

FINAL ANSWER KEY

Question Paper Code:	64/2017/OL
Category Code:	241/2016
Exam:	Jr Instructor-Draughtsman Civil(SR for SC/ST)
Medium of Question:	English
Date of Test	26-07-2017
Department	Industrial Training
Alphacode	A

Question1:-Who drafted the resolution of 'quit India' in 1942

- A:-Mahatma Gandhi
 - B:-Dr.B.R. Ambedkar
 - C:-Jawaharlal Nehru
 - D:-Dr. Rajendra Prasad
- Correct Answer:- Option-C

Question2:-The famous work 'Broken Wings' is written by

- A:-Sarojini Naidu
 - B:-Asa Poorna Devi
 - C:-Salim Ali
 - D:-Maha Swetha Devi
- Correct Answer:- Option-A

Question3:-Aikya Kerala Convention was held at Thrissur in 1947 under the president ship of

- A:-A.K. Gopalan
 - B:-K.Kelappan
 - C:-EMS Namboothirippad
 - D:-Pattom Tanu Pillai
- Correct Answer:- Option-B

Question4:-'Potato Eaters' is the oil painting of

- A:-Picasso
 - B:-Leonardo Davinchi
 - C:-Michael Angelo
 - D:-Vincent Van Gogh
- Correct Answer:- Option-D

Question5:-The language used in the art form 'Koodiyattam' is

- A:-Tamil
 - B:-Malayalam
 - C:-Sanskrit
 - D:-Kannada
- Correct Answer:- Option-A

Question6:-Tzar rule was overthrow from Russia by the Revolution of

- A:-October Revolution
 - B:-November Revolution
 - C:-February Revolution
 - D:-Blood less Revolution
- Correct Answer:- Option-C

Question7:-When the river Gangas and Yamuna are annexed in Bangladesh it is known as

- A:-Sangpo
 - B:-Meghna
 - C:-Luhit
 - D:-Padma
- Correct Answer:- Option-B

Question8:-The first political Drama in Malayalam is

- A:-Ningal Enne Comunist Aakki
 - B:-Aswamedham
 - C:-Adukkalayil Ninnu Arangathekk
 - D:-Pattabakki
- Correct Answer:- Option-D

Question9:-'Kallumala Agitation' is associated with

- A:-Temple entry
- B:-Education reforms
- C:-Political change
- D:-Dress code

Correct Answer:- Option-D

Question10:-The first news paper in Malayalam is

- A:-Nasrani Deepika
- B:-Rajya Samachar
- C:-Swadesabhimani
- D:-Mathrubhumi

Correct Answer:- Option-B

Question11:-Name the Assembly constituency in the state of Manipur where Iron Sharmila became the candidate in 2017 Election

- A:-Thobal
- B:-Karong
- C:-Sekmai
- D:-Wangoi

Correct Answer:- Option-A

Question12:-Which Indian states the National Park is situated ?

- A:-Assam
- B:-Meghalaya
- C:-Odisha
- D:-Sikkim

Correct Answer:- Option-C

Question13:-Who recommended the SUPW(Socially Useful Productive Work) in school curriculum

- A:-Kothari Commission
- B:-IswarBhai Pattel Committee
- C:-Radhakrishnan Commission
- D:-Sree Prakash Committee

Correct Answer:- Option-B

Question14:-'Kozhinja Ilakal' is the autobiography of

- A:-MT Vasudevan Nair
- B:-ONV Kurup
- C:-Joseph Mundasseri
- D:-SK Pottakkad

Correct Answer:- Option-C

Question15:-Which year Kerala Press Academy was established in ?

- A:-1976
- B:-1977
- C:-1978
- D:-1979

Correct Answer:- Option-D

Question16:-Which amendment of the Indian Constitution withdraw the Fundamental Right to property

- A:-` 44^(th)`
- B:-` 45^(th)`
- C:-` 46^(th)`
- D:-` 47^(th)`

Correct Answer:- Option-A

Question17:-The Volcano-Cotopaxi is situated in

- A:-Ecuador
- B:-Italy
- C:-Mexico
- D:-Indonesia

Correct Answer:- Option-A

Question18:-The Protection of Children from Sexual Offences (POCSO) Act is applicable to India in

- A:-2016
- B:-2012
- C:-2015
- D:-2013

Correct Answer:- Option-B

Question19:-The real name of Kumara Guru is

- A:-Narayanan
- B:-KP Karuppan
- C:-Kesavan Asan
- D:-Poykayil yohannan

Correct Answer:- Option-D

Question20:-The poem Bashpaanjali is written by

- A:-Ullur S Parameswara Ayyar
- B:-Kumaranasan
- C:-Changampuzha Krishna pillai
- D:-Balamani Amma

Correct Answer:- Option-C

Question21:-The ratio between two adjacent side of the drawing sheet is

- A:-1 : $\sqrt{5}$
- B:-1 : $\sqrt{3}$
- C:-1 : $\sqrt{2}$
- D:- 1 : 1

Correct Answer:- Option-C

Question22:-In which regular polygon sides are equal to radius of circumscribing circle.

- A:-Octagon
- B:-Heptagon
- C:-Hexagon
- D:-Pentagon

Correct Answer:- Option-C

Question23:-The maximum number of tangents drawn to a circle from a point outside the circle

- A:-2
- B:-4
- C:-16
- D:- ∞

Correct Answer:- Option-A

Question24:-The Isometric axis are inclined at _____ degree to each other

- A:-60
- B:-90
- C:-120
- D:-150

Correct Answer:- Option-C

Question25:-Which of the following pencil leads is hardest

- A:-HB
- B:-H
- C:-B
- D:-F

Correct Answer:- Option-B

Question26:-A four sided figure having two pairs to sides parallel is called a

- A:-Rhomboid
- B:-Regular polygon
- C:-Pentagon
- D:-Trapezoid

Correct Answer:- Option-A

Question27:-Eccentricity is always equal to one for

- A:-Ellipse
- B:-Parabola
- C:-Hyperbola
- D:-Circle

Correct Answer:- Option-B

Question28:-In a drawing letters and numbers are designed by their

- A:-Width
- B:-Height
- C:-Thickness

D:-none of these

Correct Answer:- Option-B

Question29:-The angle of miter line is _____ degrees

A:-75

B:-60

C:-45

D:-30

Correct Answer:- Option-C

Question30:-A solid bounded by twelve equal regular pentagon is known as

A:-Octahedron

B:-Tetrahedron

C:-Icosahedron

D:-Dodecahedron

Correct Answer:- Option-D

Question31:-If the smallest division of a Verneir is longer than the smallest division of its primary scale, teh Vernier is known as

A:-Direct Vernier

B:-Double Verneir

C:-Simple Vernier

D:-Retrograde Vernier

Correct Answer:- Option-D

Question32:-When a chain is used at a temperature more than the temperature it was calibrated the erorr in measured length will be

A:-Cumulative

B:-Compensative

C:-Negative

D:-Observational error

Correct Answer:- Option-A

Question33:-The length of an Engineer's chain should be

A:-100 ft

B:-66 ft

C:-30 m

D:-20 m

Correct Answer:- Option-A

Question34:-Generally while chaining, the arrow which accompany with one chain must be

A:-3 nos

B:-5 nos

C:-10 nos

D:-12 nos

Correct Answer:- Option-C

Question35:-The difference between the most probable value of a quantity and its observed value is

A:-Conditional error

B:-True error

C:-Residual error

D:-Safe error

Correct Answer:- Option-C

Question36:-The base line is measured with

A:-Metallic tape

B:-Steel tape

C:-Invar tape

D:-Chain

Correct Answer:- Option-D

Question37:-An offset more than 15 m in length is known as

A:-Long offset

B:-Short offset

C:-Oblique offset

D:-Right-angled offset

Correct Answer:- Option-A

Question38:-Which of the following instruments is used for measurements of angles ?

- A:-Geodimeter
- B:-Tellurometer
- C:-Sextant
- D:-Telescope

Correct Answer:- Option-C

Question39:-The box of prismatic compass is made of

- A:-Steel
- B:-Brass
- C:-Iron
- D:-Aluminium

Correct Answer:- Option-B

Question40:-The two point and three point problems are methods of

- A:-Orientation
- B:-Resection
- C:-Traversing and resection
- D:-Orientation and resection

Correct Answer:- Option-D

Question41:-The accuracy of "fix" by two point problems is

- A:-Bad
- B:-Good
- C:-Unique
- D:-Not reliable

Correct Answer:- Option-D

Question42:-In levelling, the error due to refraction is

- A:-Positive
- B:-Negative
- C:-Compensating
- D:-Progressive

Correct Answer:- Option-C

Question43:-Levelling across a river is done by

- A:-fly levelling
- B:-reciprocal levelling
- C:-trigonometrical levelling
- D:-cross levelling

Correct Answer:- Option-B

Question44:-An anallatic lens is

- A:-Convex
- B:-Concave
- C:-Plane
- D:-Plano-concave

Correct Answer:- Option-A

Question45:-Which method gives more accurate results in the measurements of areas

- A:-Mid – ordinate rule
- B:-Average – ordinate rule
- C:-C. trapezoidal rule
- D:-Simpsons rule

Correct Answer:- Option-D

Question46:-The colour of a mineral in its powdered form is known as

- A:-streak
- B:-lustre
- C:-texture
- D:-structure

Correct Answer:- Option-A

Question47:-Which of the following is a mineral

- A:-Quartzite
- B:-Laterite
- C:-Granite
- D:-Calcite

Correct Answer:- Option-D

Question48:-The minimum hardness number for marble is about

- A:-3
- B:-5
- C:-8
- D:-10

Correct Answer:- Option-A

Question49:-A stone is rejected if the water absorption is more than

- A:-30%
- B:-25%
- C:-20%
- D:-15%

Correct Answer:- Option-D

Question50:-Attrition test on stone is done to find out

- A:-Compressive strength
- B:-Hardness
- C:-Rate of wear
- D:-Toughness

Correct Answer:- Option-C

Question51:-The coarseness of the grains of a mineral is known as

- A:-fracture
- B:-texture
- C:-structure
- D:-lustre

Correct Answer:- Option-B

Question52:-The tool used for quarrying of stones is

- A:-dipper
- B:-jumper
- C:-spalling hammer
- D:-priming needle

Correct Answer:- Option-B

Question53:-The ingredient of the brick earth which enables the brick to retain shape

- A:-alumina
- B:-silica
- C:-iron oxide
- D:-magnesia

Correct Answer:- Option-B

Question54:-The board used for providing frog in bricks is known as

- A:-pallet board
- B:-lamin board
- C:-fibre board
- D:-stock board

Correct Answer:- Option-D

Question55:-Swelling of bricks is known as

- A:-bloating
- B:-lamination
- C:-chuffs
- D:-efflorescence

Correct Answer:- Option-A

Question56:-Annual rings of the tree represent is

- A:-life
- B:-strength
- C:-density
- D:-cant

Correct Answer:- Option-A

Question57:-The main constituent of varnish is

- A:-turpentine oil
- B:-petrol
- C:-resin
- D:-solvent

Correct Answer:- Option-C

Question58:-The main corrosive resisting pigment in paint is

- A:-Zinc oxide
- B:-Aluminium oxide
- C:-Ferrous oxide
- D:-Red lead

Correct Answer:- Option-D

Question59:-Out of the following, the material which dries quickly is

- A:-paint
- B:-polish
- C:-enamel
- D:-varnish

Correct Answer:- Option-B

Question60:-Poorest conductor of electricity is

- A:-Aluminium
- B:-Carbon
- C:-Steel
- D:-Silver

Correct Answer:- Option-B

Question61:-The depth of excavation for foundation is usually checked with a

- A:-tape
- B:-levelling staff
- C:-ranging rod
- D:-boning rod

Correct Answer:- Option-D

Question62:-When a brick is cut off lengthwise the cut out bricks are called

- A:-Queen closer
- B:-King closer
- C:-Corbel
- D:-Bat

Correct Answer:- Option-A

Question63:-To construct a 10 cm thick partition wall, preferred bond will be

- A:-Flemish bond
- B:-English bond
- C:-Stretcher bond
- D:-Header bond

Correct Answer:- Option-C

Question64:-The projection of tread beyond the riser is called as

- A:-stringer
- B:-nosing
- C:-pitch
- D:-baluster

Correct Answer:- Option-B

Question65:-The number of steps in a flight should be less than

- A:-12
- B:-3
- C:-2
- D:-5

Correct Answer:- Option-B

Question66:-The wedge shaped bricks forming an arch ring are called

- A:-voussoirs
- B:-soffit
- C:-spandrils
- D:-haunches

Correct Answer:- Option-A

Question67:-The upper convex surface of an arch is called

- A:-intrados
- B:-extrados
- C:-soffit

D:-haunch

Correct Answer:- Option-B

Question68:-Apex line of a sloping roof is called

A:-rise

B:-hip

C:-ridge

D:-verge

Correct Answer:- Option-C

Question69:-The arrangement of supporting an existing structure by providing supports underneath, is known as

A:-piling

B:-jacking

C:-shoring

D:-underpinning

Correct Answer:- Option-D

Question70:-Lower edge of the inclined roof surface is called

A:-pitch

B:- eaves

C:-cleat

D:-gable

Correct Answer:- Option-B

Question71:-In a detailed estimate the provisions for contingens, is usually

A:-1 percent

B:-30 to 5 percent

C:-10 percent

D:-12 to 15 percent

Correct Answer:- Option-B

Question72:-Capacity of a flushing cistern is

A:-10 litres

B:-25 litres

C:-12 to 15 litres

D:-20 to 25 litres

Correct Answer:- Option-C

Question73:-While mixing cement mortar by volume, the volume of a cement bag is specified as

A:-50 litres

B:-35 litres

C:-0.050 cu m

D:-0.35 cu m

Correct Answer:- Option-B

Question74:-Thickness of plastering is usually

A:-40 mm

B:-25 mm

C:-12 mm

D:-6 mm

Correct Answer:- Option-C

Question75:-Generally the unit of measurement for partition wall is

A:-cu m

B:-sq m

C:-running metre

D:-numbers

Correct Answer:- Option-B

Question76:-The steel used for cutting tools is known as

A:-mild steel

B:-high carbon steel

C:-medium carbon steel

D:-none of these

Correct Answer:- Option-B

Question77:-The property of a material enabling it to resist deformation under stress is called

A:-stiffness

B:-toughness

- C:-strength
- D:-brittleness

Correct Answer:- Option-A

Question78:-What is the nature of stress in a ceiling fan rod ?

- A:-bending
- B:-tensile
- C:-compressive
- D:-shear

Correct Answer:- Option-D

Question79:-Which of the following has the highest value of Poisson's ratio

- A:-rubber
- B:-steel
- C:-aluminium
- D:-copper

Correct Answer:- Option-A

Question80:-The bending moment on a section is maximum where shear force is

- A:-zero
- B:-minimum
- C:-maximum
- D:-changing sign

Correct Answer:- Option-D

Question81:-Which of the following is a scalar quantity ?

- A:-energy
- B:-momentum
- C:-torque
- D:-impulse

Correct Answer:- Option-A

Question82:-Compression members are generally called

- A:-piers
- B:-ties
- C:-purlins
- D:-struts

Correct Answer:- Option-D

Question83:-The time period of a second pendulum is

- A:- $\frac{1}{2}$ second
- B:-1 second
- C:-2 second
- D:-5 second

Correct Answer:- Option-C

Question84:-The specific weight of water in S.I. units is

- A:-9.81 gm
- B:-981 gm
- C:-9.81 kN/m³
- D:-9.81x10³ kN/m²

Correct Answer:- Option-C

Question85:-In open channel water flows under

- A:-force of gravity
- B:-atmospheric pressure
- C:-hydrostatic pressure
- D:-mechanical pressure

Correct Answer:- Option-A

Question86:-In a tank or channel, notch is provided to measure

- A:-velocity
- B:-pressure
- C:-discharge
- D:-static energy

Correct Answer:- Option-C

Question87:-The turbine suitable for low heads and high flow rates is

- A:-Pelton wheel

- B:-Francis
- C:-Kaplan
- D:-All of the above

Correct Answer:- Option-B

Question88:-For growth of plants, the useful soil moisture is

- A:-rain water
- B:-gravity water
- C:-capillary water
- D:-chemically treated water

Correct Answer:- Option-C

Question89:-Precipitation includes all of the following except

- A:-snow melt
- B:-frost
- C:-mist and fog
- D:-stream flow

Correct Answer:- Option-D

Question90:-Most fertile soil is

- A:-alluvium
- B:-black soil
- C:-laterite soil
- D:- red soil

Correct Answer:- Option-A

Question91:-A tor steel bar has about _____ more yield stress than ordinary mild steel

- A:-10%
- B:-50%
- C:-35%
- D:-20%

Correct Answer:- Option-B

Question92:-The maximum bulking of sand occurs at a moisture content of

- A:-28%
- B:-15%
- C:-8%
- D:-5%

Correct Answer:- Option-C

Question93:-The most widely used tube well in India, is

- A:-strainer well
- B:-cavity well
- C:-slotted well
- D:-perforated well

Correct Answer:- Option-A

Question94:-The most common cause of acidity in water is

- A:-hydrogen
- B:-oxygen
- C:-carbon dioxide
- D:-alkalies

Correct Answer:- Option-C

Question95:-The presence of algae in water indicates that water is

- A:-hard
- B:-soft
- C:-turbid
- D:-acidic

Correct Answer:- Option-D

Question96:-Which of the following is a volatile memory ?

- A:-EEPROM
- B:-PROM
- C:-EPROM
- D:-RAM

Correct Answer:- Option-D

Question97:-First generation computers used

- A:-Transistor
- B:-Micro processors
- C:-Vacum tube processors
- D:-Integrated circuit

Correct Answer:- Option-C

Question98:-Data stored in primary storage is represented using

- A:-base 16
- B:-base 10
- C:-base 5
- D:-base 2

Correct Answer:- Option-D

Question99:-A command which is used to pick point like end point, mid-point, tangent etc. of entities very precisely with geometrical accuracy.

- A:-GRID
- B:-ZOOM
- C:-DIM
- D:-OSNAP

Correct Answer:- Option-D

Question100:-GPS is owned and operated by

- A:-US Government
- B:-Russian Government
- C:-Chinese Government
- D:-None of these

Correct Answer:- Option-A