

PROVISIONAL ANSWER KEY

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Question1:-Who has been the Cabinet Secretary of central government in the year 2015?

- A:-Jiji Thomson
 - B:-K.M. Chandrasekhar
 - C:-Pradeep Kuman Sinha
 - D:-Neeraj Kumar Misra
- Correct Answer:- Option-C

Question2:-Georges Sorel had been a philosopher of _____

- A:-Socialism
 - B:-Fascism
 - C:-Liberalism
 - D:-Zionism
- Correct Answer:- Option-B

Question3:-Where did Vaikunda Swamikal dig a well called muttirikinaru to break caste rules?

- A:-Tiruchendur
 - B:-Muttapathi
 - C:-Swamithoppu
 - D:-Suchindram
- Correct Answer:- Option-C

Question4:-Who was the founder of 'mitavadi'?

- A:-Murkoth Kumaran
 - B:-C. Krishnan
 - C:-C.V. Kunjiraman
 - D:-Sahodaran Ayyapan
- Correct Answer:- Option-A

Question5:-In which of the following place, the Basel Mission set up a tile factory?

- A:-Puthiyara
 - B:-Attingal
 - C:-Thalaseery
 - D:-Jeppu
- Correct Answer:- Option-A

Question6:-Muzdoor Kisan Sakti had been an important landmark in the history of Right to Information Act. Who founded it?

- A:-Anna Hazare
 - B:-Aravind Kejariwal
 - C:-Testa Sethelvad
 - D:-Aruna Roy
- Correct Answer:- Option-D

Question7:-In which year, the novel Les Miserables being transilated to malayalam as Pavangal by Nalapattu Narayanamenon?

- A:-1921
 - B:-1925
 - C:-1916
 - D:-1938
- Correct Answer:- Option-B

Question8:-Which of the following novel of S.K. Pottakatt tells the story of migration of farmers from Travancore to Malabar?

- A:-Nadanpremam
 - B:-Oru Deshathinte Katha
 - C:-Vishakanyaka
 - D:-Oru Theruvinte Katha
- Correct Answer:- Option-C

Question9:-Where was P. Krishna Pillai born?

- A:-Vaikom
- B:-Muhamma
- C:-Kollam
- D:-Punnapra

Correct Answer:- Option-A

Question10:-Which of the following women leader organized Desasevika Sangh against the rule of C.P. Ramaswamy Ayyar?

- A:-Anna Chandy
- B:-Akkamma Cherian
- C:-Lalita Prabhu
- D:-Annie Muskrine

Correct Answer:- Option-B

Question11:-Who is the first women graduate in India?

- A:-Renuka Mitra
- B:-Sarojini Naidu
- C:-Captian Lakshmi
- D:-Kadambari Ganguly

Correct Answer:- Option-D

Question12:-Which was the first joint stock company in Travancore?

- A:-Quilon Bank
- B:-Nasarani Deepika
- C:-Malayala Manorama
- D:-Muthoot

Correct Answer:- Option-C

Question13:-Where is the headquarters of Mountain Strike Core of Indian Army?

- A:-Mussori
- B:-Bangalore
- C:-Pune
- D:-Shimla

Correct Answer:- Option-B

Question14:-Which Malayalam film won the national award for the best movie on environmental conservation and preservation in 2015?

- A:-Jalolsavam
- B:-Ottal
- C:-Vettilekula Vazhi
- D:-Ain

Correct Answer:- Option-B

Question15:-The 42nd amendment of Indian Constitution in 1976 incorporated two terms in Preamble. Which are they?

- A:-Socialist, Secular
- B:-Secular, Democratic
- C:-Socialist, Republic
- D:-Democratic, Republic

Correct Answer:- Option-A

Question16:-Food Security Act has 13 chapters and _____ schedules.

- A:-2
- B:-6
- C:-5
- D:-4

Correct Answer:- Option-D

Question17:-Name the party of Aung San Suu Kyi which won the national election in Myanmar in 2015?

- A:-Peace and Justice Party
- B:-Union Solidarity and Development Party
- C:-Myanmar Welfare Party
- D:-National League for Democracy

Correct Answer:- Option-D

Question18:-In which year, The Protection of Children from Sexual Offense Act [POCSO] was passed?

- A:-2013
- B:-2015
- C:-2012
- D:-2011

Correct Answer:- Option-C

Question19:-Which day is celebrated as world diabetes day?

- A:-November 14
- B:-September 21
- C:-October 16
- D:-December 1

Correct Answer:- Option-A

Question20:-Which country is elected as non permanent member in UN Security Council from Asia-Pacific region in 2015?

- A:-Malaysia
- B:-Bangladesh
- C:-Philippines
- D:-Japan

Correct Answer:- Option-D

Question21:-Injection of fuel in CI engines commence at an angle of

- A:-30° - 45° BTDC
- B:-10° - 30° BTDC
- C:-5° - 10° BTDC
- D:-2° - 5° ATDC

Correct Answer:- Option-C

Question22:-The type of seed metering device commonly used in Indian seed cum fertilizer drill is

- A:-Fluted roller type
- B:-Cell feed type
- C:-Gravity feed type
- D:-Interval double run type

Correct Answer:- Option-A

Question23:-Indigenous plough is a

- A:-Primary tillage tool
- B:-Secondary tillage tool
- C:-Multipurpose tool
- D:-None of the above

Correct Answer:- Option-C

Question24:-An implement that pulled and guided by single hitch point of tractor is

- A:-Mounted implement
- B:-Semi mounted implement
- C:-Trailed implement
- D:-None of these

Correct Answer:- Option-C

Question25:-The mover cutter bar needs the following two important adjustments

- A:-Speed and knife gap
- B:-Registration and alignment
- C:-Vertical and inclined height
- D:-Pitman and shoe length

Correct Answer:- Option-B

Question26:-Coulters are used along with

- A:-Sub-soiler
- B:-Chisel plough
- C:-Disc plough
- D:-Mould board plough

Correct Answer:- Option-D

Question27:-The depth of a normal ploughing is

- A:-45 cm
- B:-35 cm
- C:-25 cm
- D:-15 cm

Correct Answer:- Option-D

Question28:-The mowers are designed to cut

- A:-Paddy
- B:-Wheat
- C:-Grasses

D:-All of the above

Correct Answer:- Option-C

Question29:-The force resisting the slipping of palm climbing machines increases with

A:-increase in load on the palm climber

B:-decrease in load on the palm climber

C:-smoothness of the palm surface

D:-erectness of the palm

Correct Answer:- Option-A

Question30:-The following is a non fermented product from coconut

A:-Toddy

B:-Feni

C:-Neera

D:-Cider

Correct Answer:- Option-C

Question31:-The length of one link in a 30 m metric chain is

A:-40 cm

B:-30 cm

C:-20 cm

D:-None of the above

Correct Answer:- Option-C

Question32:-The instrument used for setting out right angles is called

A:-clinometers

B:-cross staff

C:-perambulator

D:-alidade

Correct Answer:- Option-B

Question33:-Area irrigated by a dam is called

A:-Ayacut

B:-Upstream side

C:-Reservoir

D:-Catchment area

Correct Answer:- Option-A

Question34:-Among the following, which represents the irrigating capacity of unit of water?

A:-Consumptive use efficiency

B:-Duty

C:-Delta

D:-Application efficiency

Correct Answer:- Option-B

Question35:-Among the following which is not a drip irrigation component?

A:-Parshall flume

B:-LDPE lateral pipe

C:-Screen filter

D:-Pressure gauge

Correct Answer:- Option-A

Question36:-The difference between the static water level and the pumping water level at any instant is known as

A:-line of influence

B:-specific capacity

C:-well yield

D:-draw down

Correct Answer:- Option-D

Question37:-The cavity wells with blind pipe

A:-have strainers and water enters from both bottom and sides

B:-have strainers and water enters from bottom only

C:-do not have strainers and water enters from bottom only

D:-do not have strainers and water enters from sides only

Correct Answer:- Option-C

Question38:-Surging is a method employed for

A:-digging a tube well

B:-developing a tube well

C:-Pumping from tube well

D:-None of the above

Correct Answer:- Option-B

Question39:-If the drainage from 250 ha. of land area is 0.2 cubic meters per second, then the drainage coefficient of that area will be

A:-50 cubic meters

B:-69 cubic meters

C:-69 cm

D:-0.69 cm

Correct Answer:- Option-D

Question40:-The process of filling the suction pipe and casing with water before starting pumping is known as

A:-Surging

B:-Priming

C:-Drilling

D:-Pumping

Correct Answer:- Option-B

Question41:-The Kyoto Protocol was negotiated in the year

A:-2002

B:-1987

C:-1977

D:-1997

Correct Answer:- Option-D

Question42:-Hotspots are areas having

A:-More ecosystem diversity

B:-Exceptional concentrations of endemic species

C:-More species diversity

D:-High temperature

Correct Answer:- Option-B

Question43:-CAI (Current Annual Increment) in relation to tree growth means

A:-the increment over a period of one year at any stage in the tree's history

B:-the mean annual increment over the whole period from origin to a specific age

C:-the increment as a mean over a period of years

D:-none of the above

Correct Answer:- Option-A

Question44:-Timber or logs stored for a long time before processing can be protected from fungi and insects by

A:-Keeping the logs exposed to sunlight

B:-Piling the logs under shade

C:-Keeping the logs submerged in a pond of water

D:-Properly stacking and covering the logs

Correct Answer:- Option-C

Question45:-Pre-harvest silvicultural treatment of forest crop trees at any stage after initial planting or seeding

A:-Training

B:-Pegging

C:-Pruning

D:-Tending

Correct Answer:- Option-D

Question46:-Choose the one which is not a seed treatment method

A:-Scarification

B:-Drying

C:-Stratification

D:-Hot water treatment

Correct Answer:- Option-B

Question47:- _____ is not an example of minor forest produce.

A:-Tamarind

B:-Cane

C:-Timber

D:-Soapnut

Correct Answer:- Option-C

Question48:-Turpentine is extracted from

- A:-Boswellia sp.
- B:-Pinus sp.
- C:-Commiphora
- D:-Cedrus

Correct Answer:- Option-B

Question49:-The Biological Diversity Bill, 2000 does not have an appropriate legislation for

- A:-Biodiversity conservation
- B:-Benefit sharing of bio resources
- C:-Protection of traditional knowledge
- D:-Patent protection

Correct Answer:- Option-C

Question50:-The most important factor determining natural durability of wood is

- A:-Toxic extractives
- B:-Aspirated pits
- C:-Lack of nutrients
- D:-Low moisture content

Correct Answer:- Option-A

Question51:-Change in a vegetation community can be measured using

- A:-Cover
- B:-Frequency
- C:-Density
- D:-Plant biomass

Correct Answer:- Option-B

Question52:-Vegetation cover is

- A:-The total cover of vegetation on a site
- B:-The area of ground covered by the vertical projection of the aerial portions of the plants
- C:-The cover of plants, litter, rocks and gravel on a site
- D:-The area of ground surface occupied by the basal portion of the plants

Correct Answer:- Option-A

Question53:-Variable density thinning is done to

- A:-To create a desired balance between individual tree attributes
- B:-To create structural and spatial heterogeneity
- C:-To improve the growth rate or health of the remaining trees
- D:-To remove trees having little or no economic value

Correct Answer:- Option-B

Question54:-The article in the Indian constitution which provides for specific provision for the protection and improvement of the Environment is

- A:-Article 58-A
- B:-Article 48-A
- C:-Article 48-B
- D:-Article 68-A

Correct Answer:- Option-B

Question55:-Carbon is held in the terrestrial system in

- A:-Vegetation
- B:-Soils
- C:-Fossil fuels
- D:-All of the above

Correct Answer:- Option-D

Question56:-Select the one which is not a fast wood species

- A:-Acacia
- B:-Teak
- C:-Poplar
- D:-Rose wood

Correct Answer:- Option-D

Question57:-A method of preserving wood involving impregnation with copper sulfate under pressure is called

- A:-Boucherie process
- B:-Lowry process
- C:-Bethell process
- D:-Luping process

Correct Answer:- Option-A

Question58:-Environmental Impact Assessment report will not be required for

- A:-Mining
- B:-Major irrigation project
- C:-Hydropower project
- D:-Pipeline projects

Correct Answer:- Option-D

Question59:-Select the plant species which do not produce recalcitrant seeds

- A:-Mango
- B:-Avacado
- C:-Rubber tree
- D:-Date palm

Correct Answer:- Option-D

Question60:-Intumescent are types of fire retardant materials which

- A:-Add chemicals which provide better insulation
- B:-Form a layer of carbonaceous char on the fuel surface
- C:-Break down polymers so that they melt and flow away from the flame
- D:-Interrupt chemical reactions in the flame

Correct Answer:- Option-A

Question61:-Khaira disease in rice is due to

- A:-Zinc deficiency
- B:-Boron deficiency
- C:-Nitrogen deficiency
- D:-Calcium deficiency

Correct Answer:- Option-A

Question62:-Monocarpic plant species

- A:-Flower only once and then they die
- B:-Flower more than once in its life cycle
- C:-Shows overlapping of vegetative and reproductive periods
- D:-None of the above

Correct Answer:- Option-A

Question63:-The element which helps in stomatal opening and closing of plants is

- A:-K
- B:-Ca
- C:-P
- D:-N

Correct Answer:- Option-A

Question64:-_____ is the phenomenon in which the seeds fail to germinate for want of a particular environmental factor.

- A:-Seed dormancy
- B:-Seed viability loss
- C:-Quiescence
- D:-Dormancy

Correct Answer:- Option-C

Question65:-_____ is the fatal disease of areca palms caused by Phytophthora palmivora.

- A:-Root rot
- B:-Die back
- C:-Foot rot
- D:-Bud rot

Correct Answer:- Option-D

Question66:-The ratio between current assets and current liabilities is referred as

- A:-Net capital ratio
- B:-Capital ratio
- C:-Current ratio
- D:-Working capital ratio

Correct Answer:- Option-C

Question67:-In which stage of the farming system research, the design of an overall on-farm research strategy is undertaken with specific technology and farm management interventions specified for on-farm testing?

- A:-Research design stage

B:-On-farm research and evaluation stage

C:-Planning stage

D:-Dissemination and maintaining stage

Correct Answer:- Option-A

Question68:-Sapota is a _____ fruit harvested at physiological maturity and ripened artificially for use.

A:-Non-Climateric fruit

B:-Climateric fruit

C:-Stone fruit

D:-None of the above

Correct Answer:- Option-B

Question69:- _____ is a methodology for interacting with villagers and seeking their participation in putting forward their views about problems, analysing them and utilizing the information to acquire learning.

A:-Group interview

B:-Indigenous rural method

C:-Participatory rural appraisal

D:-Participatory rural development

Correct Answer:- Option-C

Question70:-The best period to open new areas for tapping in rubber is

A:-January - February

B:-March - April

C:-May - June

D:-August - September

Correct Answer:- Option-B

Question71:-Interview yellowing in rubber is due to _____ deficiency.

A:-Manganese

B:-Magnesium

C:-Nitrogen

D:-Sulphur

Correct Answer:- Option-B

Question72:-Palm oil is obtained from the fleshy mesocarp of fruits, which contains _____ percent oil.

A:-25-35

B:-45-55

C:-36-40

D:-15-34

Correct Answer:- Option-B

Question73:-Coconut belongs to the family _____.

A:-Arecaceae

B:-Palmaceae

C:-Poaceae

D:-None of the above

Correct Answer:- Option-A

Question74:-Ethylene is a _____.

A:-Natural growth inhibitor

B:-Synthetic growth inhibitor

C:-Growth retardant

D:-None of the above

Correct Answer:- Option-A

Question75:-The phenomenon noticed in some plants, that they require low temperature in addition to an appropriate photoperiod for subsequent flowering is referred as _____.

A:-Stratification

B:-Scarification

C:-Vernalisation

D:-Phytochrome response

Correct Answer:- Option-C

Question76:-Zeatin is the most abundant naturally occurring

A:-Auxin

B:-Gibberellin

C:-Cytokinin

D:-Ethylene

Correct Answer:- Option-C

Question77:-The most commonly used tissue explants in plant tissue culture are the _____.

A:-Seeds

B:-Meristematic ends of plants

C:-Stem cuttings

D:-Leaves

Correct Answer:- Option-B

Question78:-An un-organised mass of proliferative cells produced in plant tissue culture is referred as

A:-Cell culture

B:-Plant tissue culture

C:-Undifferentiated cells

D:-Callus

Correct Answer:- Option-D

Question79:-Which are the vitamins found in coconut water?

A:-vitamin 'C' and vitamin 'B'

B:-vitamin 'C' and vitamin 'A'

C:-vitamin 'C' and vitamin 'K'

D:-vitamin 'B' and vitamin 'K'

Correct Answer:- Option-A

Question80:-Biocontrol agents found effective against rhinoceros beetle are

A:-Baculovirus and green muscardine fungus

B:-Coccinellids and red muscardine fungus

C:-Coleopteran predators and coccinellids

D:-None of the above

Correct Answer:- Option-A

Question81:-The father of rubber plantation industry in the far east

A:-Henry Wickham

B:-Joseph Priestly

C:-J.J. Murphy

D:-Joseph Hooker

Correct Answer:- Option-A

Question82:-The position of India in natural rubber production in the world is

A:-second

B:-fourth

C:-fifth

D:-third

Correct Answer:- Option-D

Question83:-In productivity of natural rubber India's position in the world is

A:-first position

B:-second position

C:-third position

D:-fourth position

Correct Answer:- Option-A

Question84:-Concentrated latex has an ammonia content of 0.7% on

A:-total phase

B:-water phase

C:-latex phase

D:-none of the above

Correct Answer:- Option-A

Question85:-The major components in the NRC of natural rubber latex are

A:-Proteins

B:-Resins

C:-Carbohydrates

D:-All of (1), (2) and (3)

Correct Answer:- Option-D

Question86:-In normal latex pre-coagulation occurs

A:-4-6 hrs

B:-1-2 hrs

C:-2-3 hrs

D:-6-8 hrs

Correct Answer:- Option-A

Question87:-The protein content in field latex is

A:-1.0-1.5

B:-1.5-2.0

C:-2.0-3.0

D:-3.0-3.5

Correct Answer:- Option-C

Question88:-Ribbing is given on the rubber sheet to

A:-Fast drying

B:-Increase surface area

C:-Easy removal of water

D:-All of (1), (2) and (3)

Correct Answer:- Option-D

Question89:-Permissible level of dirt in ISNR 5L is

A:-0.45

B:-0.5

C:-0.55

D:-0.6

Correct Answer:- Option-B

Question90:-India is the _____ largest consumer of natural rubber.

A:-fourth

B:-second

C:-third

D:-none of the above

Correct Answer:- Option-C

Question91:-Particle size of cream rubber is in the range of

A:-450-475 nm

B:-400-425 nm

C:-500-525 nm

D:-200-225 nm

Correct Answer:- Option-A

Question92:-The moisture content of rubber wood when reduced by kiln drying it improves

A:-strength

B:-makes it lighter

C:-resistant to cracking

D:-all of (1), (2) and (3)

Correct Answer:- Option-D

Question93:-The maximum coagulum content in centrifuged latex as per BIS is

A:-0.03

B:-0.05

C:-0.07

D:-0.08

Correct Answer:- Option-B

Question94:-Economic life period of rubber plantation is

A:-32 years

B:-40 yrs

C:-45 yrs

D:-None of the above

Correct Answer:- Option-A

Question95:-The major pollutants from a natural rubber processing factory have high organic content and emit an offensive smell due to

A:-The biodegradation of the organic matter

B:-Oxidative degradation of rubber

C:-Biodegradation of rubber

D:-All of (1), (2) and (3)

Correct Answer:- Option-A

Question96:-The gas from the biogas plant using sheet effluents contains toxic hydrogen sulphide (H₂S), the percentage of which is

- A:-more than in gobar gas
- B:-less than in gobar
- C:-equal to that in gobar gas
- D:-5%

Correct Answer:- Option-A

Question97:-Most important asset record kept in the rubber plantation is

- A:-building register
- B:-rubber crop register
- C:-rubber tree census register
- D:-labour muster register

Correct Answer:- Option-C

Question98:-Labour Disputes and Disciplinary Action in rubber plantation comes under the preview of

- A:-Industrial Dispute Act
- B:-Plantation Labour Act
- C:-Employees Provident Fund Act
- D:-Workmen Compensation Act

Correct Answer:- Option-A

Question99:-Major Daily cost in the Rubber plantation is

- A:-wages of the tappers
- B:-wages of the general workers
- C:-processing cost of Latex and scrap
- D:-upkeep cost of plant and machinery

Correct Answer:- Option-A

Question100:-Rubber board comes under which ministry

- A:-Govt. of Kerala Agriculture
- B:-Central Ministry for Industries
- C:-Central Ministry for Commerce
- D:-Central Ministry for Labours

Correct Answer:- Option-C