

PROVISIONAL ANSWER KEY

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Question1:-Which river is referred as 'Churni' in ancient texts?

- A:-Bharathapuzha
- B:-Periyar
- C:-Chaliyar
- D:-Pampa

Correct Answer:- Option-B

Question2:-Ozone Day is on

- A:-12th January
- B:-8th May
- C:-16th September
- D:-16th October

Correct Answer:- Option-C

Question3:-Who succeeded the office of Diwan in Travancore after the resignation of Sir C.P. Ramaswami Ayyar on 19 August 1947?

- A:-P.G.N. Unnithan
- B:-Venkatta Rao
- C:-Narayana Pillai
- D:-Sankara Menon

Correct Answer:- Option-A

Question4:-The molten material inside the Earth is called

- A:-Sial
- B:-Lava
- C:-Magma
- D:-Sima

Correct Answer:- Option-C

Question5:-The upper most layer of the atmosphere above Thermosphere is known as

- A:-Exosphere
- B:-Mesopause
- C:-Mesosphere
- D:-Ionosphere

Correct Answer:- Option-A

Question6:-Which session of Indian National Congress accepted the tri-color flag as the Official flag of congress?

- A:-Vardha session
- B:-Amaravathi session
- C:-Lahore session
- D:-Puna session

Correct Answer:- Option-C

Question7:-Who presided over the first session of the constituent assembly on 9th December 1946?

- A:-Sachidananda Sinha
- B:-Rajendra Prasad
- C:-B.N. Ravi
- D:-B.R. Ambedkar

Correct Answer:- Option-A

Question8:-Author of the book 'The General theory of Employment, Interest and Money'

- A:-Samuelson
- B:-Alfred Marshall
- C:-A.C. Pigou
- D:-J.M. Keynes

Correct Answer:- Option-D

Question9:-Indian National Congress and Muslim League signed _____ in 1916.

- A:-Lucknow pact
- B:-Puna pact
- C:-Lahore pact
- D:-Delhi pact

Correct Answer:- Option-A

Question10:-Vaikom is situated on the banks of the _____ lake in Kerala.

- A:-Sasthamkotta
- B:-Ashtamudi
- C:-Vembanadu
- D:-Bakel

Correct Answer:- Option-C

Question11:-Father of Muslim renaissance in Kerala

- A:-K.M. Seethisahib
- B:-Vakkom Abdulkhader Moulavi
- C:-K.M. Moulavi
- D:-M.C.C. Abdul Rahman

Correct Answer:- Option-B

Question12:-Author of the book 'Atmavidya Kahalam'

- A:-Velukutty Arayan
- B:-Sivayogi
- C:-Agamanandha Swamikal
- D:-Vagbhadananda

Correct Answer:- Option-D

Question13:-'Become Enlightened through education and strengthened through organization'. These are the words of _____.

- A:-Sree Narayana Guru
- B:-Kumaranasan
- C:-T.K. Madhavan
- D:-Gandhiji

Correct Answer:- Option-A

Question14:- _____ setup the third printing press in Kerala in 1846.

- A:-Benjamin Baily
- B:-Gundert
- C:-Protestant Missionary
- D:-Kuriakose Elias Chavara

Correct Answer:- Option-D

Question15:-A Social reformer nominated twice to Sreemulam Prajasabha

- A:-Pandit Karuppan
- B:-Dr. Palpu
- C:-Sree Kumara Gurudevan
- D:-Thycaud Ayya

Correct Answer:- Option-C

Question16:-Author of the book 'The God of Small Things'

- A:-Kamala Das
- B:-K.R. Meera
- C:-Mary Roy
- D:-Arundhathi Roy

Correct Answer:- Option-D

Question17:-Ottava is the capital of

- A:-Canada
- B:-Portugal
- C:-Italy
- D:-France

Correct Answer:- Option-A

Question18:-'Kalidas Samman', a prestigious award given by the state government of _____.

- A:-Andhra Pradesh
- B:-Uttar Pradesh
- C:-Madhya Pradesh

D:-Gujarath

Correct Answer:- Option-C

Question19:-Dhanraj Pillay is related to

A:-Hockey

B:-Football

C:-Tennis

D:-Badminton

Correct Answer:- Option-A

Question20:-The first film directed by G. Aravindan

A:-Kanchanaseetha

B:-Thampu

C:-Vastuhara

D:-Uttarayanam

Correct Answer:- Option-D

Question21:-The ultimate tensile stress of mild steel compared to ultimate compressive stress is

A:-same

B:-more

C:-less

D:-unpredictable

Correct Answer:- Option-B

Question22:-Shear stresses on mutually perpendicular planes are

A:-zero

B:-maximum

C:-minimum

D:-equal

Correct Answer:- Option-D

Question23:-A long column fails by

A:-crushing

B:-tension

C:-shearing

D:-buckling

Correct Answer:- Option-D

Question24:-If the modulus of elasticity is equal to zero, the material is said to be

A:-flexible

B:-rigid

C:-plastic

D:-prismatic

Correct Answer:- Option-B

Question25:-Principal planes are planes having

A:-maximum shear stress

B:-no shear stress

C:-minimum shear stress

D:-none of the above

Correct Answer:- Option-A

Question26:-Shear force is

A:-rate of change of loading

B:-sum of bending moments

C:-rate of change of bending moment

D:-none of the above

Correct Answer:- Option-C

Question27:-In short columns, failure occurs by

A:-pure buckling

B:-combination of bending and direct compression

C:-direct compression only

D:-none of the above

Correct Answer:- Option-C

Question28:-The workability of concrete can be improved by the addition of the following compounds

A:-iron

B:-sodium

C:-zinc

D:-sulphur

Correct Answer:- Option-C

Question29:-The split strength of cement can be determined by

A:-Brazilion test

B:-Vicat's apparatus

C:-Cube test

D:-Briquettes test

Correct Answer:- Option-A

Question30:-Under constant load the creep strain in concrete is

A:-time dependent

B:-temperature dependent

C:-moisture dependent

D:-none of the above

Correct Answer:- Option-A

Question31:-In order to have segregation in concrete dropping height should not be less than

A:-25 cm

B:-50 cm

C:-100 cm

D:-250 cm

Correct Answer:- Option-B

Question32:-The ratio of Young's modulus of elasticity for steel to that of concrete is known as

A:-Poisson's ratio

B:-Modular ratio

C:-Bulk modulus

D:-Elasticity

Correct Answer:- Option-B

Question33:-The modulus of elasticity for mild steel is approximately equal to

A:-10 KN/mm²

B:-80 KN/mm²

C:-100 KN/mm²

D:-210 KN/mm²

Correct Answer:- Option-D

Question34:-The tensile test is carried on _____ materials.

A:-malleable

B:-brittle

C:-ductile

D:-plastic

Correct Answer:- Option-C

Question35:-The neutral axis of a beam is subjected to _____ stress.

A:-maximum tensile

B:-minimum tensile

C:-maximum compressive

D:-zero

Correct Answer:- Option-D

Question36:-The most efficient section of a channel is

A:-triangular

B:-rectangular

C:-square

D:-trapezoidal

Correct Answer:- Option-D

Question37:-Water belongs to

A:-Newtonian fluids

B:-Non-Newtonian fluids

C:-Compressible fluids

D:-None of these

Correct Answer:- Option-A

Question38:-Geologically, marble is known as

A:-Sedimentary rocks

- B:-Igneous rocks
- C:-Metamorphic rocks
- D:-All the above

Correct Answer:- Option-C

Question39:-The tendency of a stone to split along

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

Correct Answer:- Option-B

Question40:-The frog of a brick is normally made on its

- A:-bottom face
- B:-top face
- C:-longer face
- D:-shorter face

Correct Answer:- Option-B

Question41:-The water supply schemes are generally designed for a design period of

- A:-50 years
- B:-30 years
- C:-10 years
- D:-5 years

Correct Answer:- Option-B

Question42:-An infiltration gallery is a

- A:-tube well
- B:-artesian well
- C:-vertical well with arms
- D:-horizontal well

Correct Answer:- Option-D

Question43:-Socket and spigot joint is used

- A:-C.I. pipes
- B:-Concrete pipes
- C:-A.C. pipes
- D:-G.I. pipes

Correct Answer:- Option-A

Question44:-The permissible turbidity in mg/l for potable water is

- A:-30-40
- B:-20-30
- C:-10-15
- D:-5-10

Correct Answer:- Option-D

Question45:-Alum is used for

- A:-disinfection
- B:-removal of odour and taste
- C:-removal of hardness
- D:-coagulation

Correct Answer:- Option-D

Question46:-Odour and taste is controlled by

- A:-disinfection
- B:-coagulation
- C:-aeration
- D:-soda-lime process

Correct Answer:- Option-C

Question47:-Pressure filters are used for

- A:-urban water supply
- B:-rural water supply
- C:-swimming pools
- D:-ground water

Correct Answer:- Option-C

Question48:-Valves which allows water in one direction only is known as

A:-reflux valve

B:-air valve

C:-scour valve

D:-sluice valve

Correct Answer:- Option-A

Question49:-The liquid waste of the community is called

A:-sullage

B:-sewage

C:-garbage

D:-storm water

Correct Answer:- Option-B

Question50:-Sanitary sewage is also known as

A:-storm water flow

B:-domestic flow

C:-dry weather flow

D:-combined sewage flow

Correct Answer:- Option-C

Question51:-The type of dam which requires least maintenance is

A:-concrete dam

B:-gravity dam

C:-timber dam

D:-rockfill dam

Correct Answer:- Option-B

Question52:-The major overturning force in the case of gravity dam

A:-self-weight

B:-water pressure

C:-silt pressure

D:-wind pressure

Correct Answer:- Option-D

Question53:-The most common type of spillway used in gravity dam is

A:-Ogee spillway

B:-Siphon spillway

C:-Side channel spillway

D:-None of these

Correct Answer:- Option-A

Question54:-Gibb's module is a type of

A:-non-modular outlet

B:-semi module outlet

C:-rigid module outlet

D:-none of these

Correct Answer:- Option-C

Question55:-The top of the weir or spillway is called

A:-ridge

B:-core

C:-crest

D:-peak

Correct Answer:- Option-C

Question56:-Bitumen is soluble in

A:-ammonia

B:-carbon disulphide

C:-petrol

D:-diesel

Correct Answer:- Option-B

Question57:-Abrasion test is conducted to find

A:-hardness of aggregate

B:-toughness of aggregate

C:-durability of aggregate

D:-strength of aggregate

Correct Answer:- Option-A

Question58:-The best type of ballast is

- A:-granite
- B:-sand stone
- C:-limestone
- D:-quartzite

Correct Answer:- Option-D

Question59:-In Indian railways, the spikes used for holding flat footed rails on wooden sleepers are known as

- A:-dog spikes
- B:-screw spikes
- C:-round spikes
- D:-elastic spikes

Correct Answer:- Option-A

Question60:-A track is elastic mainly because of

- A:-rails
- B:-ballast
- C:-sleepers
- D:-formation

Correct Answer:- Option-B

Question61:-Laterite is an example of

- A:-argillaceous rock
- B:-volcanic rock
- C:-organic rock
- D:-siliceous rock

Correct Answer:- Option-A

Question62:-The vertical sides of opening for doors and window are called

- A:-jambs
- B:-reveals
- C:-buttresses
- D:-pilasters

Correct Answer:- Option-A

Question63:-The approximate weight of a brick should be

- A:-2.5 kg
- B:-3.2 kg
- C:-4.5 kg
- D:-5.1 kg

Correct Answer:- Option-B

Question64:-The setting of quick lime is due to the presence of

- A:-water
- B:-sulphur dioxide
- C:-oxygen
- D:-carbon dioxide

Correct Answer:- Option-D

Question65:-Turpentine oil is used in paints as

- A:-thinner
- B:-base
- C:-carriers
- D:-drier

Correct Answer:- Option-A

Question66:-The steel used for making rail tracks is

- A:-tungsten steel
- B:-manganese steel
- C:-vanadium steel
- D:-nickel steel

Correct Answer:- Option-B

Question67:-The main ingredient in the manufacture of glass is

- A:-lime
- B:-soda
- C:-silica
- D:-potash

Correct Answer:- Option-C

Question68:-The covering on the exposed top of a wall is called

- A:-cornice
- B:-corbel
- C:-coping
- D:-cramp

Correct Answer:- Option-C

Question69:-Critical path

- A:-is always longest
- B:-is always longest
- C:-may be longest
- D:-may be shortest

Correct Answer:- Option-B

Question70:-CPM network is

- A:-event oriented
- B:-activity oriented
- C:-slack oriented
- D:-float oriented

Correct Answer:- Option-B

Question71:-Mode of transportation for alluvial soils is generally

- A:-wind
- B:-ice
- C:-water
- D:-gravity

Correct Answer:- Option-C

Question72:-Cohesionless soils are formed due to

- A:-oxidation of rocks
- B:-leaching action of water on rocks
- C:-blowing of cold and hot wind
- D:-physical disintegration of rocks

Correct Answer:- Option-D

Question73:-Permeability of soil varies

- A:-inversely as square of grain size
- B:-as square of grain size
- C:-as grain size
- D:-inversely as grain size

Correct Answer:- Option-B

Question74:-A soil having uniformity co-efficient more than 10 is called

- A:-uniform
- B:-fine
- C:-coarse
- D:-well graded

Correct Answer:- Option-D

Question75:-If the plasticity index of a soil mass is zero, the soil is

- A:-sand
- B:-silt
- C:-clay
- D:-clayey silt

Correct Answer:- Option-A

Question76:-Effective size of soil is

- A:-D10
- B:-D30
- C:-D60
- D:-D90

Correct Answer:- Option-A

Question77:-Which of the following is cohesive soil?

- A:-Clay
- B:-Red earth
- C:-Black cotton soil

D:-Compacted ground

Correct Answer:- Option-C

Question78:-Handles of chains are made up of

A:-mild steel

B:-galvanised iron

C:-brass

D:-copper

Correct Answer:- Option-C

Question79:-Distance between two neighbouring brass rings is

A:-less than 20 cm

B:-20 cm

C:-1 m

D:-5 m

Correct Answer:- Option-C

Question80:-Due to curvature of earth the object

A:-looks higher than it is

B:-looks lower than it is

C:-looks as it is

D:-looks curved

Correct Answer:- Option-B

Question81:-Generally while chaining, the arrows which accompany with one chain must be

A:-12 nos

B:-10 nos

C:-5 nos

D:-3 nos

Correct Answer:- Option-B

Question82:-Generally the limiting length of an offset should be

A:-5 m

B:-15 m

C:-30 m

D:-50 m

Correct Answer:- Option-B

Question83:-In rise and fall method, a complete check is provided on the calculations of

A:-back sight

B:-fore sight

C:-intermediate sights

D:-all the sights

Correct Answer:- Option-D

Question84:-The straight line tangential to the longitudinal curve of the level tube at its centre is called as

A:-horizontal axis

B:-trunnion axis

C:-stadia line

D:-axis of the bubble tube

Correct Answer:- Option-D

Question85:-The axis about which the telescope and the vertical circle of a theodolite rotate in the vertical plane is called

A:-vertical axis of the telescope

B:-bubble axis

C:-trunnion axis

D:-axis of the level tube

Correct Answer:- Option-C

Question86:-The maximum tolerance in a 20 m chain is

A:-2 mm

B:-3 mm

C:-5 mm

D:-8 mm

Correct Answer:- Option-C

Question87:-The size of a plane table is

A:-750 mm × 900 mm

B:-600 mm × 750 mm

C:-450 mm × 600 mm

D:-300 mm × 450 mm

Correct Answer:- Option-B

Question88:-The direct cost of a project with respect to normal time is

A:-minimum

B:-maximum

C:-zero

D:-infinite

Correct Answer:- Option-A

Question89:-The weight of an item is measured correct to nearest

A:-0.25 kg

B:-0.50 kg

C:-0.75 kg

D:-1.00 kg

Correct Answer:- Option-D

Question90:-The expected out turn of cement concrete 1:2:4 per mason per day is

A:-1.5 `m^3`

B:-2.5 `m^3`

C:-3.5 `m^3`

D:-5.0 `m^3`

Correct Answer:- Option-D

Question91:-A Gantt chart indicates

A:-balance of work to be done

B:-efficiency of project work

C:-comparison of actual process with the scheduled progress

D:-progress cost of project

Correct Answer:- Option-C

Question92:-The pitch of stair should never exceed

A:-40°

B:-30°

C:-25°

D:-20°

Correct Answer:- Option-A

Question93:-Puzzolanais essentially a silicious material containing clay upto

A:-80%

B:-60%

C:-40%

D:-20%

Correct Answer:- Option-A

Question94:-The surface area of A0 drawing sheet is

A:-0.5 `m^2`

B:-1 `m^2`

C:-1.44 `m^2`

D:-2 `m^2`

Correct Answer:- Option-B

Question95:-A conic which have only one directrix

A:-ellipse

B:-circle

C:-hyperbola

D:-parabola

Correct Answer:- Option-D

Question96:-Which modify command allows you to cut off unwanted lengths of objects

A:-Cut

B:-Trim

C:-Extend

D:-Move

Correct Answer:- Option-B

Question97:-Restoring deleted files from the recycle bin can be done by using _____ command

A:-undo

- B:-redo
- C:-restore
- D:-delete

Correct Answer:- Option-C

Question98:-_____ is the command used in convert polyline to line.

- A:-explode
- B:-join
- C:-extent
- D:-extrim

Correct Answer:- Option-A

Question99:-The most widely used antenna in GPS is

- A:-microstrip antenna
- B:-parabolid antenna
- C:-horn antenna
- D:-slotted antenna

Correct Answer:- Option-A

Question100:-Which of the following is not a type of map projection?

- A:-Azimuthal
- B:-Cylindrical
- C:-Conic
- D:-Geographic

Correct Answer:- Option-D