

PROVISIONAL ANSWER KEY

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Question1:-The river Bhartapuzha joins with the Arabian sea at _____

- A:-Malappuram
- B:-Ponnani
- C:-Coimbatore
- D:-Kozhikode

Correct Answer:- Option-B

Question2:-Which is the first mountain railway in India ?

- A:-Darjeeling
- B:-Himachal
- C:-Shiwalik
- D:-Varanasi

Correct Answer:- Option-A

Question3:-The largest plateau in India is the _____

- A:-Chota Nagpur Plateau
- B:-Southern Plateau
- C:-Malwa Plateau
- D:-Deccan Plateau

Correct Answer:- Option-D

Question4:-Black soil is good for growing _____

- A:-Sugar cane
- B:-Maize
- C:-Cotton
- D:-Jute

Correct Answer:- Option-C

Question5:-The Bakel fort, the biggest one in Kerala was built by _____

- A:-Ikkeri Nayiks
- B:-Portuguese
- C:-Haider Ali
- D:-British

Correct Answer:- Option-A

Question6:-Who led the Rovolt of 1857 in Bihar ?

- A:-Nana Saheb
- B:-Baji Rao II
- C:-Khan Bahadur
- D:-Kunwar Singh

Correct Answer:- Option-D

Question7:-The 'Economic History of India' was published by _____

- A:-Dadabai Naoroji
- B:-R.C. Dutt
- C:-M.G. Ranade
- D:-G.V. Joshi

Correct Answer:- Option-B

Question8:-Who suggested that the Indian National Congress was a product of Lord Dufferin's brain ?

- A:-Tilak
- B:-Gokhale
- C:-Bipin Chandra Pal
- D:-Lala Lajpat Rai

Correct Answer:- Option-D

Question9:-_____ congress was significant for the famous Congress League Pact ?

- A:-Lahore

B:-Lucknow

C:-Nagpur

D:-Bombay

Correct Answer:- Option-B

Question10:-Who organized Abhinav Bharat as a secrete Society in 1904 ?

A:-Bhagat Singh

B:-Prafulla Chaki

C:-Khudiram Bose

D:-V.D. Savarkar

Correct Answer:- Option-D

Question11:-The Kochi Pulaya Mahasabha was founded under the leadership of _____

A:-Ayyankali

B:-C. Krishnan

C:-K. Kelappan

D:-K.P. Karuppan

Correct Answer:- Option-D

Question12:-Who started the Sanskrit educational center called 'Tatwa Prakasika Ashram' in 1898 ?

A:-Thycaud Ayya

B:-Vagbhatananda

C:-Ayya Vaikundai

D:-V.T. Bhattatiripad

Correct Answer:- Option-B

Question13:-In 1931 Vakkom Moulavi published a journal called _____

A:-The Muslim

B:-Deepika

C:-Al Islam

D:-Swadeshabhimani

Correct Answer:- Option-B

Question14:-Vedadhikara Nirupanam was written by _____

A:-Kumaranasan

B:-Swami Sivayogi

C:-Chattampi Swamikal

D:-Kumara Guru

Correct Answer:- Option-C

Question15:-In which year Sree Narayana Guru founded the Advaita Ashram at Aluva ?

A:-1912

B:-1913

C:-1914

D:-1915

Correct Answer:- Option-B

Question16:-Who is the richest person in the world ?

A:-Carlos Slim

B:-Warren Buffet

C:-Bill Gates

D:-David Koch

Correct Answer:- Option-C

Question17:-Who headed the Moon Mission ?

A:-Manmohan Singh

B:-G. Madhavan Nair

C:-APJ Abdul Kalam

D:-K.S. Jayaraman

Correct Answer:- Option-B

Question18:-The Fifa World Cup football tournament 2018 will be held in _____

A:-Russia

B:-Cuba

C:-China

D:-Pakistan

Correct Answer:- Option-A

Question19:-Who is the first Indian to win two Oscars ?

A:-Ilaiyaraja
B:-A.R. Rahman
C:-S.P. Balasubramanayam
D:-Rasool Pookutty
Correct Answer:- Option-B

Question20:-Who is the first Indian woman to reach the summit of Mount Everest ?

A:-Arunima Sinha
B:-Kalpana Chaula
C:-Bachandri Pal
D:-Samina Baig
Correct Answer:- Option-C

Question21:-The rocks which are formed from molten magma are called

A:-Aqueous rocks
B:-Igneous rocks
C:-Metamorphic rocks
D:-Sedimentary rocks
Correct Answer:- Option-B

Question22:-According to ISI the strength of concrete is achieved after

A:-7 days
B:-10 days
C:-21 days
D:-28 days
Correct Answer:- Option-D

Question23:-The standard size of masonry brick is

A:-20 cm × 10 cm × 10 cm
B:-21 cm × 11 cm × 11 cm
C:-19 cm × 9 cm × 9 cm
D:-22.5 cm × 10 cm × 8.5 cm
Correct Answer:- Option-C

Question24:-Ornamental moulded course placed on the top of the wall is

A:-Cornice
B:-Corbel
C:-Coping
D:-Lintel
Correct Answer:- Option-A

Question25:-Lime mortar is made by

A:-Quick lime
B:-Fat lime
C:-Hydraulic lime
D:-White lime
Correct Answer:- Option-C

Question26:-The common admixture used to accelerate the initial set of concrete is

A:-Gypsum
B:-Calcium chloride
C:-Mixture of bitumen and inert material
D:-By-product of bitumen
Correct Answer:- Option-B

Question27:-The percentage of Alumina in a good brick earth lies between

A:-5 - 10 %
B:-50 - 60 %
C:-20 - 30 %
D:-70 - 80 %
Correct Answer:- Option-C

Question28:-The maximum particle size of fine aggregate is

A:-5.25 mm
B:-4.75 mm
C:-4.25 mm
D:-3.75 mm
Correct Answer:- Option-B

Question29:-When a brick cut off lengthwise the cut out bricks are called

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

Correct Answer:- Option-B

Question30:-Frogs made in the bricks are

- A:-To reduce the weight of the brick
- B:-To indicate year and name of manufacture
- C:-To form a key for holding the mortar
- D:-To indicate the top of the brick

Correct Answer:- Option-C

Question31:-The type of bond in which every course contains both headers and stretchers is called

- A:-Flemish bond
- B:-Double Flemish bond
- C:-English bond
- D:-Dutch bond

Correct Answer:- Option-B

Question32:-The Angular or radiating steps which are provided for changing the direction of a stair, are called

- A:-Winders
- B:-Scotia
- C:-Baluster
- D:-Soffit

Correct Answer:- Option-A

Question33:-In a single day the maximum height of masonry to be raised should not be more than

- A:-0.5 m
- B:-1 m
- C:-1.5 m
- D:-2 m

Correct Answer:- Option-C

Question34:-The type of masonry in which the stones are fine, chisel, dressed and the thickness of joint, does not exceed 3 mm is called

- A:-Random rubble masonry
- B:-Ashlar masonry
- C:-First class rubble masonry
- D:-Ashlar fine masonry

Correct Answer:- Option-D

Question35:-In the manufacture of brick pug mill is used for

- A:-Burning
- B:-Moulding
- C:-Drying
- D:-Kneading

Correct Answer:- Option-D

Question36:-A badly mixed cement concrete results in

- A:-Segregation
- B:-Bleeding
- C:-Honey combing
- D:-None of these

Correct Answer:- Option-C

Question37:-A pointed arch which forms isosceles or equilateral triangle is generally known as

- A:-Three centered arch
- B:-Two centered arch
- C:-Lancet arch
- D:-Bull's eye arch

Correct Answer:- Option-B

Question38:-The member which is placed horizontally to support common rafter of a sloping roof, its

- A:-Purlin
- B:-Cleat
- C:-Batten

D:-Strut

Correct Answer:- Option-A

Question39:-The window which projects outside a room of a building for admitting more light and air is known as

A:-Bay window

B:-Casement window

C:-Lantern window

D:-Dormer window

Correct Answer:- Option-A

Question40:-The arrangement made to support an unsafe structure temporarily is known as

A:-Shoring

B:-Scaffolding

C:-Jacking

D:-Underpinning

Correct Answer:- Option-A

Question41:-For 1cu.m of finished concrete, the quantity of dry material required in their proportion is

A:-1.00 `m^(3)`

B:-1.40 `m^(3)`

C:-1.10 `m^(3)`

D:-1.54 `m^(3)`

Correct Answer:- Option-D

Question42:-Contractors profit is usually

A:-5 %

B:-10 %

C:-15 %

D:-20 %

Correct Answer:- Option-B

Question43:-One cubic m cement = _____ bags.

A:-10 bags

B:-20 bags

C:-30 bags

D:-40 bags

Correct Answer:- Option-C

Question44:-A carriageway in which cement concrete wearing surface is provided for the wheel tracks only

A:-Pavement

B:-Sub crust

C:-Crete way

D:-Carpet

Correct Answer:- Option-C

Question45:-The finished top width of earth work in fill or cut for receiving the road structure is

A:-Formation width

B:-Cutback

C:-Drive way

D:-Truck way

Correct Answer:- Option-A

Question46:-A fund which is accumulated gradually by deposits for replacement of any construction at the end of its useful life is known as

A:-Sinking fund

B:-Annuity

C:-Capital cost

D:-Salvage value

Correct Answer:- Option-A

Question47:-Regular polygon having 10 equal sides is called

A:-Pentagon

B:-Hexagon

C:-Octagon

D:-Decagon

Correct Answer:- Option-D

Question48:-The type of pile which is driven at an inclination to resist inclined force is known as

A:-Friction pile

B:-Sheet pile

C:-Batter pile

D:-Anchor pile

Correct Answer:- Option-C

Question49:-In chain surveying perpendicular to chain lines are set out by

A:-Theodolite

B:-A prismatic compass

C:-A dumpy level

D:-An optical square

Correct Answer:- Option-D

Question50:-The international nautical mile is same as

A:-18.52 km/h

B:-1.609 km/h

C:-1.852 km/h

D:-16.09 km/h

Correct Answer:- Option-C

Question51:-The measuring or recording wheel of a Planimeter is divided into _____ parts.

A:-10

B:-100

C:-1000

D:-50

Correct Answer:- Option-B

Question52:-The smallest division of metric leveling staff is

A:-0.5 m

B:-1.0 m

C:-0.05 m

D:-0.005 m

Correct Answer:- Option-D

Question53:-The head quarter of Indian road congress is at

A:-Mumbai

B:-Kolkata

C:-Madras

D:-New Delhi

Correct Answer:- Option-D

Question54:-A relatively fixed point of known elevation is called

A:-Bench mark

B:-Datum point

C:-Reduced level

D:-Reference point

Correct Answer:- Option-A

Question55:-The portion of road way designed and constructed for vehicular traffic

A:-Right-of-way

B:-Road way

C:-Carriage way

D:-High way

Correct Answer:- Option-C

Question56:-The initial lead for earthwork is

A:-50 m

B:-10 m

C:-15 m

D:-100 m

Correct Answer:- Option-A

Question57:-In prismatic compass the magnetic needle used is

A:-Edge bar needle

B:-Broad form

C:-Prismatic needle

D:-Straight needle

Correct Answer:- Option-B

Question58:-When a canal and river happen to meet at the same level then

- A:-A level crossing is used
 - B:-A super passage is used
 - C:-An aqueduct is used
 - D:-A regulator is used
- Correct Answer:- Option-A

Question59:-Projectors are _____ to each other in orthographic projection.

- A:-Parallel
- B:-Perpendicular
- C:-Inclined
- D:-Conical to each other

Correct Answer:- Option-A

Question60:-The development of surface of a cube consist of _____ equal squares.

- A:-4
- B:-6
- C:-8
- D:-12

Correct Answer:- Option-B

Question61:-The development of a curved surface of a cone is a _____ of a circle.

- A:-Diameter
- B:-Sector
- C:-Circumference
- D:-Chord

Correct Answer:- Option-C

Question62:-The solid which has 4 equal faces each an equilateral triangle is

- A:-Hexahedron
- B:-Tetrahedron
- C:-Octahedron
- D:-Decahedron

Correct Answer:- Option-B

Question63:-Right solid is a solid whose axis is _____ to its base.

- A:-Horizontal
- B:-Parallel
- C:-Inclined
- D:-Perpendicular

Correct Answer:- Option-D

Question64:-The concrete slump recommended for beams and slab is

- A:-75 to 125 mm
- B:-50 to 100 mm
- C:-30 to 125 mm
- D:-25 to 50 mm

Correct Answer:- Option-C

Question65:-The horizontal angle between the meridian and the survey line measured in clockwise direction is called

- A:-Latitude
- B:-Bearing
- C:-Departure
- D:-Dip

Correct Answer:- Option-B

Question66:-The whole circle bearing of a line is 230° , its quadrantal bearing is

- A:- $S50^\circ W$
- B:- $W40^\circ S$
- C:- $S30^\circ W$
- D:- $S40^\circ W$

Correct Answer:- Option-A

Question67:-While constructing scales, the length of scale required is

- A:- $R.F \times \text{Distance on drawing}$
- B:- $R.F \times \text{Length to be measured}$
- C:- $R.F \times \text{Distance on object}$
- D:- $R.F \times \text{Distance on diagonal scale}$

Correct Answer:- Option-B

Question68:-The height of telescopic metric staff

- A:-3 m
- B:-4 m
- C:-5 m
- D:-3.5 m

Correct Answer:- Option-B

Question69:-The reading first entered in the field book of levelling

- A:-Back sight
- B:-Fore sight
- C:-Intermediate size
- D:-Change point

Correct Answer:- Option-A

Question70:-The main principle of surveying

- A:-Part to the whole
- B:-Lower surface to the higher surface
- C:-Whole to the part
- D:-Traversing

Correct Answer:- Option-C

Question71:-If 'h' is the difference in height between and point of chain length 'l' the required slope correction is

- A:- h/l
- B:- $h/2l$
- C:- h^2/l
- D:- $h^2/2l$

Correct Answer:- Option-D

Question72:-The size of field book is

- A:-20 × 20 cm
- B:-40 × 20 cm
- C:-20 × 12 cm
- D:-40 × 12 cm

Correct Answer:- Option-C

Question73:-1 hecter is equal to how many acres ?

- A:-24.70
- B:-2.47
- C:-0.247
- D:-247

Correct Answer:- Option-B

Question74:-The part of a circle bounded by an arc and its chord is known as

- A:-Semi circle
- B:-Chord
- C:-Segment
- D:-Sector

Correct Answer:- Option-C

Question75:-The slope of the road pavement in the longitudinal direction is called

- A:-Alignment
- B:-Length of summit
- C:-Super elevation
- D:-Gradient

Correct Answer:- Option-D

Question76:-The surface area of 'A₀' size drawing sheet is

- A:-2Sq.m
- B:-1Sq.m
- C:-1.5Sq.m
- D:-3Sq.m

Correct Answer:- Option-B

Question77:-Which of the following one is best suitable for accurate measurement of distance ?

- A:-Steel tape
- B:-Steel band
- C:-Invar tape
- D:-Metallic tape

Correct Answer:- Option-C

Question78:-At magnetic pole, the amount of dip is

A:- 60°

B:- 90°

C:- 45°

D:- 0°

Correct Answer:- Option-B

Question79:-In steep and broken ground, the most suitable method of contouring is

A:-By cross-section

B:-By squares

C:-By spot leveling

D:-By tachometer

Correct Answer:- Option-D

Question80:-_____ method is used for plotting the distance and inaccessible objects.

A:-Radiation

B:-Resection

C:-Two point problem

D:-Intersection

Correct Answer:- Option-D

Question81:-The overlapping distance recommended for asbestos cement sheet roofing, along the length of the sheet is

A:-15 cm

B:-30 cm

C:-50 cm

D:-40 cm

Correct Answer:- Option-A

Question82:-Area of circle whose radius is 'r' is given by

A:- $\frac{4}{3} \pi r^3$

B:- $\frac{3}{4} \pi r^3$

C:- $2 \pi r$

D:- πr^2

Correct Answer:- Option-D

Question83:- $\sin 90^\circ =$ _____

A:-0

B:-1

C:- $\frac{\sqrt{3}}{2}$

D:- $\frac{1}{2}$

Correct Answer:- Option-B

Question84:-Area is expressed in _____ units.

A:-Square units

B:-Cubic units

C:-Litres

D:-Gallon

Correct Answer:- Option-A

Question85:-Volume of bucket is given by

A:- $\frac{4}{3} \pi r^3$

B:- $\pi r^2 h$

C:- $\pi h (R^2 - r^2)$

D:-None of these

Correct Answer:- Option-C

Question86:-Area of equilateral triangle is

A:- $\frac{\sqrt{3}}{4} S^2$

B:- $\frac{b}{4} \sqrt{4a^2 - b^2}$

C:- $\frac{1}{2} (a + b)$

D:- $\frac{h}{2} (b_1 + b_2)$

Correct Answer:- Option-A

Question87:-A channel which is designed to irrigate all the year round is called

A:-Non perennial canal

B:-Ghat-fed canal

C:-Perennial canal

D:-Inundation canal

Correct Answer:- Option-C

Question88:-The rocks which are deposited in layers and can be easily split along such layers is known as

A:-Aqueous rocks

B:-Basalt

C:-Metamorphic rocks

D:-Sedimentary rocks

Correct Answer:- Option-D

Question89:-The specific gravity of water is taken as

A:-0.001

B:-0.01

C:-0.1

D:-1

Correct Answer:- Option-D

Question90:-A manometer is used to measure

A:-Atmospheric pressure

B:-Pressure in pipes and channels

C:-Pressure in venturimeter

D:-Difference of pressures between two points in a pipe

Correct Answer:- Option-B

Question91:-The product of mass and acceleration of flowing liquid is called

A:-Inertia force

B:-Viscous force

C:-Gravity force

D:-Pressure force

Correct Answer:- Option-A

Question92:-The relation between duty (D) in hectares/cumec delta (Δ) in meters and base period (B) in days is

A:- $\Delta = 8.64 B/D$

B:- $\Delta = 86.4 B/D$

C:- $864 B/D$

D:- $\Delta = 8640 B/D$

Correct Answer:- Option-B

Question93:-When the drain is over the canal, the structure provided is known as

A:-Aqueduct

B:-Syphon aqueduct

C:-Canal syphon

D:-Super passage

Correct Answer:- Option-D

Question94:-The fall of moisture from the atmosphere to the earth surface in any form is called

A:-Evaporation

B:-Transpiration

C:-Precipitation

D:-None of these

Correct Answer:- Option-C

Question95:-The Indian Road Congress (I.R.C.) was set up in

A:-1930

B:-1934

C:-1948

D:-1956

Correct Answer:- Option-B

Question96:-The top of the ground on which the foundation of road rests, is called

A:-Sub-grade

B:-Soling

C:-Base

D:-Wearing layer

Correct Answer:- Option-A

Question97:-In a flat arch, the skew back is made to rest in an inclined position so as to make an angle of _____ with springing line.

A:- 30°

B:-`40^(@)`

C:-`50^(@)`

D:-`60^(@)`

Correct Answer:- Option-D

Question98:-The lowest part of a structure which transmits the load to the soil is known as

A:-Super structure

B:-Plinth

C:-Foundation

D:-Basement

Correct Answer:- Option-C

Question99:-The most important tool used for brick masonry is

A:-Brick hammer

B:-Trowel

C:-Spirit level

D:-Line and pin

Correct Answer:- Option-B

Question100:-The under surface of an arch is called

A:-Soffit

B:-Back

C:-Haunch

D:-Intrados

Correct Answer:- Option-D