

- Question No. 1

The excretory organ of silkworm which is located at the junction of the midgut and hindgut.

Options :

1. Proboscis
2. Malpighian tubules
3. Nephridia
4. Green glands
5. None

Answer : Malpighian tubules

- Question No. 2

GnRH released from which organ?

Options :

1. Hypothalamus
2. Ovary
3. Thyroid Gland
4. Pancreas
5. Uterus

Answer : Hypothalamus

- Question No. 3

Type of silviculture system which can regenerate through seeds and majority have a long life is ____

Options :

1. Pollarding
2. High forest

- 3. Coppicing
- 4. Forking
- 5. None

Answer : High forest

• Question No. 4

Empty barrels, plastic containers or styrofoam bodies in cage culture can be used for the purpose?

Options :

- 1. Covering material
- 2. Float
- 3. Cage Cover
- 4. Feeding purpose
- 5. Sinkers

Answer : Float

• Question No. 5

During drying, some parts of the wood may dry rapidly while some may not. Because of this, improper drying shrinkage of wood occurs, that results in the defect called _____

Options :

- 1. Cracking
- 2. Twist
- 3. Collapse
- 4. Warp
- 5. Case hardening

Answer : Collapse

• Question No. 6

Sand percentage in sandy soil is ____

Options :

1. 40%
2. 60%
3. 80%
4. 20%
5. 45%

Answer : 80%

• Question No. 7

A destructive polyhedrosis disease of silkworm that is related to wilt and is marked by spotty yellowing of the skin and internal liquefaction also called jaundice ____

Options :

1. Pebrine
2. Grasseries
3. Flacherie
4. Aspergilliosis
5. None

Answer : Grasseries

• Question No. 8

Baby corn is harvested at which stage?

Options :

1. Before silking
2. Dough stage
3. Milking stage
4. After silking

5. After tasseling

Answer : After silking

- Question No. 9

Among the following is an example of an amide fertilizer?

Options :

1. Ammonium nitrate
2. Ammonium sulphate
3. Urea
4. CAN
5. Calcium nitrate

Answer : Urea

- Question No. 10

Red delicious is the variety of which fruit?

Options :

1. Mango
2. Apple
3. Banana
4. Guava
5. Cherry

Answer : Apple

- Question No. 11

The process of parturition in Rabbit is called as ____

Options :

1. Kidding
2. Kindling
3. Lambing
4. Calving
5. None of these

Answer : Kindling

• Question No. 12

The length of estrous cycle of sheep is _____

Options :

1. 21 days
2. 10 day
3. 15-18 days
4. 30 days
5. 2-3 days

Answer : 15-18 days

• Question No. 13

Among the following which is the component of Knowledge Consuming System (KCS)?

Options :

1. Farmer
2. Exhibition
3. Newspaper
4. Government agency
5. Universities

Answer : Farmer

- Question No. 14

Which secondary tillage operation is used for breaking of clods and pulverizing soil ?

Options :

1. Tilling
2. Inter-cultivation
3. Harrowing
4. Planking
5. Fertigation

Answer : Harrowing

- Question No. 15

Ufra disease in rice is caused by ____

Options :

1. Bacteria
2. Nematode
3. Virus
4. Fungus
5. None

Answer : Nematode

- Question No. 16

The term used to define the variation derived from any form of the cell or tissue culture is known as _____

Options :

1. Genetic Engineering
2. Somaclonal variation
3. Genetic Variation

4. Environmental Variation

5. None of the above

Answer : Somaclonal variation

• Question No. 17

Acidic soil does not contain which of the following property?

Options :

1. $>0.1\%$ salinity

2. Iron and Aluminium accumulated in soil

3. CEC is low; base saturation is low

4. pH is low

5. None

Answer : $>0.1\%$ salinity

• Question No. 18

Little Leaf of Brinjal is transmitted by?

Options :

1. Aphids

2. Planthopper- Hishimonus phycitis

3. Thrips

4. Birds

5. None of the above

Answer : Planthopper- Hishimonus phycitis

• Question No. 19

What is the botanical name of Sal tree?

Options :

1. Shorea robusta
2. Tectonia grandis
3. Grevillea robusta
4. Eucalyptus roxburghii
5. None of the above

Answer : Shorea robusta

• Question No. 20

What is the critical time period for the day light in long day plants?

Options :

1. 8-10 Hr
2. 10-12 Hr
3. 14-18 Hr
4. 20-24 Hr
5. None of the above

Answer : 14-18 Hr

• Question No. 21

The process of shrinkage of uterus of cow after birth & expansion & Relaxation of Mammary glands is called as_____

Options :

1. Uterus involution
2. Lactogenesis
3. Galactogenesis
4. Parturition
5. Kidding

Answer : Uterus involution

- Question No. 22

Which Himalayan breed of goat is found in Jammu & Kashmir, Himachal Pradesh with long horns, curled backwards, droopy ears, small teats and color is white but mostly brown or black and produces fine wool?

Options :

1. Gaddi
2. Sirohi
3. Osmanabadi
4. Malabari
5. None

Answer : Gaddi

- Question No. 23

The statutory body which is not under Ministry of Commerce and Industries?

Options :

1. Tobacco Board
2. Coffee Board
3. Rubber Board
4. Cardamom Board
5. Tea Board

Answer : Cardamom Board

- Question No. 24

A person performs vegetable cultivation, fishery, woody crops but that is for self consumption. It is called as

Options :

1. Agrisilviculture
2. Agrihortisilviculture

- 3. Agri-olericulture
- 4. Homestead agroforestry
- 5. none

Answer : Homestead agroforestry

• Question No. 25

Revolving Fund: DAY-NRLM, MoRD, would provide Revolving Fund (RF) support to SHGs in existence for a minimum period of 3/6 months and follow the norms of good SHGs, i.e. they follow 'Panchasutra' – regular meetings, regular savings, regular internal lending, regular recoveries and maintenance of proper books of accounts. Only such SHGs that have not received any RF earlier would be provided with RF, as corpus, with a minimum of _____ and up to a maximum of _____ per SHG. The purpose of RF is to strengthen their institutional and financial management capacity and build a good credit history within the group.

Options :

- 1. 10000-15000
- 2. 15000-20000
- 3. 25000-30000
- 4. 25000-50000
- 5. None of the above

Answer : 10000-15000

• Question No. 26

The curd is precipitated using rennet or any other enzyme and then filtered. What is formed from this?

Options :

- 1. Yoghurt
- 2. Cheese
- 3. Ghee
- 4. Butter
- 5. Cream

Answer : Cheese

• Question No. 27

The process of removal of stamens or anthers or killing the pollen of a flower without harming female reproductive organ is known as

Options :

1. Emasculation
2. Male sterility
3. Self incompatibility
4. Parthenogenesis
5. None of the above

Answer : Emasculation

• Question No. 28

Which scheme is providing guaranteed 100 Days employment unskilled and manual?

Options :

1. MGNREGA
2. NRLM
3. PMMSY
4. PMKSY
5. None of the above

Answer : MGNREGA

• Question No. 29

Which hormone is involved in conversion of glycogen to glucose?

Options :

1. Glucagon
2. Insulin
3. Testosterone
4. Progesterone
5. Somatotropin

Answer : Glucagon

• Question No. 30

During rainy and winter season how sowing of maize is done?

Options :

1. Ridges and furrows
2. Flat bed
3. Sunken bed
4. Any of them
5. None of them

Answer : Ridges and furrows

• Question No. 31

What is the ceiling of the financing limit under the ACABC Scheme for the group project established by the group of at least 5 Members trained under the scheme?

Options :

1. 20 lakh
2. 100 Lakh
3. 25 Lakh
4. 50 Lakh
5. 75 lakh

Answer : 100 Lakh

- Question No. 32

Crossing of the two different pair of alleles, having different traits is

Options :

1. Monohybrid
2. Dihybrid
3. Test Cross
4. Back cross
5. Top cross

Answer : Dihybrid

- Question No. 33

What is the limit of credit for FPOs under Priority sector lending for the agriculture production purpose?

Options :

1. 1 Cr
2. 5 Cr
3. 2 Cr
4. 10 Cr
5. 12.50 Cr

Answer : 5 Cr

- Question No. 34

The finfish which contributes maximum to the global aquaculture is

Options :

1. Silver carp
2. Common carp
3. Catla

4. Rohu
5. Grass carp

Answer : Grass carp

- Question No. 35

The scientific name of grass carp is.....

Options :

1. Ctenopharyngodon idella
2. Cyprinus carpio
3. Cirrihinus mirrigala
4. Labeo rohita
5. Catla catla

Answer : Ctenopharyngodon idella

- Question No. 36

The Rational equation is the simplest method to determine peak discharge from drainage basin runoff $Q=CIA$, C
Stands for

Options :

1. Peak discharge, cfs
2. Runoff coefficient
3. Rainfall intensity, inch/hour
4. Drainage area, acre
5. Runoff potential

Answer : Runoff coefficient

- Question No. 37

The old man cactus, is a species of cactus native to Hidalgo and Veracruz in central Mexico. Scientific name of old man Cactus is?

Options :

1. Cereus spp.
2. Echinocactus
3. Oerozem trails
4. Cephalocereus senilis
5. Opuntia humifusa

Answer : Cephalocereus senilis

• Question No. 38

What is the process by which the cow regurgitates previously consumed feed and chews it further ?

Options :

1. Digestion
2. Excretion
3. Absorption
4. Rumination
5. Bloating

Answer : Rumination

• Question No. 39

Which Institute of UN collects and maintains the data related to the food production consumption and hunger related information of various countries?

Options :

1. FSSAI
2. FCI
3. UNICEF

- 4. FAO
- 5. APEDA

Answer : FAO

- Question No. 40

Which post harvest process is done in Paddy before dehusking, involves partial boiling of the paddy before milling in order to increase its nutritial value, to change the texture of cooked rice, and reduce the breakage in milling.

Options :

- 1. Parboiling
- 2. Polishing
- 3. Dehusking
- 4. Winnowing
- 5. Polsenke value

Answer : Parboiling

- Question No. 41

The part of engine where ignition and mixing of fuel and air takes place and gases get sufficient place to mix air by which engine can produce power is

Options :

- 1. Crankshaft
- 2. Camshaft
- 3. Flywheel
- 4. Rocker's arm
- 5. Cylinder

Answer : Cylinder

- Question No. 42

The process of taking out threads from the cocoons, to obtain silk fibres is called.....

Options :

1. Reeling
2. Rolling
3. Processing
4. Extracting
5. Stifling

Answer : Reeling

• Question No. 43

.....is non-living organic matter within soil, derived from the microbial decomposition of plants and animals

Options :

1. Soil colloids
2. Lipids
3. Polysaccharides
4. Humus
5. Lignin

Answer : Humus

• Question No. 44

The process of removing the green colouring (known as chlorophyll) from the skin of citrus fruit. This is achieved by introducing measured amounts of ethylene gas into a temperature and humidity controlled environment. This is known as

Options :

1. Ripening
2. Degreening

3. Physiological maturity
4. Denavelling
5. Dehusking

Answer : Degreening

• Question No. 45

The Germination percentage in onion in case of certified seeds is

Options :

1. 90%
2. 99%
3. 85%
4. 80%
5. 70%

Answer : 70%

• Question No. 46

..... are a group of trees and shrubs that live in the coastal intertidal zone.

Options :

1. Deciduous trees
2. Evergreen trees
3. Mangrove trees
4. Shelterbelts
5. Chirpine

Answer : Mangrove trees

• Question No. 47

Quincunx system accommodates how much more plants than square system of planting?

Options :

1. 2 times
2. 1.5 times
3. 3 times
4. 4 times
5. 10 times

Answer : 2 times

• Question No. 48

The operation of pulsing is done for ____

Options :

1. To increase the shelf/vase life of flowers
2. To increase the shelf life of vegetables
3. To increase the shelf life of fruits
4. To increase the shelf life of plantation crops
5. To increase shining of fruits

Answer : To increase the shelf/vase life of flowers

• Question No. 49

The Fungus which causes soft rot and leakage of juices from fruits such as tomato, sweet potato etc. is

Options :

1. Erwinia cratovora
2. Rhizopus spp.
3. E. crysanthemii
4. E. areola
5. Plasmodophora viticola

Answer : Rhizopus spp.

- Question No. 50

It is a pest when it is a larva, feeding on crops as it grows in size till it pupates and remains dormant from August till end of May.

Options :

1. Red Hairy caterpillar
2. Castor semilooper
3. Tobacco caterpillar
4. Bihar hairy caterpillar
5. Leaf hopper

Answer : Red Hairy caterpillar

- Question No. 51

In a combine harvester, the ratio of reel peripheral speed to the forward speed should normally be in the range of

Options :

1. 0.25-0.50
2. 1.25-1.50
3. 3.00-3.50
4. 4.50-5.30
5. 5.55-8.75

Answer : 1.25-1.50

- Question No. 52

The disease is most severe during cool weather when heavy dews are present. The infection of virus due to which plant leaves converted to pale yellow. Name the disease?

Options :

1. Necrosis

2. Mottling
3. Ring spot
4. Blight
5. Wilt

Answer : Ring spot

• Question No. 53

Consider the following statements and choose the incorrect statement regarding sexual reproduction

Options :

1. Propagated through seeds
2. pollen gets transferred to the stigma the male gametes from pollen grains release and fuse with the egg
3. Pollen contains the male gametes
4. It helps in evolution of species
5. All are correct or None is incorrect

Answer : All are correct or None is incorrect

• Question No. 54

Power generated in engine cylinder and received by piston without frictional losses

Options :

1. IHP
2. BHP
3. FHP
4. PTO
5. None

Answer : IHP

• Question No. 55

Specialized system which is produced from the leaf axil at the crown of the plant and prostrate horizontally is known as

Options :

1. Sucker
2. Tuber
3. Runner
4. Offset
5. Rhizome

Answer : Runner

• Question No. 56

It consists of a series of hinged or fixed hammers attached to a shaft which rotates at high speed; peripheral speeds up to 100 m/s are possible. Such devices are used primarily for hard and brittle materials such as pepper, sugar, dried milk, dried vegetables and spices. Device is

Options :

1. Hammer type
2. Tooth spike
3. Drum type thresher
4. Syndicate type thresher
5. None

Answer : Hammer type

• Question No. 57

The sum of lignin and polysaccharides that are not digested by endogenous secretion of digestive tract

Options :

1. Lipid

2. Polysaccharides
3. Starch
4. Dietary fibres
5. Amides

Answer : Dietary fibres

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