:-french
- D:-mirror type

Correct Answer:- Option-B

Question88:- \_\_\_\_\_ is used for measuring the bearings of lines in fast needle method.

- A:-Theodolite
- B:-Prismatic compass
- C:-Surveyor's compass
- D:-All the above

Correct Answer:- Option-A

Question89:-The dip of the magnetic needle at equator is \_\_\_\_\_.

- A:-90°
- B:-60°
- C:-45°
- D:-0°

Correct Answer:- Option-D

Question90:- \_\_\_\_\_ is the method of plane tabling adopted for locating inaccessible points.

- A:-Resection
- B:-Radiation
- C:-Traversing
- D:-Intersection

Correct Answer:- Option-D

Question91:-The vertical distance a point above the datum is called \_\_\_\_\_.

- A:-Elevation
- B:-Height of instrument
- C:-Staff reading
- D:-Staff intercept

Correct Answer:- Option-A

Question92:-Levelling carried out along the given route to find the elevations of points at known distances is called \_\_\_\_\_ levelling.

- A:-differential
- B:-fly
- C:-profile
- D:-trigonometric

Correct Answer:- Option-C

Question93:-When the length of sight is more than 100 m the staff used is called \_\_\_\_\_.

- A:-Solid staff
- B:-Telescopic staff
- C:-Telescopic staffs
- D:-Target staff

Correct Answer:- Option-D

Question94:-On geographical map relief of earth surface is usually represented by \_\_\_\_\_.

- A:-hachures
- B:-shading
- C:-contours
- D:-models

Correct Answer:- Option-C

Question95:-Contour interval for mountainous region is \_\_\_\_\_.

- A:-2 m
- B:-5 m
- C:-10 m
- D:-20 m

Correct Answer:- Option-A

Question96:-The accurate rule for computation of volume is \_\_\_\_\_ rule.

- A:-Trapezoidal
- B:-Prismoidal
- C:-Simpson's
- D:-Transit

Correct Answer:- Option-B

Question97:-The instrument used for measuring the area from plan is \_\_\_\_\_.

- A:-Pentagraph
- B:-Proportionate compass
- C:-Box sextant

D:-Planimeter

Correct Answer:- Option-D

Question98:-Abney level is used for \_\_\_\_\_.

A:-reducing plan

B:-enlargement of plan

C:-slope measurement

D:-area determination

Correct Answer:- Option-D

Question99:-An example for kharif crop is \_\_\_\_\_.

A:-gram

B:-wheat

C:-jowar

D:-potato

Correct Answer:- Option-C

Question100:-The cross drainage work in which the HFL of natural drain is above the bed of canal is called \_\_\_\_\_.

A:-Level crossing

B:-Syphon aqueduct

C:-Super passage

D:-Spillway

Correct Answer:- Option-B