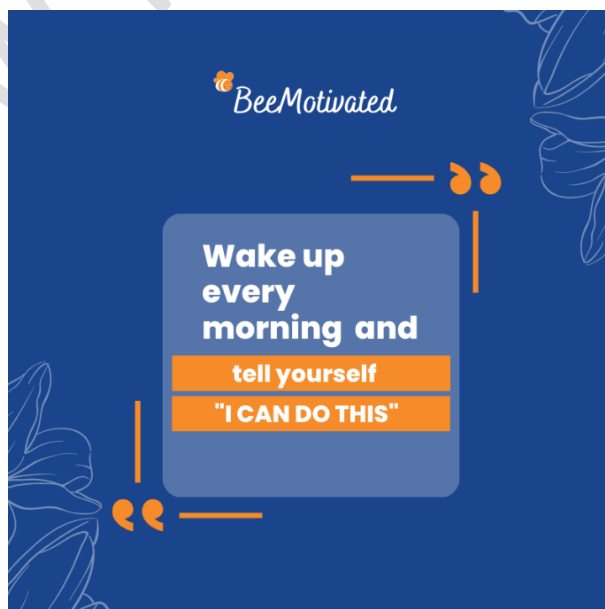




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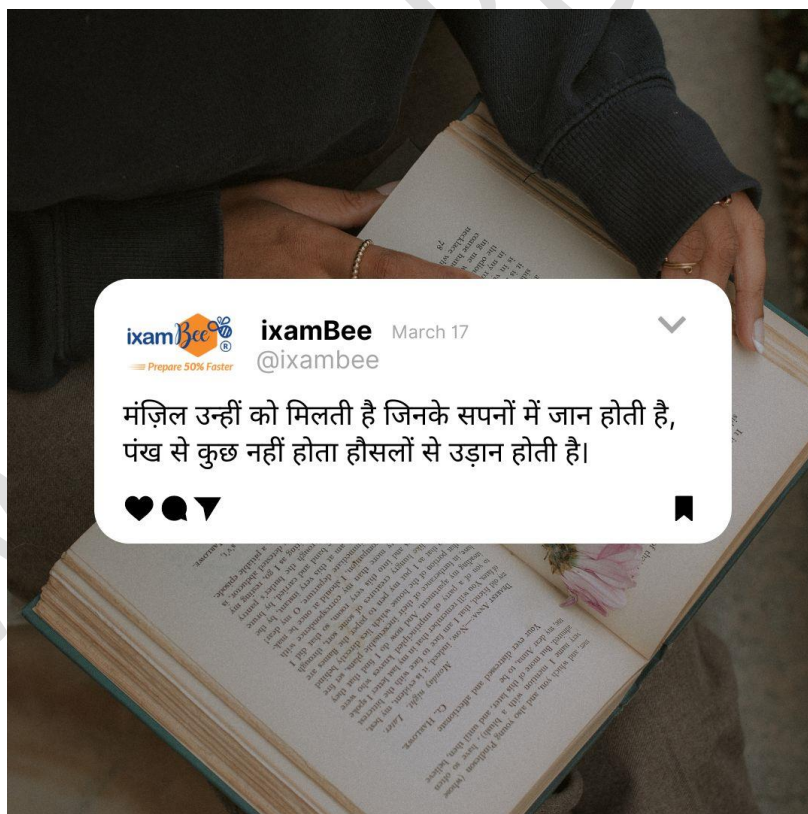
Study Notes

Booklet of IBPS AFO Mains PYP



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1. Which among the following is Photoblastic Seed?

1. Rice
2. Cucumber
3. Gram
4. Lettuce
5. Wheat

Answer : Lettuce

Explanation : The seeds in which germination is stimulated in the presence of sunlight are known as positively photoblastic, whereas the seeds in which germination is inhibited in the presence of sunlight are called negatively photoblastic.

2. Chitala chitala is state fish of ___

1. Uttar Pradesh
2. Maharashtra
3. Madhya Pradesh
4. Rajasthan
5. None of the above

Answer : Uttar Pradesh

Explanation : UP state fish - Indian featherback (Chitala chitala).

3. Which of the following nutrient is 4th most imp nutrient for Oilseeds and pulses?

1. Nitrogen
2. Potassium
3. Molybdenum
4. Sulphur
5. Phosphorus

Answer : Sulphur

Explanation : After nitrogen, phosphorous, and potassium, sulphur is the fourth most important nutrients for plant.

4. Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan Yojana launched on March 2019. How much subsidy is given to farmers for installation of solar pump?

1. 50
2. 30
3. 70
4. 40
5. 60

Answer : 60

Explanation : Under PM KUSUM the Government will subsidize 60% and provide a loan of 30% of the total cost. This leads our farmers to bear only 10% of the total cost to install solar plants and solar pumps.

5. How much monthly pension is fixed under Pradhan Mantri Kisan Maan Dhan Yojana for farmers after attaining the age of 60?

1. 1000
2. 2000
3. 3000
4. 4000
5. 5000

Answer : 3000

Explanation : Under PM Kisan Maan Dhan Yojana, the farmers would receive a minimum assured pension of ₹ 3000/- per month after attaining the age of 60 years

6. When fishes are reared along with plants, plants filtering water for the fishes and fishes provide organic matter to the plants, it is called as _____

1. Integrated
2. Composite fish farming
3. Aquaponics culture
4. Polyculture
5. None of them

Answer : Aquaponics culture

Explanation : Aquaponics is the combination of aquaculture (fish) and hydroponic cultivation of plants.

7. The deterioration or loss of the productive capacity of the soils due to various reasons like human activity is called as _____

1. Land degradation
2. Land Amelioration
3. Land Augmentation
4. Land Improvement
5. All of them

Answer : Land degradation

Explanation : Land degradation—the deterioration or loss of the productive capacity of the soils for present and future.

8. According to CRIDA how much is the Depth at which Deep Ploughing is done?

1. 5 to 10 cm
2. 15-20 cm
3. 25-30 cm
4. 35-40 cm
5. 50-60 cm

Answer : 25-30 cm

Explanation : Deep tillage or deep ploughing: Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad classified ploughing according to depth as under:
Depth Categories

- 5-6 cm Shallow ploughing
- 15-20 cm Medium deep ploughing
- 25-30 cm Deep ploughing

9. What is the name of Downey mildew genus, in which secondary and tertiary branches are formed at right angles?

1. Plasmopara
2. Sclerospora
3. Rhizoctonia
4. Pythium
5. None of them

Answer : Plasmopara

Explanation :Plasmopara causing downey mildew in grapes, has secondary and tertiary branches are formed at right angles.

10. Tomato damping off is caused due to _____

1. Fungus
2. Virus
3. Bacteria
4. Protozoa
5. Nematode

Answer : Fungus

Explanation :Damping off is caused by several soil-borne fungi and fungus-like organisms including Pythium, Phytophthora, Rhizoctonia and Fusarium.

11. A type of plant budding in which a small patch of bark bearing a scion bud is fitted into a corresponding opening in the stock.

1. Patch budding
2. Ring Budding
3. Chip budding
4. T budding
5. Shield budding

Answer : Patch budding

Explanation :Patch budding - A rectangular patch of bark is removed completely from the rootstock and replaced with patch of bark of same size containing a bud of the cultivar to be propagated.

12. Which of the following is not polyembryonic variety of mango?

1. Olour
2. Chandrakaran
3. Malgoa
4. Chausa
5. Goa

Answer : Chausa

Explanation :Chausa is monoembryonic variety.

13. Which variety of Paddy is known as miracle rice?

1. IR 8
2. Jalmagna
3. TN1
4. Ponni
5. None of them

Answer : IR 8

Explanation :First high yielding dwarf variety is IR8 (Dee geo woo gene x peta), also known as Miracle rice at international level.

14. How much is the Sheep gestation period?

1. 147 ± 3
2. 155 ± 3
3. 210 ± 3
4. 310 ± 3
5. 273 ± 3

Answer : 147 ± 3

Explanation : Gestation period: The period from the date of service (actual conception) to the date of parturition is termed as parturition period or pregnancy period. Gestation period of sheep is 147 ± 3 .

15. In Animal science the term Stag refers to

1. castrated male of Pig
2. castrated male of Horse
3. castrated male of Goat
4. castrated male of Sheep
5. castrated male of Cow

Answer : castrated male of Pig

Explanation :Stag is the castrated male of Pig

16. Ex situ green manuring can be done by ____

1. Subabool
2. Rice bean
3. Sesbania
4. Dhaincha
5. Cowpea

Answer : Subabool

Explanation :Subabool is green leaf manure tree that can be grown outside the main field where the green manure has to be incorporated.

17. Which Rhizobium strain is used in Lentil?

1. *Rhizobium meliloti*
2. *Rhizobium japonicum*
3. *Rhizobium leguminosarum*
4. *Rhizobium lupini*

5. None of them

Answer : *Rhizobium leguminosarum*

Explanation : *Rhizobium leguminosarum* is the original symbiont of lentil.

18. Which trap crop used for red hairy caterpillar in Groundnut?

1. Cow pea
2. Sesamum
3. Rice
4. Maize
5. None of them

Answer : Cow pea

Explanation : Cowpea serves as an indicator crop for early monitoring of red hairy caterpillar.

19. Which of the following is a desirable characteristic of trees grown in Alley cropping?

1. Palm Trees
2. Shallow Roots
3. Nitrogen Fixation
4. No-Nitrogen Fixation
5. All of them

Answer : Nitrogen Fixation

Explanation : Preferably leguminous trees and shrubs are grown as alley cropping.

20. The practice in which the plants are grown to extract water from area of shallow water table, through transpiration process is called as ____

1. Phyto drainage
2. Bio Drainage
3. Vertical Drainage
4. Mole drainage
5. Ditch drainage

Answer : Bio Drainage

Explanation : Biodrainage may be defined as "pumping of excess soil water by deep-rooted plants using their bio-energy."

21. Mad cow disease is caused by

1. Virus
2. Prions
3. Bacteria
4. Protozoa
5. Fungus

Answer : Prions

Explanation : Bovine Spongiform Encephalopathy (BSE), or Mad Cow Disease is a progressive neurological disorder of cattle that results from infection by an unusual transmissible agent called a prion.

22. How do mitochondria and chloroplasts perform oxidative phosphorylation and photophosphorylation reactions, respectively?

1. Integrated coupling
2. Chemiosmotic coupling
3. Energy from electrochemical gradient
4. Sliding filaments
5. Conformational coupling

Answer : Energy from electrochemical gradient

Explanation :Mitochondria and chloroplasts perform oxidative phosphorylation and photophosphorylation reactions take place by energy from electrochemical gradient.

23. What is the branch of soil related with the origin and classification of soil?

1. Pedology
2. Edaphology
3. Geology
4. Petrology
5. Mineralogy

Answer : Pedology

Explanation :Pedology - is the study of soil with respect to its origin, classification and as a natural body and does not focus on the soil's immediate practical use.

24. Kew, Queen or Mauritius are varieties of

1. Pineapple
2. Sapota
3. Banana
4. mango
5. Grapes

Answer : Pineapple

Explanation :Kew, Queen or Mauritius are varieties of Pineapple.

25. An organization which is related to export and post harvest management, development of Fishes and aquaculture products in India is _____

1. MPEDA
2. CFTRI
3. Fisheries board
4. CMFRI
5. All of these

Answer : MPEDA

Explanation :The Marine Products Export Development Authority (MPEDA) is a statutory body established in 1972 under the Ministry of Commerce & Industry to promote marine products export from India.

26. Lint index is calculated by using how many seeds of cotton?

1. 100 Seeds
2. 400 seeds

3. 800 seeds
4. 300 seeds
5. 500 seeds

Answer : 100 Seeds

Explanation :LI (weight of lint from 100 seed) is calculated by dividing lint weight from a ginned sample by the number of seed per sample (estimated using average seed weight) then multiplying by 100.

27. What is the isolation distance in case of certified seed production in Pearl Millet?

1. 1000 m
2. 500 m
3. 300 m
4. 200 m
5. 100 m

Answer : 200 m

Explanation : The isolation distance in case of certified seed production in Pearl millet is 200 m whereas for foundation seed production it is 1000m.

28. Which one of the following is PMFBY Exclusion?

1. Natural Fire and Lightning
2. Storm, Hailstorm, Cyclone, Typhoon, Tempest, Hurricane, Tornado etc.
3. Flood, Inundation and Landslide
4. War and act of enmity
5. Drought, Dry spells

Answer : War and act of enmity

Explanation : In case of war and act of enmity, the insurance will not be given to the farmer.

29. In which of the following the Cost of control of pest is equal to cost of management of pest?

1. Economic injury level
2. Economic Threshold level
3. General Equilibrium population
4. Damage boundary
5. None of them

Answer : Economic injury level

Explanation :Economic injury level - The critical density of insect population where the loss caused by the pest equals the of control measures.

30. National Bureau of fish genetic resource situated at ____

1. Lucknow
2. Cochin
3. Bhuvneshwar
4. Thiruvanthpuram
5. Khozikhode

Answer : Lucknow

Explanation :National Bureau of fish genetic resource situated at Lucknow

31. National Research Center for Integrated Pest Management is located at ____

1. New Delhi
2. Mumbai
3. Kolkata
4. Nagpur
5. Cochin

Answer : New Delhi

Explanation :National Research Center for Integrated Pest Management is located at New Delhi.

32. The ability of soil to undergo deformation without cracking is called as ____

1. Plasticity of soil
2. Consistency
3. Aggregation
4. Porosity
5. Texture

Answer : Plasticity of soil

Explanation :Soil Plasticity:

- Plasticity is the capacity of the soil to change its shape under moist conditions.
- Soil containing more than 15% clay exhibit plasticity.

33. Chloride cells are present in which part of teleost fishes ?

1. Kidney
2. Gills
3. Bladder
4. Scales
5. Oesophagus

Answer : Gills

Explanation Chloride cells' are present in the gills of fresh-water teleosts. The chloride cells of the gill secretory epithelium of fish that make the transition from fresh water to sea water adapt to the increased salinity by responding to a rapid signal that stimulates chloride secretion.

34. Albumin part comprises of what percentage in fowl egg by weight?

1. 30%
2. 70%
3. 60%
4. 50%
5. 40%

Answer : 60%

Explanation :The egg is composed of approximately 10% shell, 30% yolk, and 60% albumen.

35. Floor space required for a cow in a covered space in sq. feet?

1. 20-30
2. 40-45
3. 60-70
4. 70-90
5. 75-85

Answer : 40-45

Explanation :Cow require 40-45 sq feet area in case of covered area.

36. Unit of specific leaf area (SLA) is ____

1. m^2/kg
2. cm^2
3. mg^{-1}
4. cm^{-2}
5. $cm^2 day^{-1}$

Answer : m^2/kg

Explanation :Specific leaf area (SLA) is the ratio of leaf area to leaf dry mass. the unit of SLA is cm^2/g or m^2/kg .

37.Which chemical developed during fermentation of tea imparts Black Colour of tea?

1. Tannins
2. Theaflavin
3. Catechol
4. Caffein
5. Rubigins

Answer : Theaflavin

Explanation :Theaflavins and Thearubigins are the compounds responsible tea color and flavours.

38. Alteration of amino acids in sequence without altering protein function is called as

1. Non sense genetic mutation
2. Silent genetic mutation
3. Frameshift mutation
4. Monosomic
5. Trisomic

Ans: Answer : Silent genetic mutation

Explanation :Silent genetic mutation - change a codon to one that encodes the same amino acid and causes no change in the protein produced. These are called silent mutations.

39. Branches arising from the lowermost nodes especially in cereals are called ____

1. Suckers
2. Stolon
3. Tillers
4. Rhizomes
5. Runners

Answer : Tillers

Explanation : Tillers are branches that develop from the leaf axils at each unelongated node of the main shoot or from other tillers during vegetative growth

40. An instrument used to measure the height of tree, is portable and does not uses Pythagoras theorem is _____

1. Altimeter
2. Hypsometer
3. Abney Level
4. Crescograph
5. None of them

Answer : Hypsometer

Explanation : A hypsometer is an instrument for measuring height or elevation.

41. Molybdenum deficiency in Broccoli leads to

1. Whiptail
2. White Bud
3. Tip Burning
4. Khaira
5. Black tip

Answer : Whiptail

Explanation : Whiptail in cauliflower and broccoli is due to the deficiency of Mo

42. Which among the following is not the main function of lubricating oil?

1. to maintain the temperature of engine
2. to reduce the friction
3. to reduce wear and tear
4. to take away the heat from piston
5. to act as seal between piston and cylinder

Answer : to maintain the temperature of engine

Explanation : There are 6 Basic Functions of a Lubricant/Oil.

Lubrication – Provide a film between moving parts.

Cooling – Heat transfer media.

Sealing – Filling in uneven surfaces

Cleaning – Holding contaminants in suspension.

Dampening & Cushioning – Of components under high stress.

Protection – From oxidation & corrosion.

43. Dog ridge is the rootstock of

1. drought and salinity resistance rootstock of grape
2. drought and salinity resistance rootstock of lemon
3. drought and salinity resistance rootstock of mango
4. drought and salinity resistance rootstock of banana
5. drought and salinity resistance rootstock of sapota

Answer : drought and salinity resistance rootstock of grape

Explanation : Dogridge identified as the best rootstock for drought and salinity resistance in table grape varieties.

44. The new sub scheme under PM Kisan Sampada Scheme which aims to build infrastructure, including pre-cooling, weighing, sorting, grading, and waxing facilities at the farm level. It also includes multi-product/multi-temperature cold storage, CA storage, and packing facilities across the supply chain.

1. Infrastructure for Agro-Processing Clusters
2. Mega Food Parks
3. Creation of Food Preservation Unit
4. Integrated Cold Chain and Value Addition Infrastructure
5. Creation of Food Processing Unit Scheme

Answer : Integrated Cold Chain and Value Addition Infrastructure

Explanation :

The PMKSY had seven component schemes viz; (i) Mega Food Parks, (ii) Integrated Cold Chain and Value Addition Infrastructure, (iii) Infrastructure for Agro-Processing Clusters, (iv) Creation of Backward and Forward Linkages, (v) Creation/Expansion of Food Processing & Preservation Capacities, (vi) Food Safety and Quality Assurance Infrastructure and (vii) Human Resources and Institutions.

45. Ratio of yield of photochemical product to total number of quanta used is called as ____

1. Quantum required
2. Quantum quenchment
3. Fluorescence
4. Quantum Yield
5. Phosphorescence

Answer : Quantum Yield

Explanation :

Ratio of yield of photochemical product to total number of quanta used is called as Quantum Yield

46. Removal of small buds to obtain the bigger flowers is called as

1. Disbudding
2. Pinching
3. Tipping
4. Clipping
5. None of them

Answer : Disbudding

Explanation :

Disbudding - to remove buds from the stems of (a plant), usually leaving only terminal buds, to ensure growth of large blooms.

47. Aroma in Rice occurs due to which chemical?

1. 2 butyl 1 pyrroline

2. 2 acetyl 1 pyrroline
3. diacetyl pyrrolidine
4. diacetyl pyrrolidone
5. None of them

Answer : 2 acetyl 1 pyrroline

Explanation :

Aroma in rice is due to 2 acetyl 1 pyrroline

48. Which of the following is used in neutron moisture meter as neutron source?

1. Am- Be
2. Am - BF₃
3. Be and BF₃
4. Ra and B
5. Am and Be

Answer : Am- Be

Explanation : Am- Be act as source of neutron and BF₃ as counter in neutron moisture meter.

49. The mating of animal with wider degree of relativity than selective for close breeding is called as

1. Line breeding
 2. Out Crossing
 3. Criss crossing
 4. Inbreeding
 5. Close Breeding
- Answer : Line breeding

Explanation : The mating of animals of wider degrees of a relationship than those selected for close breeding is called line breeding.

50. After doing workout which drink is used for adding protein, minerals, adding hydration, muscle buildup?

1. Chocolate milk shake
2. Whey Protein
3. Coconut Water
4. Yogurt
5. None of these

Answer : Whey Protein

Explanation : Whey protein is a highly bioavailable protein that boasts fast absorption rates. This makes it an ideal protein for post-workout recovery.

51. Crush, Tear and curl are practiced in which crop?

1. Tea
2. Coffee
3. Banana
4. Cashew nut

5. betel nut
- Answer : Tea

Explanation : Cutting, Tearing, Crushing are done in tea during processing.

52. In which type of planting are seedlings planted close to each other i.e. the spacing is kept lower than the normal spacing?

1. High density planting
2. Quincunx system
3. Hexagonal system
4. Square system
5. Triangular system

Answer : High density planting

Explanation : High density planting is normally understood as a system wherein a higher number of plants are accommodated in a unit area as compared to the conventional planting.

53. Epigeal germination occurs in which crop?

1. Soybean
2. Wheat
3. Rice
4. Maize
5. Mango

Answer : Soybean

Explanation : Soybean seed germination is referred to as “epigeal” because food storage structures (cotyledons) are pulled above the soil surface.

54. pF value of hygroscopic coefficient is

1. 4.5
2. 7.0
3. 7.5
4. 2.3
5. 1.5

Answer : 4.5

Explanation : Hygroscopic water - Tension -31 bar & 4.5 pF.

55. Paecilomyces lilacinus is a chemical used for the control of ___

1. Fungus
2. bacteria
3. Virus
4. Protozoa
5. Nematode

Answer : Nematode

Explanation :

Paecilomyces lilacinus is a naturally occurring fungus found in many kinds of soils throughout the world. As a pesticide active ingredient, Paecilomyces lilacinus strain 251 is applied to soil to control nematodes that attack plant roots.

56. The set of indicators or properties required to characterize soil quality or soil function is known as _____.

1. Soil Quality index (SQI)
2. Soil conditioning Index (SCI)
3. Soil Health Index (SHI)
4. Threshold data set
5. Mechanically Dispersed Clay (MDC)

Answer : Soil Quality index (SQI)

The set of indicators or properties required to characterize soil quality or soil function is known as Soil Quality index (SQI).

57. Time (in min) required to kill a known population of micro organism under certain conditions at given lethal time is ____

1. C value
2. D value
3. Z value
4. F value
5. A value

Answer : F value

Explanation :

The F value for a process is the number of minutes required to kill a known population of microorganisms in a given food under specified conditions.

58. Ooze test is used for the detection of ____

1. Bacteria
2. Fungi
3. Virus
4. Protozoa
5. Virons

Answer : Bacteria

Explanation :

Ooze test is done to detect Bacteria. In this the infected leaves are cut into small bits and put into water in a glass tube, the water becomes turbid and yellowish after 30-60 minutes.

59. Which of the following is known as fertilizer tree?

1. Litchi
2. Coconut
3. Gliricidia
4. Guava
5. Papaya

Answer : Gliricidia

Explanation :

Gliricidia is a woody, green leaf manure tree about 12 m in height. The foliage can be used as green manure (natural fertilizer). Gliricidia is a root nodulating, N-fixing, and multipurpose legume. It grows fast and is tolerant to pruning.

60. Microbes added to soils to decrease the level of contaminants from root area of the plants is called as ____

1. Bio augmentation
2. Rhizosphere phytoremediation
3. Bio drainage
4. Soil enhancement
5. None of them

Answer : Bio augmentation

Explanation :

Bioaugmentation is the addition of microorganisms that have the ability to biodegrade recalcitrant molecules in the polluted environment.

IBPS SO AFO Mains 2022-23 Previous Year Paper

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

- a) Proboscis
- b) Malpighian tubules
- c) Nephridia
- d) Green glands
- e) None

Ans: : Malpighian tubules

2. GnRH released from which organ?

- a) Hypothalamus
- b) Ovary
- c) Thyroid Gland
- d) Pancreas
- e) Uterus

Ans: : Hypothalamus

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

- a) Pollarding
- b) High forest
- c) Coppicing
- d) Forking
- e) None

Ans: : High forest

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

- a) Covering material
- b) Float
- c) Cage Cover
- d) Covering material
- e) Sinkers

Ans: : Float

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 _____

- a) Cracking
- b) Twist
- c) Collapse
- d) Warp
- e) Case hardening

Ans: : Collapse

6. Sand percentage in sandy soil is _____

- a) 40%
- b) 60%
- c) 80%
- d) 20%
- e) 45%

Ans: : 80%

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 _____

- a) Pebrine
- b) Grasseries
- c) Flacherie
- d) Aspergillosis
- e) None

Ans: : Grasseries

8. Baby corn is harvested at which stage?

- a) Before silking
- b) Dough stage
- c) Milking stage
- d) After silking
- e) After tasseling

Ans: : After silking

9. Among the following is an example of an amide fertilizer?

- a) Ammonium nitrate

- b) Ammonium sulphate
 - c) Urea
 - d) CAN
 - e) Calcium nitrate
- Ans: : Urea

10. Red delicious is the variety of which fruit?

- a) Mango
 - b) Apple
 - c) Banana
 - d) Guava
 - e) Cherry
- Ans: : Apple

11. The process of parturition in Rabbit is called as ____

- a) Kidding
 - b) Kindling
 - c) Lambing
 - d) Calving
 - e) None of these
- Ans: : Kindling

12. The length of estrous cycle of sheep is _____

- a) 21 days
 - b) 10 day
 - c) 15-18 days
 - d) 30 days
 - e) 2-3 days
- Ans: : 15-18 days

13. Among the following which is the component of Knowledge communication system?

- a) Farmer
 - b) Exhibition
 - c) Newspaper
 - d) Government agency
 - e) Universities
- Ans: : Farmer

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

- a) Tilling
- b) Inter-cultivation
- c) Harrowing
- d) Planking
- e) Fertigation

Ans: : Harrowing

15. Ufra disease in rice is caused by ____

- a) Bacteria
- b) Nematode
- c) Virus
- d) Fungus
- e) None

Ans: : Nematode

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

- a) Genetic Engineering
- b) Somaclonal variation
- c) Genetic Variation
- d) Environmental Variation
- e) None of the above

Ans: : Somaclonal variation

17. Acidic soil does not contain which of the following property?

- a) >0.1% salinity
- b) Iron and Aluminium accumulated in soil
- c) CEC is low; base saturation is low
- d) pH is low
- e) None

Ans: : >0.1% salinity

18. Little Leaf of Brinjal is transmitted by?

- a) Aphids
- b) Planthopper- *Hishimonus phycitis*
- c) Thrips
- d) Birds
- e) None of the above

Ans: : Planthopper- *Hishimonus phycitis*

19. What is the botanical name of Sal tree?

- a) *Shorea robusta*
- b) *Tectonia grandis*
- c) *Grevillea robusta*
- d) *Eucalyptus roxburghii*
- e) None of the above

Ans: : *Shorea robusta*

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

- a) 8-10 Hr
- b) 10-12 Hr
- c) 14-18 Hr

- d) 20-24 Hr
 - e) None of the above
- Ans: : 14-18 Hr

21. The process of shrinkage of uterus of cow after birth & expansion & Relaxation of Mammary glands is called as _____

- a) Uterus involution
- b) Lactogenesis
- c) Galactogenesis
- d) Parturition
- e) Kidding

Ans: : Uterus involution

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?

- a) Gaddi
- b) Sirohi
- c) Osmanabadi
- d) Malabari
- e) None

Ans: : Gaddi

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

- a) Tobacco Board
- b) Coffee Board
- c) Rubber Board
- d) Cardamom Board
- e) Tea Board

Ans: : Cardamom Board

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

- a) Agrisilviculture
- b) Agrihortisilviculture
- c) Agri-olericulture
- d) Homestead agroforestry
- e) none

Ans: : Homestead forestry

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.

- a) 10000-15000
- b) 15000-20000
- c) 25000-30000
- d) 25000-50000
- e) None of the above

Ans: : 10000-15000

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

- a) Yoghurt
- b) Cheese
- c) Ghee
- d) Butter
- e) Cream

Ans: : Cheese

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

- a) Emasculation
- b) Male sterility
- c) Self incompatibility
- d) Parthenogenesis
- e) None of the above

Ans: : Emasculation

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

- a) MGNREGA
- b) NRLM
- c) PMMSY
- d) PMKSY
- e) None of the above

Ans: : MGNREGA

29. Which hormone is involved in conversion of glycogen to glucose?

- a) Glucagon
- b) Insulin

- c) Testosterone
 - d) Progesterone
 - e) Somatotropin
- Ans: : Glucagon

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

- a) Ridges and furrows
 - b) Flat bed
 - c) Sunken bed
 - d) Any of them
 - e) None of them
- Ans: : Ridges and furrows

31. Which of the following hormone is involved in the conversion of glycogen to glucose?

- a) Somatotropin
 - b) Glucagon
 - c) Progesterone
 - d) Estragon
 - e) Insulin
- Ans: : b) Glucagon

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

- a) Monohybrid
 - b) Dihybrid
 - c) Test Cross
 - d) Back cross
 - e) Top cross
- Ans: : b) Dihybrid

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

- a) 1 Cr
 - b) 2 Cr
 - c) 5 Cr
 - d) 10 Cr
 - e) 12.50 Cr
- Ans: :2 Cr

34. The finfish which contributes maximum to the global aquaculture is

- a) Silver carp
 - b) Common carp
 - c) Catla
 - d) Rohu
 - e) Grass carp
- Ans: : b) 2 Cr

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

- a) *Ctenopharyngodon idella*
- b) *Cyprinus carpio*
- c) *Cirrihinus mirrigala*
- d) *Labeo rohita*
- e) *Catla catla*

Ans: : a) *Ctenopharyngodon idella*

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

- a) Peak discharge, cfs
- b) Runoff coefficient
- c) Rainfall intensity, inch/hour
- d) Drainage area, acre
- e) Runoff potential

Ans: : b) Runoff coefficient

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?

- a) *Cereus spp.*
- b) *Echinocactus*
- c) *Oerozem trails*
- d) *Cephalocereus senilis*
- e) *Opuntia humifusa*

Ans: : d) *Cephalocereus senilis*

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

- a) Digestion
- b) Excretion
- c) Absorption
- d) Rumination
- e) Bloating

Ans: : d) Rumination

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

- a) FSSAI
- b) FCI
- c) UNICEF
- d) FAO
- e) APEDA

Ans: : d) FAO

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.

- a) Parboiling
 - b) Polishing
 - c) Dehusking
 - d) Winnowing
 - e) Polsenke value
- Ans: : a) Parboiling

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

-
- a) Crankshaft
 - b) Camshaft
 - c) Flywheel
 - d) Rocker's arm
 - e) Cylinder
- Ans: : e) Cylinder

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

- a) Reeling
 - b) Rolling
 - c) Processing
 - d) Extracting
 - e) Stifling
- Ans: : a) Reeling

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

- a) Soil colloids
 - b) Lipids
 - c) Polysaccharides
 - d) Humus
 - e) Lignin
- Ans: : d) Humus

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

- a) Ripening
- b) Degreening
- c) Physiological maturity
- d) Denavelling

- e) Dehusking
Ans: : b) Degreening

45. The Germination percentage in onion in case of certified seeds is

- a) 90%
b) 99%
c) 85%
d) 80%
e) 70%
Ans: : e) 70%

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

- a) Deciduous trees
b) Evergreen trees
c) Mangrove trees
d) Shelterbelts
e) Chirpine
Ans: : c) Mangrove trees

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

- a) 2 times
b) 1.5 times
c) 3 times
d) 4 times
e) 10 times
Ans: : a) 2 times

48. The operation of pulsing is done for _____

- a) To increase the shelf/vase life of flowers
b) To increase the shelf life of vegetables
c) To increase the shelf life of fruits
d) To increase the shelf life of plantation crops
e) To increase shining of fruits

Ans: : a) To increase the shelf/vase life of flowers

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

- a) *Erwinia cratovora*
b) *Rhizopus spp.*
c) *E. crysanthemii*
d) *E. areola*
e) *Plasmiodophora viticola*
Ans: : b) *Rhizopus spp.*

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.

- a) Red Hairy caterpillar
- b) Castor semilooper
- c) Tobacco caterpillar
- d) Bihar hairy caterpillar
- e) Leaf hopper

Ans: : Red Hairy caterpillar

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

- a) 0.25-0.50
- b) 1.25-1.50
- c) 3.00-3.50
- d) 4.50-5.30
- e) 5.55-8.75

Ans: : b 1.25-1.50

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?

- a) Necrosis
- b) Mottling
- c) Ring spot
- d) Blight
- e) Wilt

Ans: : c) Ring spot

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

- a) Propagated through seeds
- b) pollen gets transferred to the stigma the male gametes from pollen grains release and fuse with the egg
- c) Pollen contains the male gametes
- d) It helps in evolution of species.
- e) All are correct or None is incorrect

Ans: : e) All are correct or None is incorrect

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

-
- a) IHP
 - b) BHP
 - c) FHP
 - d) PTO
 - e) None

Ans: : IHP

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

- a) Sucker
- b) Tuber
- c) Runner
- d) Offset
- e) Rhizome

Ans: : c) Runner

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

- a) Hammer type
- b) Tooth spike
- c) Drum type thresher
- d) Syndicate type thresher
- e) None

Ans: : a) Hammer type

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

- a) Lipid
- b) Polysaccharides
- c) Starch
- d) Crude fibres
- e) Amides

Ans: : d) Crude fibres

IBPS SO AFO Mains 2021-22 Previous Year Paper

1. Keeping in view interest of sugarcane farmers, the Cabinet Committee on Economic Affairs has approved Fair and Remunerative Price (FRP) of sugarcane (Rs/quintal) for sugar season 2021-22 is ____

- a) 210
- b) 280
- c) 250
- d) 320
- e) 290

Ans: :290

2. Akoichi disease in rice is due to toxicity of

- a) Zn₂s
- b) FE₂S
- c) H₂S
- d) FeS₂
- e) Cao

Ans: :H₂S

3. Amrapali is a cross of

- a) Dashehari * Neelam
- b) Sindhu * Ratna
- c) Ratna * Neelam
- d) AlphAns: o * Neelam
- e) None of the above

Ans: : Dashehari * Neelam

4. Pusa Nanha Variety of papaya is developed by

- a) Mutation
- b) Hybridization
- c) Conventional Breeding
- d) Tissue culture
- e) None of the above

Ans: : Mutation

5. Muga silkworm is reared on which of the following tree species?

- a) Terminalia arjuna
- b) Ricinus communis
- c) Mulberry
- d) Bombyx mori
- e) Som and Soalu

Ans: :Som and Soalu

6. Major Characteristic symptom of stem borer in rice.....

- a) Chaffy Grains
- b) Dead Heart
- c) Silery shoot
- d) Hopper Burn
- e) White Patchy

Ans: :Dead Heart

7. Which instrument is used to determine the adulteration of water content in milk?

- a) Hydrometer
- b) Lactometer
- c) Lactoscope
- d) Hygrometer
- e) Anemometer

Ans: :Lactometer

8. Pasteurisation is done in milk

- 1. To retain color and flavour of milk
- 2. To enhance acidity
- 3. To reduce adulteration in milk
- 4. To reduce fat globules in the milk
- 5. To kill pathogenic bacteria

Ans: :To kill pathogenic bacteria

9. As per the First Revised Estimates released on 29th January 2021, according to National Statistical Office Ministry of Statistics & Programme Implementation, livestock contribution in GVA in 2019-20 is%

- 1. 4.6
- 2. 4.8
- 3. 5.0
- 4. 4.4
- 5. 5.2

Ans: :5.2

10. Which of the following method is not related to direct gene transfer?

- 1. DNA Transformation
- 2. Particle Bombardment
- 3. Tissue culture
- 4. Micro injection
- 5. Electroporation

Ans: :Tissue culture

11. By which of the following test, milk Pasteurization is done or not can be determined

- 1. Alcoholic test
- 2. Clot on boiling test
- 3. Methylene blue reduction test

4. Alkaline phosphatase test
5. None of the above

Ans: :Alkaline phosphatase test

12. Coorg is a commercial variety of which plantation crop?

1. Coffee
2. Rubber
3. Tea
4. Cashew
5. Cocoa

Ans: :Coffee

13. Oil content (%) present in groundnut.

1. 15-22
2. 35-40
3. 44-52
4. 22-24
5. 18-20

Ans: :44-52

14. Draught purpose breed of cattle is

1. Tharparkar
2. Gir
3. Red sindhi
4. Sahiwal
5. Krishna Valley

Ans: :Krishna Valley

15. Dual purpose breed of goat is

1. Beetal
2. Black Bengal
3. Marwari
4. Jamunapari
5. All of these

Ans: :Beetal

16. Curled toe disease in poultry is caused by the deficiency of which vitamin?

1. Vitamin B1
2. Vitamin B2
3. Vitamin D
4. Vitamin B 12
5. Vitamin E

Ans: :Vitamin B2

17. "Queen of milk" breed among the following goat breeds.

1. Mewati

2. Bhadawari
 3. Jamunapari
 4. Saanen
 5. Barberi
- Ans: :Saanen

18. Adiabatic dehumidification will lead in humidity and in temperature.

1. Increase, Decrease
2. Increase, Increase
3. Decrease, Increase
4. Decrease, Decrease
5. None of the above

Ans: :Decrease, Increase

19. Fishes able to tolerate different concentration of salinity known as

1. Euryhaline
2. Oligohaline
3. Stenohaline
4. Estuarine
5. None of the above

Ans: :Euryhaline

20. Indicator plant for boron deficiency in soils.

1. Wheat
2. Rice
3. Sunflower
4. Mustard
5. Safflower

Ans: :Sunflower

21. Which of the following ameliorate is cost effective and easily available for the reclamation of sodic soil?

1. Gypsum
2. Ammonium sulfate
3. Lime
4. Iron pyrite
5. Ammonium nitrate

Ans: :Gypsum

22. Rock phosphate used in which soil?

1. Saline soil
2. Sodic soil
3. Acidic soil
4. Alkali soil
5. Neutral soil

Ans: :Acidic soil

23. Which of the following is silk cotton tree?

1. Sal
2. Deodar
3. silver oak
4. Eucalyptus
5. Kapok

Ans: :Kapok

24. Which fish can be easily grown in brackish water with quick growth rate and can tolerate the fluctuations in temperature?

1. White prawn
2. Sardines
3. Tiger Shrimp
4. Lobster
5. Milk fish

Ans: :Tiger Shrimp

25. Curing temperature of potato is°C

1. 33
2. 37.8
3. 25
4. 35
5. 20

Ans: :20

26. Cricketball and kalli patti varieties of which crop.

1. Sapota
2. Citrus
3. papaya
4. apple
5. Plum

Ans: :Sapota

27. To prevent erosion in hills

1. Bench terracing
2. Contour bunding
3. Terrace Farming
4. Zing terracing
5. Graded bunding

Ans: :Contour bunding

28. Which machinery can be used for all purpose like sowing, field preparation, weeding etc.

1. Disc plough

2. Disc harrow
3. Rotavator
4. cultivator
5. Land leveller

Ans: :Rotavator

29. To reduce fertilizer use govt has decreased urea bag size from 50 kg to ___ kg.

1. 45
2. 42
3. 38
4. 25
5. 35

Ans: :45

30. It is the practice of forestry in areas devoid of tree growth and other vegetation situated in places away from the conventional forest areas with the object of increasing the area under tree growth.

1. Social forestry
2. Recreational forestry
3. Farm forestry
4. Mixed forestry
5. Extension forestry

Ans: :Extension forestry

31. The process of turning immature fruits into desirable colour and flavour, edible, palatable with ethylene treatment is termed as _____

1. Degreening
2. Ripening
3. Yellowing
4. Maturity
5. All of these

Ans: :Ripening

32. The Movement of plant towards sunlight is known as

1. Photosynthesis
2. Photorespiration
3. Phototropism
4. Photoperiodism
5. Photophosphorylation

Ans: :Phototropism

33. Golden rice is rich in

1. vitamin A
2. vitamin D
3. vitamin E
4. vitamin B

5. vitamin C
Ans: :vitamin A

34. Leaf curl disease in Chilli is transmitted by

1. White fly
 2. Thrips
 3. Aphids
 4. Hopper
 5. None of these
- Ans: :White fly

35. Which of the following will bring ease in adoption of zero till system?

1. Nematicides
 2. Fungicides
 3. Pesticides
 4. Insecticides
 5. Herbicides
- Ans: :Herbicides

36. Minimum isolation distance of okra in certified seed (metre)

1. 1000
 2. 400
 3. 600
 4. 50
 5. 200
- Ans: :200

37. The gestation period in cows is approximately _____

1. 310 days
 2. 283 days
 3. 110 days
 4. 360 days
 5. 245 days
- Ans: : 283 days

38. Which of the following structure receives partial air, water and sunlight from atmosphere?

1. Polyhouse
 2. Shade net
 3. Green house
 4. Glass house
 5. Hydroponics
- Ans: :Shade net

39. In which of the following variety of guava the fruit is huge and round shaped, primrose yellow skin shaded, and is also known as sardar

1. Safeda
2. Allahabad safeda
3. L-49
4. Allahabad surkha
5. None of these

Ans: :L-49

40. How much concentrate is fed to Cross bred exotic 5 months pregnant cattle other than maintenance?

1. 0.5 kg
2. 1.0 kg
3. 1.5 kg
4. 2.0 kg
5. 3.0 kg

Ans: :1.5 kg

41. The caste of bees which include imperfectly developed female unable to reproduce is _____

1. Queen bee
2. Drone
3. Worker Bee
4. Solitary bee
5. All of these

Ans: :Worker Bee

42. The bacterial disease of fish in which the fin edges turn white and fins appear ragged and split is _____

1. Vibriosis
2. Dropsy
3. Fin and tail rot
4. Columnaris
5. Red pest

Ans: :Fin and tail rot

43. When plant is propagated by small tissue or part of a plant then that particular technique is termed as

1. Hybridization
2. Somatic hybridization
3. Sexual propagation
4. Micro-propagation
5. None of these

Ans: : Micro-propagation

44. Which of the following fish has lungs as labyrinth?

1. Catla
2. Rohu
3. Mrigal
4. Gourami
5. None of these

Ans: :Gourami

45. When is dehauling done in potato crop?

1. 5 days before harvesting
2. 30 - 35 days before harvesting
3. 10-15 days before harvesting
4. Just before harvesting
5. None of the above

Ans: :10-15 days before harvesting

46. An extreme form of minimum tillage where primary tillage is completely avoided and secondary tillage is restricted to row zone or seed bed zone only is _____

1. Minimum tillage
2. Strip tillage
3. Ridge tillage
4. Stubble mulch farming
5. Zero tillage

Ans: :Zero tillage

47. used in tractor trAns: mission for attaching combine harvester and thresher to tractor.

1. Tractor pulley
2. Power take off
3. Battery
4. Hitch
5. Drawbar

Ans: :Power take off

48. Which of the following is responsible for seed dormancy?

1. Physical cracking
2. Fungal growth
3. Pathogen infestation
4. Distorted Seed coat
5. Immature embryo

Ans: : Immature embryo

49. Loans against hypothecation of agriculture produce for upto 12 months period subject to a limit of upto..... against NWR/eNWR.

1. 5 lakh
2. 25 lakh

3. 50 lakh
 4. 75 lakh
 5. 85 lakh
- Ans: :75 lakh

50. The Sugarcane ripening is indicated by ___% of TSS.

1. 10
 2. 12
 3. 20
 4. 25
 5. 33
- Ans: :20

51. An element which forms the component of protein and chlorophyll and is required in amino acid formation is__

1. N
 2. P
 3. K
 4. Mg
 5. S
- Ans: :N

52. Norin 10 is dwarfing gene of

1. Rice
 2. Wheat
 3. Maize
 4. Bajra
 5. None of these
- Ans: *Wheat*

53. ACABC (Agri-Clinic or Agri-business Centre) takes training from which of the following organization?

1. ATMA
 2. NABARD
 3. KVK
 4. ICAR
 5. MANAGE
- Ans: :*MANAGE*

54. In Production function curve, which stage starts when AP and MP intersect each other and E is equal to 1?

1. Stage 1
2. Stage 2
3. Stage 3
4. Both A and B
5. Both A and C

Ans: . Stage 2

55. Which among the following fishes is not a surface water (pelagic) fish?

1. Anchovies
2. Sardines
3. Flatfish
4. Mackerels
5. Tuna

Ans: - Flatfish

56. Which of the following is not a major pigment of photosynthesis?

1. Chlorophyll a
2. Chlorophyll b
3. Carotene
4. Both A and B
5. All of these

Ans: - Carotene

57. Carbohydrate is present only around of total animal body

1. 1%
2. 2%
3. 5%
4. 10%
5. 30%

Ans: - 1%

58. Jaya, a high yielding variety developed in India which outyield both its parent was a cross between

1. TN-1 x IR-8
2. TN-1 x T-141
3. T-141 x TN-1
4. IR-8 x Lerma Rojo
5. None of these

Ans: - TN-1 x T-141

59. ___ is a method used to observe the growth and development of an embryo inside an egg by using a bright light source behind the egg to show details through the shell.

1. Brooding
2. Candling
3. Broiling
4. Auto sexing
5. Pipping

Ans: - Candling

60. In an offset harrow, number of gangs is/are

1. 1

2. 2
3. 3
4. 4
5. 6

Ans: - 2

IBPS SO AFO Mains 2020 - 21 Previous Year Paper

1. The credit for the success of Krishi Vigyan Kendras (KVK) goes to?

1. Dr. Mangla Rai
2. Dr. RS Paroda
3. Dr. Mohan singh Mehta
4. Dr. MS Swaminathan
5. Dr. Chandrika Prasad

Ans: :Dr. Chandrika Prasad

2. ICMR recommendation for vegetables (g/day) is ?

1. 100
2. 200
3. 300
4. 400
5. 500

Ans: :300

3. In which of the following crop, discovery of mosaic was done in 1886 by Mayer?

1. Cucumber
2. Tobacco
3. Brinjal
4. Tomato
5. Potato

Ans: :Tobacco

4. Which of the following is not a sedimentary rock.

1. Granite
2. Sandstone
3. Shale
4. Limestone
5. Conglomerate

Ans: :Granite

5. Blossom end rot is a disorder of which crop and it is due to the deficiency of which mineral nutrient.

1. Tomato, Mg
2. Onion, Mg

3. Onion, Ca
 4. Potato, N
 5. Tomato, Calcium
- Ans: :Tomato, Calcium*

6. Mustard belongs to which of the following family?

1. Cucurbitaceae
 2. Solanaceae
 3. Cruciferae
 4. Leguminosae
 5. Gramineae
- Ans: :Cruciferae*

7. Tree + Crop + Pasture/Animal combination of agro forestry is called?

1. Horti-Silvi
 2. Agri-Horti
 3. Agri-Silvi
 4. Agri-Silvi Pasture system
 5. Tree-Horti
- Ans: :Agri-Silvi Pasture system*

8. Which of the following chemical is used in polyploidy?

1. IAA
 2. NAA
 3. Colchicine
 4. Gibberellins
 5. Cytokinin
- Ans: :Colchicine*

9. Pungency in onion is due to _____

1. Allyl Propyl Disulphide
 2. Di allyl di sulphide
 3. Isopropanol
 4. Saponin
 5. None
- Ans: :Allyl Propyl Disulphide*

10. 2,4-Dichlorophenoxyacetic acid is used as a hormone and also used as?

1. Insecticide
2. Fungicide
3. Herbicide
4. Nematicide

5. None of the above

Ans: :Herbicide

11. The process of unwinding silk filaments from the cocoons is known as

1. Weaving
2. Reeling
3. Stifling
4. Degumming
5. Spinning

Ans: :Reeling

12. As per FSSAI Standards, what is the SNF of cow milk?

1. 8
2. 8.5
3. 9.0
4. 9.5
5. 7.5

Ans: :8.5

13. What is the fruit type of pineapple?

1. Berry
2. Drupe
3. Pome
4. Sorosis
5. Pepo

Ans: :Sorosis

14. Oryza sativa is the scientific name of which crop?

1. Paddy
2. Wheat
3. Maize
4. Sorghum
5. Pearl millet

Ans: :Paddy

15. A negative factor in adoption of an innovation is?

1. Compatibility
2. Complexity
3. Trialability
4. Observability
5. Predictability

Ans: :Complexity

16. R.M. test is related to which of the following dairyproduct?

1. Ghee
2. Whole Milk Powder
3. Curd
4. Butter
5. Paneer

Ans: :Ghee

17. Bordeaux Mixture is?

1. Nitrogen Fungicide
2. Phosphorous Fungicide
3. Magnesium Fungicide
4. Copper Fungicide
5. None of the above

Ans: :Copper Fungicide

18. Disintegration of arils in matured pomegranates where disorder cannot be identified externally, whereas the arils become soft, light creamy-brown to dark blackish-brown and unfit for consumption that is known as:

1. Internal Breakdown
2. Granulation
3. Fruit cracking
4. Uneven ripening
5. Hollow Heart

Ans: :Internal Breakdown

19. Ratoon sugarcane is different from pure crop is due to :

1. Requires Zero Nitrogen
2. More N required
3. Ratooning is costly
4. Matures late
5. Mature early

Ans: :More N required

20. European Honey bees are called as?

1. Apis mellifera
2. Apis florea
3. Apis cerena
4. Apis dorsata
5. Melipona irridensis

Ans: :Apis mellifera

21. Mandis are which type of market ?

1. Local market
2. Primary Market
3. Secondary Market

4. Fair
5. Export Market

Ans: :Primary Market

22. Retting is process of which crop?

1. Tomato
2. Rice
3. Wheat
4. Maize
5. Jute

Ans: :Jute

23. Smother crops can be defined as?

1. Crops grown to suppress weed infestation by their dense ground covering
2. Crops grown to maintain soil moisture by their dense foliage
3. Definition of Catch crop
4. Definition of Inter crop
5. None of the above

Ans: :Crops grown to suppress weed infestation by their dense ground covering

24. Which of the following is known as silk protein ?

1. Proline
2. Resilin
3. Arthropodin
4. Sericin
5. None

Ans: :Sericin

25. Removal of off type plants is called?

1. Rouging
2. Ploughing
3. Harrowing
4. Digging
5. Dehaulming

Ans: :Rouging

26. Which of the following housing system is used in commercial layer farming cage system in poultry having dimensions of 14x16 inches or height 17 inches?

1. Semi Intensive system
2. Battery cage
3. Folding cage
4. Deep litter
5. Free range

Ans: :Battery cage

27. Decreasing order of water holding capacity is?

1. Clay > Silt > Sand
2. Sand > Silt > Clay
3. Silt > Sand > Clay
4. Clay > Sand > Silt
5. Silt > Clay > Sand

Ans: :Clay > Silt > Sand

28. Buffalo milk is whiter than cow milk due to ?

1. High Fat content than cow
2. High Calcium content than cow
3. Due to conversion of beta- carotene into colorless vit-A
4. Due to presence of riboflavin
5. None of the above

Ans: :Due to conversion of beta- carotene into colorless vit-A

29. Pendimethalin is used against?

1. Weed
2. Bacteria
3. Nematode
4. Virus
5. Fungus

Ans: :Weed

30. Zoonosis diseases are infectious diseases that spread?

1. Non human/animal to Human
2. Human to Animal
3. Human to Human
4. Animal to Animal
5. None of the above

Ans: :Non human/animal to Human

31. Breed of Buffalo which has sickle shaped horns, turned downward in backward direction, skin color either brown or black & found in Gujarat is-?

1. Bhadawari
2. Toda
3. Murrah
4. Surti
5. None of the above

Ans: :Surti

32. Progeny of Breeder seed which should maintain certain germination standards and should be approved by certification agency?

1. Foundation Seed
2. Certified Seed
3. Nucleus Seed

4. Truthfully Labelled
5. Registered seed

Ans: :Foundation Seed

33. Dropping the seeds in furrow lines in a continuous stream and covering them with soil is known as?

1. Drilling
2. Dibbling
3. Broadcasting
4. Both B and C
5. None of the above

Ans: :Drilling

34. What is the premium rate payable by PMFBY beneficiaries for Rabi crops (% of SI or Actuarial rate)?

1. 2.0%
2. 5.0%
3. 3.0%
4. 0.5%
5. 1.5%

Ans: :1.5%

35. Soil moisture is measured by which of the following equipment?

1. Hygrometer
2. Tensiometer
3. Anemometer
4. Berometer
5. Lux meter

Ans: :Tensiometer

36. Name the technique in which generation of nitrogen cycle by maintaining higher C:N ratio through stimulating heterotrophic microbial growth, that can be used as feed for the cultured species?

1. Integrated fish farming
2. Biofloc fish farming
3. Inland fish farming
4. Brackish fish farming
5. None of the above

Ans: :Biofloc fish farming

37. Alkaline Soil can be reclaimed by using?

1. Gypsum
2. Lime
3. Ammonium Phosphate
4. Urea
5. None of the above

Ans: :Gypsum

38. Late blight is the disease of ____

1. Tobacco
2. Maize
3. Paddy
4. Potato
5. Rice

Ans: : Potato

39. Fruit type of rose is?

1. Balusta
2. Berry
3. Pome
4. Stone
5. Hip

Ans: : Hip

40. Superiority of F1 hybrid over both the parents in terms of yield and some other characters is known as?

1. Dominance
2. Hybrid Vigour
3. Heterosis
4. Inbreeding
5. Pure Line

Ans: :Heterosis

41. Mould board instrument is used for ?

1. Weeding
2. Hoeing
3. Digging
4. Earthing up
5. Ploughing

Ans: :Ploughing

42. Scratching, Rubbing and softening seed coat to make it permeable for water?

1. Scarification
2. Stratification
3. Both A and B
4. None of the above
5. All of these

Ans: :Scarification

43. Piercing and Sucking type mouth part is found in which order?

1. Diptera
2. Isoptera

3. Hemiptera
4. Orthoptera
5. Thysanoptera

Ans: *Hemiptera*

44. Parallel and non parallel strands in DNA helix is connected by which bond?

1. Phosphate Bond
2. Covalent Bond
3. Phosphodiester Bond
4. Hydrogen Bond
5. None of the above

Ans: *Hydrogen Bond*

45. Anammox is related to?

1. Carbon Cycle
2. Nitrogen Cycle
3. Sulphur Cycle
4. Hydrogen cycle
5. None of the above

Ans: *Nitrogen Cycle*

46. Symptoms of Powdery Mildew of Pea are first appeared on?

1. Pods
2. Roots
3. Flower
4. Stem
5. Leaves

Ans: *Leaves*

47. Rickets in children, osteomalacia in adults and milk fever in animals & reduction in milk yield is due deficiency of which nutrient.

1. Ca
2. Mg
3. K
4. P
5. Na

Ans: *Ca*

48. Japanese encephalitis is mainly transferred by?

1. Cattle
2. Pig
3. Dog
4. Mosquito
5. Horse

Ans: *Mosquito*

49. Why we do effluent treatment of any pond?

1. to reduce the organic content
2. to increase the organic content
3. to reduce oxygen
4. To increase carbon dioxide
5. TO enrich with nutrients

Ans: :to reduce the organic content

50.Name the scheme launched by the govt of India to provide income support to the farmers of 6000/year

1. NRLM
2. PMKMY
3. PMKISAN
4. PMFBY
5. PMKVY

Ans: :PMKISAN

51. The process of giving birth in sow is known as?

1. Kidding
2. Farrowing
3. Calving
4. Lambing
5. All of the above

Ans: :Farrowing

52. Anthreae mylitta is the botanical name of

1. Temperate Tasar
2. Temperate muga
3. Tropical tasar
4. Tropical muga
5. Sub topical tasar

Ans: :Tropical tasar

53. Cross of two different breeds with alternative mating is known as?

1. Criss cross
2. Back cross
3. Test Cross
4. Out cross
5. Close breeding

Ans: :Criss cross

54.What is the pattern followed in Maharashtra and Karnataka for the planting of sugarcane?

1. June - July
2. July- September
3. September - October

4. November - December
 5. January - February
- Ans: : September – October*

55. Minimum support prices for various agriculture crops announced by the central govt by the recommendation of?

1. NAFED
 2. ICAR
 3. CACP
 4. BIS
 5. NABARD
- Ans: : CACP*

56. The process of scratching, rubbing and softening of seed coat to make it permeable is known as

1. Stratification
 2. Scarification
 3. Vernalization
 4. Rouging
 5. None of the above
- Ans: : Scarification*

57. Name the process of milk in which fat globules are broken into uniform sizes?

1. Homogenization
 2. Sterilization
 3. Pasteurization
 4. Podzolization
 5. Creamification
- Ans: : Homogenization*

58. What is the time of pruning of grapes in Maharashtra, Karnataka & AP?

1. Jan- feb and sept – oct
 2. Jan- feb and Aug- September
 3. April- May and oct- Nov
 4. June – July and dec- Jan
 5. Feb- March- Aug- September
- Ans: : April- May and oct- Nov*

59. Coconut beetle is also known as?

1. White grub
 2. rice weevil
 3. rhinoceros beetle
 4. coco grub
 5. none of the above
- Ans: : rhinoceros beetle*

60. When a variety is developed through the protoplasmic fusion of two different species and varieties?

1. Inter specific hybridization
2. Inter generic hybridization
3. Somatic hybridization
4. Tissue culture
5. Genetic engineering

Ans: : Somatic hybridization

IBPS SO AFO Mains 2019-20 Previous Year Paper

1. What is the average gestation period of buffalo

1. 316 ± 5
2. 365 ± 5
3. 385 ± 5
4. 418 ± 5
5. 218 ± 5

Ans: : 316 ± 5

2. Which of the following practice reduce soil erosion, evapotranspiration, kinetic energy impact of rain drops?

1. Contour Bunding
2. Mixed cropping
3. Relay Cropping
4. Strip cropping
5. Mulching

Ans: : Mulching

3. Which of the following medicinal plant is known as laxative medicinal plant?

1. Henbane
2. Guggal
3. Isabgol
4. Ashwagandha
5. Cuscutta

Ans: : Isabgol

4. Which entomopathogens fungus role as biological control agent in cotton bollworm?

1. *Beauveria bassiana*
2. *Spodoptera litens*
3. *Helicoverpa armigera*
4. Verticillium
5. None of these

Ans: : *Beauveria bassiana*

5.The pigment responsible for the yellow colour of milk due to?

1. Magnesium
2. Xanthium
3. Carotenoid
4. Mineral
5. Casein

Ans: :Carotenoid

6.Which of the following nutrients is categorised under macro nutrients under the mineral and nutrition classification?

1. Zn
2. Mn
3. Fe
4. Cl
5. K

Ans: :K

7.The process of Let down of milk in the udder is due to which hormone-

1. Estrogen
2. Prolactin
3. Oxytocin
4. Endostrogen
5. Progesterone

Ans: :Oxytocin

8.The most common method of propagation in Banana?

1. Veneer Grafting
2. Budding
3. Seed
4. Sucker
5. Layering

Ans: :Sucker

9.Which of the following cattle breeds is utilized as draught purpose while cows are poor yielder?

1. Sahiwal
2. Tharparker
3. Frieswal
4. Khillari
5. Deoni

Ans: :Khillari

10.The word Crown cleaning related to which of the following crop?

1. Brinjal
2. Mango
3. Coconut

4. Coffee
 5. Pineapple
- Ans: :Coconut

11. Aphid is responsible for which disease in tobacco

1. Tobacco mosaic virus disease
2. Tobacco leaf curl disease
3. Tobacco wilt
4. Cucumber mosaic virus
5. None of these

Ans: :Cucumber mosaic virus

12. In which planting system 4 plants are planted in a square in which plant to plant and grow to grow distance is same and plants are planted to right angle to each other

1. Triangular
2. Rectangle
3. Hexagonal
4. Diagonal
5. Square

Ans: :Square

13. After sheet erosion minute finger like structures are formed if not taken care

1. Gully
2. Gulli
3. Sheet
4. Rill
5. Ravines

Ans: :Rill

14. Which of the following is not correct about Honeybee and bee colony?

1. Swarming is a natural process
2. Queen, Worker, Drone are different
3. Wax moth attack in larvae stage & nit adult stage
4. Unfertilized egg become worker bee
5. Propolis, Royal Jelly and Bee Venom are by products of bees

Ans: :Unfertilized egg become worker bee

15. Guava pest which deposit eggs on soft skin of ripening fruit, on hatching maggot bore into fruit and feed on the soft pulp, the infested show depressions with dark green puncture and when cut opens the maggots are visible and finally fruit rot and fall-

1. Fruit fly
2. Mealy bug
3. White aphid
4. White flies
5. Thrips

Ans: :Fruit fly

16. Name of the vaccine used for Ranikhet?

1. Clostridial
2. Marek
3. Canine'
4. Lasota
5. Circoflex

Ans: :Lasota

17. Removal of Male bud in banana-

1. Disbudding
2. Dehorning
3. Denavelling
4. Desuckring
5. None of these

Ans: :Denavelling

18. Name the Grape training system where they are connected with each other?

1. Kniffin
2. Bower
3. Skipping
4. Telephone
5. Pergola

Ans: :Telephone

19. Which breed of goat has the highest lactation length?

1. Barbari
2. Pantza
3. Beetle
4. Sirohi
5. Jamunapari

Ans: :Jamunapari

20. What is the Isolation distance required for foundation seed production of okra?

1. 1000m
2. 800m
3. 400m
4. 650m
5. 1600

Ans: :400m

21. Stubble sprout to form next new crop is-

1. Ratooning
2. Ley Cropping
3. Mulching
4. Chocking
5. Cutting

Ans: :Ratooning

22. Under given pest, BT cotton shows resistant to?

1. White Fly
2. Aphid
3. Bollworm
4. Mites
5. Thrips

Ans: :Bollworm

23. Under which category, based on landholding , small farmers are classified under?

1. <1Ha
2. 1-2Ha
3. 2-4 Ha
4. 4-10 Ha
5. >10Ha

Ans: :1-2Ha

24. Vertisol order soil is found maximum in which state?

1. Gujrat
2. Maharashtra
3. Andhra Pradesh
4. Madhya Pradesh
5. Karnataka

Ans: :Maharashtra

25. White muscardine disease related to-

1. Sheep & Goat
2. Silkworm
3. Cattle
4. Poultry
5. Cattled

Ans: :Silkworm

26. Which of the following is the initiative taken by the govt for the electronic trading platform for farmer for selling their produce and getting fair prices?

1. AMI
2. E-choupal
3. eNAM
4. APMC
5. None of these

Ans: :eNAM

27. Name the disease of rose with greyish white powdery patches are seen on the tender leaves and flower buds, mature leaves get malformed and flower bud fail to open and plant ultimately shows the wilted appearance-

1. Rust
2. Downy mildew
3. Powdery Mildew
4. Rust
5. BLB

Ans: :Powdery Mildew

28. Which of the following is not bacterial disease in case of Pigs

1. Pneumonia
2. Bacillus
3. Anthrax
4. Septicemia
5. Coccidiosis

Ans: :Coccidiosis

29. The term pulsing is related to-

1. Pulse processing
2. Apple processing
3. Processing of flowers
4. Fruit Processing
5. Cereal storage

Ans: :Processing of flowers

30. According to the various agro climatic region, which one of the following is categorized under tropical fruit?

1. Pear
2. Papaya
3. Almond
4. Apple
5. Plum

Ans: :Papaya

31. Botanical name of pomegranate-

1. Mangifera Indica
2. Prunus Persica
3. Musa Paradasica
4. Malus Domestica
5. Punicum granatum

Ans: :Punicum granatum

32. Blue colour tag for which category of seed under seed production/generation system?

1. Certified

2. Foundation
 3. Registered
 4. Breeder
 5. Nucleus seed
- Ans: :Certified*

33. Irregular bearing mango variety is-

1. Totapari
 2. Amrapali
 3. Neelum
 4. Kesar
 5. Himsagar
- Ans: :Kesar*

34. Which sheep breed of northwest India known for best quality white wool?

1. Gaddi
 2. Magra
 3. Gurez
 4. Chanthangi
 5. Surti
- Ans: :Magra*

35. A zone within the Earth that restricts the flow of groundwater from one aquifer to another?

1. Aquifer
 2. Aquifuse
 3. Aquitard
 4. Aquiflude
 5. Perch aquifer
- Ans: :Aquifuse*

36. The symptoms of Sorghum shoot fly mainly seen in which part of plant?

1. Chlorosis followed by Neckrosis
 2. Yellowing of leaves from tip to downwards
 3. Leaves fold longitudinally, and a larva remains inside
 4. Feed on green tissues of the leaves and leave become whitish papery
 5. The larva cuts the growing point, resulting in wilting and drying of the central leaf
- Ans: :The larva cuts the growing point, resulting in wilting and drying of the central leaf*

37. Which oil cake is used to prevent predatory fishes?

1. Cotton cake
 2. Neem oil cake
 3. Sesamum
 4. Groundnut cake
 5. Mahua cake
- Ans: :Mahua cake*

38. What is the name of trap used in IPM to lure the male insects?

1. Pheromone trap
2. Sticky Traps
3. Light trap
4. Glue traps
5. None of the above

Ans: :Pheromone trap

39. Which of the following refers to the zone of illuviation?

1. A
2. B
3. R
4. C
5. O

Ans: :B

40. Soil moisture decreased to wilting point water held tightly by soil particles condition is called.

1. Hygroscopic coefficient
2. Wilting point
3. Permanent wilting point
4. Saturation point
5. None of these

Ans: :Hygroscopic coefficient

41. The process/Act of Mating in Sheep is known as?

1. Bridging
2. Kidding
3. Farrowing
4. Topping
5. None of these

Ans: :Topping

42. Which state of India has the highest area under forest?

1. Uttarakhand
2. Sikkim
3. Madhya Pradesh
4. Arunachal Pradesh
5. Chhattisgarh

Ans: :Madhya Pradesh

43. What is the minimum germination percentage of wheat?

1. 100
2. 65
3. 70
4. 85

5. 80

Ans: :85

44. Area designed for the feeding of lamb, calves and piglet in the farm but not used for adults is known as?

1. Conventional dairy barn
2. Traditional Dairy Barn
3. Cow feed shed
4. loose housing system
5. Creep

Ans: :Creep

45. The green revolution leads to the production of foodgrains basically paddy and wheat, golden revolution is phased out in similar pattern for the production of ?

1. Fruits
2. Vegetables
3. Cereals
4. Pulses
5. Meat

Ans: :Fruits

46. New leaf of plant shows yellow symptoms and veins remain green is caused by the deficiency of which nutrient?

1. Manganese
2. Magnesium
3. Iron
4. Zinc
5. Sulphur

Ans: :Iron

47. Young female pig who had not given the birth to any offspring till now?

1. Sow
2. Lamb
3. Doe
4. Swine
5. Spayed

Ans: :Sow

48. The term lay farming is related to-

1. Layer birds are reared in closed space
2. Leguminous pastures with grain crops.
3. More layer birds in limited space
4. Rearing of Poultry animals
5. Layering in horticulture

Ans: :Leguminous pastures with grain crops.

49. What is the type of silkworm that breed only one time in a year

1. Univoltine species
2. Bivoltine species
3. Wild Univoltine silkworm of Assam forest
4. Multivoltine Species
5. None of these

Ans: :Univoltine species

50. Which of the following scheme is renamed as NRLM

1. Adarsh Gram Yojna
2. Gram Sadak Yojna
3. Swanajayanti Swarojgar Yojna
4. Deen Dayal Upadhyaya Grameen Kaushalya Yojana
5. Swarnajayanti Gram Swarojgar Yojna

Ans: :Swarnajayanti Gram Swarojgar Yojna

51. In which grafting Rootstock debarked 45 cm from ground level two slopes cut given and wedge is made tongue shape scion inserted?

1. Veneer grafting
2. Wedge grafting
3. Inside grafting
4. Chip budding
5. Inarching

Ans: :Wedge grafting

52. Mating of wider degree relation not closer one and result in uniformity is known as?

1. Out crossing
2. Back crossing
3. Line breeding
4. In breeding
5. Cross breeding

Ans: :Line breeding

53. Which scientific research institution is established to provide vocational training to farmer and field level extension workers?

1. KVK
2. Small farmer org
3. FPO
4. Tribal area development agency
5. SHG

Ans: :KVK

54. Which type of emulsion found in MILK

1. Oil in oil
2. Water in oil
3. Fat in oil

4. Oil in water
 5. Water in water
- Ans: :Oil in water

55. Which one of the following is an example of symbiotic nitrogen fixing bacteria?

1. Rhizobium
 2. Cyanobacteria
 3. Azotobacter
 4. Clostridium
 5. None of these
- Ans: :Rhizobium

56. The study and science for the Aesthetic and shady plantation for decoration/ Ornamental purpose?

1. Arboriculture
 2. Viticulture
 3. Landscape horticulture
 4. Silviculture
 5. Moriculture
- Ans: :Landscape horticulture

57. FMD vaccines is given to sheep at an interval of?

1. 3 month
 2. 4 month
 3. 5 month
 4. 6 Month
 5. 12 Month
- Ans: :6 Month

58. Sodium deficiency in cow symptom and causes what?

1. Patient paresis
 2. Dehydration and fluid reduction
 3. Milk reduction
 4. Appetite loss
 5. Milk fever
- Ans: :Dehydration and fluid reduction

59. The instrument used to measure the soil strength is known as

1. Penetrometer
 2. Dynamometer
 3. Hydrometer
 4. Tensiometer
 5. Pycnometer
- Ans: :Penetrometer

60. What is the feed conversion ratio in broiler chicken?

1. 1.5 to 1.9
2. 1.9 to 2.1
3. 3.2 to 3.9
4. 2.2 to 2.7
5. 2.8 to 3.2

Ans: :1.5 to 1.9

IBPS SO AFO Mains 2018-19 Previous Year Paper**1. Which among the following insect causes damage inside the stem**

1. Stem borer
2. Gall midge
3. Brown plant hopper
4. Aphid
5. Leaf curl

Ans: :Stem borer

2. Based on construction, which among the following is the type of green house?

1. Wooden framed
2. Computerized
3. Cooling Fan pad
4. Even span
5. Glass glazing

Ans: :Wooden framed

3. Which among the following state has highest alkaline soil?

1. UP
2. Gujarat
3. Punjab
4. West Bengal
5. Odisha

Ans: :UP

4. What is the pH of acidic soil?

1. Less than 5.5
2. 7
3. 8
4. 11
5. 12

Ans: : Less than 5.5

5. What is the MSP of wheat according to 2017-18?

1. 1735
2. 1740
3. 1670
4. 1550

5. 1780

Ans: :1735

6.What is the MSP of common paddy according to 2018-19?

1. 1750

2. 1740

3. 1670

4. 1550

5. 1780

Ans: :1750

7.What is the minimum age eligibility criteria to be nominated for Nari Shakti Purskar

1. Above 30 years

2. 20 Years

3. 25 years

4. 40 Years

5. 30years

Ans: :30years

8.What is the RPM of rotary tiller?

1. 180-200

2. 120-150

3. 200-250

4. 230-280

5. 80-120

Ans: :180-200

9.In which type of tillage 15-30% residue left on the soil surface?

1. Convectional tillage

2. Ridge tillage

3. Mulch tillage

4. Reduce tillage

5. No till

Ans: : Reduce tillage

10. In which disease gall formation of root occurs:

1. Root knot nematode

2. Bacterial blight

3. Leaf rust

4. Powdery mildew

5. Leaf spot

Ans: :Root knot nematode

11. Which among the following is highly irrigation sensitive crop?

1. Cabbage

2. Red Gram

3. Wheat
 4. Cotton
 5. Millets
- Ans: :Cabbage

12. Which among the following is medium to high irrigation sensitive crop?

1. Cabbage
2. Red Gram
3. Wheat
4. Cotton
5. Millets

Ans: :Wheat

13. As per the covering material, which among the following is the type of green house?

1. Wooden framed
2. Computerized
3. Cooling Fan pad
4. Even span
5. Glass glazing

Ans: :Glass glazing

14. Cankerous spot formation occur in which among the following disease'?

1. Bacterial canker
2. Leaf spot
3. Root node nematode
4. Foot rot
5. Leaf rust

Ans: :Bacterial canker

15. Which among the following nutrient deficiency symptom is major veins remain green, top veins become short and slender and chlorosis on new leaf?

1. Fe
2. Mn
3. Cu
4. Bo
5. Zn

Ans: :Fe

16. Nari Shakti Puskar Yojna guideline was revised in which year?

1. 2014
2. 2015
3. 2016
4. 2018
5. 2019

Ans: :2018

17. What is the nitrogen content in CAN fertilizer

1. 25
2. 28
3. 20
4. 30
5. 2

Ans: :25

18. What is the capacity of medium type rural godown?

1. 1000 mt
2. 5000 mt
3. 500,1000,2000 mt
4. 500 mt
5. 2000 mt

Ans: :500,1000,2000 mt

19. For how much time period we can store food grain in rural godown?

1. 9 months
2. 11 months
3. 12 month
4. 10 months
5. 6 months

Ans: :10 months

20. How much area in percentage is covered under storage in rural go down?

1. 75
2. 85
3. 90
4. 60
5. 50

Ans: :90

21. What is the premium rate for commercial/ horticultural crops under PMFBY

1. 2
2. 5
3. 1.5
4. 1.25
5. 1

Ans: :5

22. What is the premium rate for annual commercial/horticultural crops under PMFBY

1. 2
2. 5
3. 1.5
4. 1.25

5. 1

Ans: :5

23. Rotting of stem at ground level disease is known as

1. Foot rot
2. Wilt
3. Leaf curl
4. Molya disease
5. Leaf rust

Ans: :Foot rot

24. Pegging and pod formation stage has occurred in which among the following crop:

1. Groundnut
2. Sesame
3. Wheat
4. Mustard
5. Soyabean

Ans: :Groundnut

25. Which among the following crop has Lowest seed replacement ratio?

1. Pearl millet
2. Wheat
3. Ground nut
4. Sunflower
5. Sugarcane

Ans: :Ground nut

26. E-nam was launched in which year

1. 2014
2. 2012
3. 2016
4. 2013
5. 2011

Ans: :2016

27. What is the premium rate for rabi crops under PMFBY

1. 2
2. 5
3. 1.5
4. 1.25
5. 1

Ans: :1.5

28. Which among the following propagation method is used in droopy/viney?

1. Serpentine layering
2. Tip layering

3. Air layering
4. Trench layering
5. Mound layering

Ans: :Serpentine layering

29. Banana is exported to gulf area. India export maximum banana to which among the following Arabian country?

1. Kuwait
2. Saudi Arabia
3. Qatar
4. Oman
5. Baharin

Ans: :Saudi Arabia

30. Which among the following crop has CRI as critical irrigation stage?

1. Wheat
2. Rice
3. Maize
4. Bajra
5. Mustard

Ans: :Wheat

31. PMFBY was started in which year?

1. 2016
2. 2014
3. 2015
4. 2012
5. 2011

Ans: :2016

32. Which among the following horticulture crop has lowest production

1. Fruit
2. Vegetable
3. Medicinal
4. Plantation
5. Spices

Ans: :Medicinal

33. Which among the following horticulture crop has lowest productivity

1. Fruit
2. Vegetable
3. Medicinal
4. Plantation
5. Spices

Ans: :Medicinal

34. Which among the following horticulture crop has highest productivity

1. Fruit
2. Vegetable
3. Medicinal
4. Plantation
5. Spices

Ans: :Vegetable

35. Which institute has developed Goat pox vaccine

1. IVRI
2. NDRI
3. Goat research institute
4. NDDDB
5. CARI

Ans: :IVRI

36. What is the cost of reclamation of acidic soils under RKVY?

1. 15000
2. 30000
3. 40000
4. 50000
5. 60000

Ans: :15000

37. What is the subsidy given for fishpond under blue revolution scheme

1. 40
2. 50
3. 60
4. 65
5. 33

Ans: :50

38. According to RBI rules how much loan can be given to poor and small farmers?

1. 1.5 lakhs
2. 2 lakhs
3. 2.5 lakhs
4. 3 lakhs
5. 1 lakh

Ans: :1 lakh

39. What is the propagation method of cashew?

1. Approach grafting
2. Softwood grafting
3. Budding
4. Cutting
5. layering

Ans: :Softwood grafting

40. What is the useful working hours of combine harvester?

1. 6000
2. 7000
3. 10000
4. 5000
5. 3000

Ans: :6000

41. How many mandis are covered under E-nam till now?

1. 500-600
2. 400-500
3. 350-450
4. More than 600
5. None of these

Ans: :500-600

42. Which river cover lowest area under farming?

1. Mahanadi
2. Krishna
3. Godawari
4. Indus
5. Narmada

Ans: :Indus

43. In which method Crop residue remain undisturbed condition but disturbed during sowing of seed and fertilizer injection

1. No till
2. Strip tillage
3. Reduced tillage
4. Mulch tillage
5. Conventional tillage

Ans: :No till

44. Which among the following biofertilizer do not provide nitrogen

1. Trichoderma viride
2. Rhizobium
3. Azotobactar
4. Acetobacter
5. Aspergillum

Ans: :Trichoderma viride

45. Which among the following state has highest labour wages per day

1. Tripura
2. Punjab

3. Haryana
4. Odisha
5. Bihar

Ans: :Haryana

46. How many cross breed are taken with fish culture in one hectare Land?

1. 4
2. 5
3. 6
4. 7
5. 8

Ans: :5

47. Tractor drawn power harrow capacity?

1. 1.5
2. 1
3. 3
4. 5
5. None of these

Ans: :1.5

48. What is the assistance of Power Tiller for SC/ST, Small & Marginal, Women farmers and NE States- below 8 BHP?

1. 25000
2. 50000
3. 65000
4. 70000
5. 80000

Ans: :50000

49. What is the Assistance for tube well/bore under RAD

1. 10000
2. 15000
3. 25000
4. 35000
5. None of these

Ans: :25000

50. Loan for building infrastructure for activities school, health care facility and sanitation facilities in priority sector lending?

1. 1 crore
2. 5 crore
3. 50 lakhs
4. 2 crore
5. 4 crore

Ans: :5 crore

51. Which among the following state has lowest labour wages per day

1. Gujarat
2. Tripura
3. Assam
4. Chhattisgarh
5. Punjab

Ans: :Tripura

52. What is the High-volume spray fluid quantity?

1. More than 400 Liter
2. Less than 400 Litre
3. More than 200 Litre
4. More than 300 Litre
5. More than 100 Litre

Ans: :More than 400 Liter

53. How many graft scion can be taken from a single plant according to NABARD?

1. 15
2. 20
3. 25
4. 30
5. 40

Ans: :15

54. Which among the following state has lowest ground brackish water in inland area

1. Odisha
2. Tamil Nadu
3. Maharashtra
4. Karnataka
5. Gujrat

Ans: :Karnataka

55. What is the field capacity of tractor drawn power harrow?

1. 0.5ha/day
2. 1.5ha/day
3. 2.5ha/day
4. 3.5ha/day
5. None of these

Ans: :1.5ha/day

56. What is the subsidy for 15 hp mb plough for SC/ST women according to NABARD

1. 0.16 lakh, 50%
2. 0.20 lakh, 40%
3. 20 lakh, 40%
4. 16 lakh, 50 %
5. None of these

Ans: :None of these

57.How many districts are covered under Lead bank scheme till now

1. 706
2. 278
3. 526
4. 678
5. 901

Ans: :706

IBPS SO AFO Mains 2017-18 Previous Year Paper

1.What are the optimum pH required for Guava?

1. 4.5 - 5.5
2. 4-6
3. Lessthan6.5
4. 6.5-8
5. More than 8

Ans: :6.5-8

2. Ratna variety of Mango isa cross of ?

1. Alphonso x Neelum
2. Amarpali x Neelum
3. Neelam x AlphAns: o
4. Dasehari x Sensation
5. Amarpali x Sensation

Ans: :Neelam x AlphAns: o

3. What are the optimum pH required for Banana ?

1. 4.5 - 5.5
2. 6.5 - 7.5
3. 4 - 6
4. less than 6.5
5. More than 7.5

Ans: :6.5 - 7.5

3.In Banana, Which nutrient is given in largest amount through fertigation?

1. N
2. P
3. Fe
4. B
5. K

Ans: :K

4. Which Fish has the highest protein content?

1. Tuna
2. Salmon
3. mrigal
4. Rohu
5. Catla

Ans: :Tuna

5. Which of the following is not a Quality of “4- stroke engine”?

1. Fuel is fully consumed
2. It is internal combustion engine
3. Fuel is not fully consumed
4. Fuel is constant.
5. Fuel is increasing than decreasing.

Ans: :Fuel is not fully consumed

6. Under PMFBY the premium % to be paid by Farmer of the total cost for Commercial and Horticultural crops?

1. 2%
2. 3%
3. 1.5%
4. 5%
5. 4%

Ans: :5%

7. Under Pradhan mantri Krishi Sinchayee yojana what amount of money allotted during the 5-year plan?

1. 2000 crore
2. 5000 crore
3. 50,000 crore
4. 20,000 crore
5. 10,000 crore

Ans: :50,000 crore

8. Which micronutrient plays a activist & catalytic role in the photosynthesis of plants?

1. N
2. P
3. S
4. Mg
5. B

Ans: :Mg

9. Which of the following is a highly salt tolerant crop?

1. Lime
2. Cotton
3. Mango

4. Jute
 5. Apple
- Ans: :Cotton

10. According to Interest subvention scheme what % farmers getting the short- term crop loan payable within one year up to Rs 3 lakhs at per annum?

1. 2%
 2. 4 %
 3. 5%
 4. 7%
 5. 1.5%
- Ans: :4 %

11. Totapari variety of Mango belongs to which state?

1. Orrisa
 2. Gujrat
 3. Andhra Pradesh
 4. Karnataka
 5. Maharashtra
- Ans: :Karnataka

13. Which among the following states have highest Alkali problematic soil?

1. Chhattisgarh
 2. MP
 3. Haryana
 4. MH
 5. Gujarat
- Ans: :Gujarat

14. Which of the following is a micronutrient?

1. Nitrogen
 2. Phosphorus
 3. Sulphur
 4. Iron
 5. Potash
- Ans: :Iron

15. Under PMFBY the premium % to be paid by Farmer of the total cost for kharif season crop?

1. 2%
 2. 3%
 3. 5%
 4. 1.5%
 5. 4%
- Ans: :2%

16. Feed is given to the newborn calf. What is daily weight gain of well-fed crossbreed calf?

1. 400 grams
2. 325 grams
3. 200grams
4. 300 grams
5. None of these

Ans: :400 grams

17. What is the power extracted by PTO?

1. 40-50
2. 50-60
3. 60-70
4. 70-80
5. 30-40

Ans: :70-80

18. In which form of cutting all branches of fodder crops are being cut or removed?

1. Pollarding
2. coppicing
3. Thinning
4. Heading back
5. Lopping

Ans: :Lopping

19. What is the annual rainfall of the Humid area in mm?

1. More than 1000 mm
2. 750- 1000 mm
3. less than 1000 mm
4. 500- 1000 mm
5. less than 750 mm

Ans: :More than 1000 mm

20. What is the optimum pH required for Grapes?

1. 4.5 - 5.5
2. 4-6
3. 5.5 - 6.5
4. more than 6.5
5. 6.5 - 7.5

Ans: :5.5 - 6.5

21. For cultivating land of around 40 hac for monocropping what HP tractor is preferred?

1. 30 HP
2. 25 HP
3. 35 HP
4. 45 HP
5. More than 35

Ans: :25 HP

22. Which tillage implement requires minimum draft per unit width?

1. Cultivator
2. Harvester
3. Planter
4. Dibbler
5. Driller

Ans: :Planter

23. What is the Capacity of High-volume sprayer?

1. 100-400
2. Less than 400
3. 200-250
4. More than 400
5. 300- 500

Ans: :More than 400

24. What is the HP power required for power sprayer?

1. 1-2 HP for power sprayer
2. 2-3 HP for power sprayer
3. 5-7 HP for power sprayer
4. 4-6 HP for power sprayer
5. 3-5 HP for power sprayer

Ans: :3-5 HP for power sprayer

25. Which of the following is a perennial in Nature?

1. Banana
2. Garlic
3. Tomato
4. Coconut
5. Sugar beet

Ans: :Coconut

26. What is the electrical conductivity of saline soil?

1. Less than 4
2. More than 8.5
3. More than 4
4. Less than 8.5
5. None of these

Ans: :More than 4

27. What is the efficiency of drip irrigation?

1. 95%
2. 85%
3. 80%

4. 70%
 5. 65%
- Ans: :95%

28. What is the ESP of saline-alkaline soils?

1. Less than 15
 2. More than 8.5
 3. Less than 8.5
 4. 11-15
 5. More than 15
- Ans: :More than 15

29. What is the pH range of the alkali soil?

1. Less than 8.2
 2. More than 8.2
 3. 7-8.2
 4. 5.5-7
 5. 6.5-8.2
- Ans: :More than 8.2

30. Which among the following wood is used for making plywood timber?

1. Sagwan
 2. Safeda
 3. Sandal wood
 4. Teak
 5. Aonla
- Ans: :Teak

31. Which nutrient helps in the formation of chlorophyll?

1. N
 2. P
 3. K
 4. Fe
 5. Mg
- Ans: :Mg

32. In which form of tillage, no plant is left undisturbed?

1. reduced tillage
 2. stubble mulch
 3. Clean Tillage
 4. conventional tillage
 5. strip tillage
- Ans: :Clean Tillage

33. Highest P₂₀₅ consumption is in which crop?

1. Groundnut

2. sugarcane
3. apple
4. jute
5. pineapple

Ans: :Groundnut

34. How much % of rice bran is used in fish feed?

1. 20%
2. 28%
3. 35%
4. 40%
5. 50%

Ans: :50%

35. Which among the following animal have highest S.N.F.?

1. Goat
2. Camel
3. Sheep
4. Horse
5. Buffalo

Ans: :Sheep

36. How much area should be covered by Forest according to forest policy 1988?

1. 28 %
2. 33%
3. 35%
4. 60%
5. 75%

Ans: :33%

37. In murrah Buffalo what is the age at first calving

1. 30-35 months
2. 35-40 months
3. 42-45 months
4. 55 months
5. None of these

Ans: :42-45 months

38. Which Institute had discovered the vaccine for Ranikhet disease?

1. Central Avian Research Institute
2. National Dairy Development Board
3. National Institute of High Security Animal Disease
4. National institute of Animal Nutrition and Physiology
5. Indian veterinary Research Institute

Ans: :Indian veterinary Research Institute

39. Which institute formulated vaccines on Rinderpest?

1. TVRI
2. NISHAD
3. NIANP
4. NDDB
5. CARI

Ans: :TVRI

40. What is the floor space required for "Broiler Poultry (s ft.)"

1. 0.5 s feet
2. 2 sq feet
3. 1S Feet
4. 25 sq feet
5. 1.5 sq feet

Ans: :1S Feet

41. What is the floor space required for pregnant cow?

1. 10-12 s feet
2. 100-120 S Feet
3. 100-120 s metre
4. 80-90 sq feet
5. None of these

Ans: :100-120 S Feet

42. Papaya was introduced in India in which Century?

1. 14" Century
2. 15" Century
3. 18" Century
4. 16" Century
5. 17" Century

Ans: :16 Century

43. Which Institute had developed Karan Fries breed?

1. NDDB, Gujrat
2. NDRI, karnal
3. IVRI, Izzatnagar
4. CARI, Izzatnagar
5. NISHAD, Banglore

Ans: :NDRI, karnal

44. Integrated scheme for Agriculture marketing was launched in which year?

1. 2015
2. 2016
3. 2012
4. 2013
5. 2014

Ans: :2014

45. Central Avian Research Institute, Izatnagar was established in which year?

1. 1979
2. 1989
3. 1889
4. 1999
5. 1879

Ans: :1979

46. What is the interest rate of kisan Credit card after Interest Subvention Scheme

1. 5%
2. 3%
3. 4%
4. 7%
5. 2%

Ans: :7%

47. While reclaiming acid water in aquatic pond, how much lime is required?

1. 250 kg
2. 550 kg
3. 400 kg
4. 600 kg
5. 800 kg

Ans: :250 kg

48. Highest Ca is present in which manure?

1. Sheep
2. Goat
3. Cattle
4. Poultry
5. Horse

Ans: :Poultry

49. What is the optimum relative humidity range for crop production?

1. 30-50 %
2. 50-70 %
3. 40-60%
4. 60-70 %
5. None of these

Ans: :40-60%

50. What is the name of the component with perennial hedge and crop?

1. Avenue crop
2. Cover crop
3. Augmenting crop

4. Alley crop
 5. Mixed crop
- Ans: :Alley crop

51. Which poultry breed has highest weight at the age of 5 weeks?

1. Aseel
 2. Frizzle
 3. Kadaknath
 4. Naked neck
 5. Both A and D
- Ans: :Aseel

52. Number of poultry batches can be reared in a year?

1. 5
 2. 6
 3. 7
 4. 8
 5. 8-9
- Ans: :7

53. How much time is taken for rearing of prawn?

1. 4 months
 2. 7 months
 3. 9 months
 4. 12 months
 5. More than 12 months
- Ans: :7 months

54. What is the size of semi intensive fish farm pond?

1. 0.5 ha
 2. 1 ha
 3. 2 ha
 4. 2.5 ha
 5. 3 ha
- Ans: :1 ha

55. In which year power tiller was introduced in India?

1. 1947
 2. 1950
 3. 1963
 4. 1966
 5. 1978
- Ans: :1963

56. Which among the following crop has largest area under 2015-16?

1. Wheat

2. Rice
 3. Maize
 4. Barley
 5. Berseem
- Ans: :Rice

57. Which among the following crop has highest production in 2015-16?

1. Wheat
 2. Rice
 3. Maize
 4. Barley
 5. Berseem
- Ans: :Rice

58. Which among the following is a temperate crop?

1. Wheat
 2. Rice
 3. Maize
 4. Barley
 5. Berseem
- Ans: :Wheat

59. Lopping is related to?

1. Wheat
 2. Rice
 3. Maize
 4. Lucerne
 5. Cotton
- Ans: :Lucerne

60. Highest SNF content is found in which animal milk?

1. Cow
 2. Buffalo
 3. Goat
 4. Sheep
 5. Swine
- Ans: :Sheep

