

Q1. Which type of organism thrives in high organic substrate conditions?

- (a) Autotrophs
- (b) Heterotrophs
- (c) Biotroph
- (d) Aerobic
- (e) Autochthonous

Answer: (b) Heterotrophs

Q2. What is the typical oestrous cycle duration for ewes?

- (a) 20 (18-24 days)
- (b) 21 (20-25 days)
- (c) 15 (14-18 days)
- (d) 10 (6-14 days)
- (e) 16 (14-19 days)

Answer: (e) 16 (14-19 days)

Q3. What percentage of male plants is found in dioecious types of papaya?

- (a) 10
- (b) 20
- (c) 15
- (d) 25
- (e) 30

Answer: (a) 10



Q4. What is the composition of loam soil in terms of sand, silt, and clay?

- (a) Equal percentage of sand, silt, and clay
- (b) Equal proportion of sand, silt, and clay
- (c) Equal properties of sand, silt, and clay
- (d) No relation with sand, silt, and clay
- (e) Dominated by sand, silt, and clay

Answer: (b) Equal proportion of sand, silt, and clay

Q5. Where is the ICAR Central Institute of Agricultural Engineering located?

- (a) Ranchi
- (b) Kolkata
- (c) Kanpur
- (d) Hyderabad
- (e) Bhopal

Answer: (e) Bhopal

Q6. For determining water requirements, the drum head culture technique is used for which crop?

- (a) Wheat
- (b) Rice
- (c) Potato
- (d) Jute/Maize

(e) Rapeseed

Answer: (b) Rice

Q7. Which microorganism or biopesticide causes symptoms similar to caterpillar wilt on plants?

- (a) Bacillus thuringiensis
- (b) Nuclear Polyhedrosis Virus
- (c) Beauveria bassiana
- (d) Bacillus sphaericus
- (e) Paecilomyces lilacinus

Answer: (b) Nuclear Polyhedrosis Virus

Q8. Phosphate-solubilizing bacteria (PSB) are used to enhance the availability of which nutrient?

- (a) Nitrogen
- (b) Potassium
- (c) Phosphorus
- (d) Calcium
- (e) Sulphur/Zinc

Answer: (c) Phosphorus

Q9. What is the advanced stage of gully erosion where large portions of soil are transported?

- (a) Sheet
- (b) Rill
- (c) Ravine

(d) Riverbank erosion

(e) Splash erosion

Answer: (c) Ravine

Q10. What is the subvention rate for loans above ₹3 lakh and up to ₹5 lakh under the scheme during FY 2022-23?

(a) 1.5%

(b) 4%

(c) 2%

(d) 5%

(e) 3%

Answer: (d) 5%

Q11. What is the term for woodland and widely spaced trees covered by grasses in a hot climate?

(a) Mangrove forest

(b) Savannah

(c) Boreal forest

(d) Cloud forest

(e) Subtropical Forest

Answer: (b) Savannah

Q12. What is the fat content present in Double Tone Milk?

(a) 3%



- (b) 2%
- (c) 1.5%
- (d) 2.5%
- (e) 3.5%

Answer: (c) 1.5%

Q13. Muga silkworm feeds on which plants?

- (a) *Morus alba*
- (b) *Terminalia arjuna*
- (c) *Machilus bombycina*
- (d) *Bombax ceiba*
- (e) *Ricinus communis*

Answer: (c) *Machilus bombycina*

Q14. Gibberellin was first isolated from which organism?

- (a) Fungus
- (b) Virus
- (c) Bacteria
- (d) Mycoplasma
- (e) BGA

Answer: (a) Fungus

Q15. The Journal of Plant Nutrition is published by?



- (a) Indian Soil Science Society
- (b) American Society of Agronomy
- (c) Taylor and Francis Limited
- (d) Oxford Academic Journal
- (e) Organic Institute

Answer: (c) Taylor and Francis Limited

Q16. What is the unit of crop water use efficiency?

- (a) kg/ha/mm
- (b) gm/ha/m
- (c) Kg/hac/cm
- (d) mm/kg
- (e) kg/ha

Answer: (a) kg/ha/mm

Q17. In soil, both organic and inorganic colloids suspended in water carry a charge of?

- (a) Neutral
- (b) Positive
- (c) Negative
- (d) No
- (e) Optimistic

Answer: (c) Negative



Q18. Arka Puneet, a variety of mango resistant to spongy tissue and producing oval-shaped fruit, is developed by crossing?

- (a) Dassehari × Neelum
- (b) Alphonso × Banganapalli
- (c) Ratna × Alphonso
- (d) Neelum × Alphonso
- (e) Banganapalli × Alphonso

Answer: (c) Ratna × Alphonso

Q19. Which is a non-protein nitrogen component found in fish?

- (a) TMAO
- (b) Collagen
- (c) Myosin
- (d) Typson
- (e) Acetone

Answer: (a) TMAO



Q20. Which type of soil contains high organic content and humus?

- (a) Peat Soil
- (b) Red Soil
- (c) Laterite Soil
- (d) Arid Soil
- (e) Dessert Soil



Answer: (a) Peat Soil

Q21. Leaf area index is measured by which instrument?

- (a) Propeller meter
- (b) Ceptometer
- (c) Orifice meter
- (d) Lux meter
- (e) Air flow meter

Answer: (b) Ceptometer

Q22. Lordosis disease in fish is caused by the deficiency of?

- (a) Vit B12
- (b) Vit C
- (c) Vit B3
- (d) Vit D
- (e) Vit B2



Answer: (b) Vit C

Q23. For the very first time Artificial Insemination in India was introduced by?

- (a) Dr. Sampath Kumaran
- (b) P Bhattacharya
- (c) Dr. G Choudhary
- (d) Elias Ivanoff



(e) G C Banerjee

Answer: (a) Dr. Sampath Kumaran

Q24. Which of the following is the hybrid variety of apple made by crossing Red Delicious × Ambri, which is colorful and sweet in taste and has good shelf life?

(a) Sunheri

(b) Ambroyal

(c) Lal Ambri

(d) Ambrich

(e) Chaubatia Anupam

Answer: (c) Lal Ambri

Q25. Pusa Jai Kisan is a variety of?

(a) Mustard

(b) Lentil

(c) Rice

(d) Wheat

(e) Maize

Answer: (a) Mustard

Q26. In which demonstration type is the method of doing something shown to farmers (like broadcasting, sowing, grafting) to explain and motivate them to adopt new techniques?

(a) Extension education

(b) Front Line demonstration



- (c) Method demonstration
- (d) Result demonstration
- (e) Farm and Home visit

Answer: (c) Method demonstration

Q27. Which of the following is true about the limit of the KCC (Kisan Credit Card) scheme?

- (a) Scale of finance + threshold operational holding + 5% for post-harvest loss
- (b) Scale of finance + threshold operational holding + 10% for family expenses
- (c) Scale of finance + threshold operational holding + 10% for family expense + 5%/20% for one more expense + Crop insurance
- (d) Scale of finance + Operational holding + 10% for farm asset management + 5%/20% for one more expense + Crop insurance
- (e) Scale of finance for the crop × Extent of area cultivated + 10% of limit towards post-harvest + 20% of limit towards repairs and maintenance expenses of farm assets + crop insurance

Answer: (e) Scale of finance for the crop × Extent of area cultivated + 10% of limit towards post-harvest + 20% of limit towards repairs and maintenance expenses of farm assets + crop insurance

Q28. In Minimum Support Price (MSP), CACP considers A2+FL cost for return. What does FL indicate?

- (a) Comprehensive cost of rent of own land
- (b) Interest on own capital
- (c) Future loss because of uncertainties
- (d) Wages taken as labour for his own family members
- (e) Comprehensive cost of leased land

Answer: (d) Wages taken as labour for his own family members

Q29. Vanaraja chicken variety was developed by which ICAR Directorate of Poultry Research?

- (a) CARI, Izzatnagar
- (b) DPR, Hyderabad
- (c) KVAF, Bangalore
- (d) CPBF, Mumbai
- (e) CPBF, Chandigarh

Answer: (b) DPR, Hyderabad

Q30. Laboratory testing under DPPS is approved by which autonomous body under ISO/IEC 17011?

- (a) ICAR
- (b) NABL laboratory certification
- (c) National Horticultural Board
- (d) NCIPM
- (e) National accreditation for testing and calibrating laboratories

Answer: (b) NABL laboratory certification

Q31. Which of the following inoculum, when cultured in a laboratory, can be used to increase the availability of Phosphorous in the soil?

- (a) Azolla
- (b) Azospirillum
- (c) Azotobacter



(d) Pseudomonas striata

(e) Anabaena

Answer: (d) Pseudomonas striata

Q32. For Egg shell formation, which nutrient is essential?

(a) Ca

(b) P

(c) Mg

(d) Fe

(e) K

Answer: (a) Ca

Q33. What is the electrical conductivity of soil in ds/m under good management and drainage practices, which gives satisfactory production?

(a) 3 to 4

(b) 0.25-0.50

(c) 0.5-2

(d) 0.75-2.25

(e) 0.10-0.25

Answer: (c) 0.5-2

Q34. The phenomenon by which heterozygous individuals are phenotypically distinguishable from homozygous types is called?

(a) Genetic recombination

- (b) Incomplete dominance
- (c) Heritability
- (d) Heredity
- (e) Homozygous

Answer: (b) Incomplete dominance

Q35. Irradiation (or Gamma radiation) amount required in kGy to stop the sprouting of potato and reduce solanine production is?

- (a) 0.03 kGy
- (b) 0.1 kGy
- (c) 0.01 kGy
- (d) 0.25 kGy
- (e) 0.30 kGy

Answer: (b) 0.1 kGy

Q36. What is the germination percentage required for the hybrid seed production of tomato?

- (a) 80%
- (b) 85%
- (c) 70%
- (d) 90%
- (e) 75%

Answer: (d) 90%

Q37. What is the right time for harvesting Button mushrooms?

- (a) Lower part gets round, and mushroom turns brown
- (b) When the mushroom attains egg size
- (c) When 30-35 cm head with double height of pedicle and twice the height of stem
- (d) Diameter gets bigger 2-3 times than the lower stem
- (e) Harvesting is done at button stage

Answer: (e) Harvesting is done at button stage

Q38. GMO food developed using genetic engineering or having microorganisms in it is known as?

- (a) Organic food
- (b) Novel food
- (c) Genetically modified or Engineered food
- (d) Health food
- (e) Conventional food

Answer: (c) Genetically modified or Engineered food

Q39. For AI (Artificial Insemination), the semen is collected and stored at -196°C using which of the following?

- (a) Liquid nitrogen
- (b) Burst ice
- (c) Cold ice
- (d) Helium Nitrogen
- (e) Sodium

Answer: (a) Liquid nitrogen

Q40. Who has been appointed as the convenor of the Sub-Committees (SSCs) of the District Consultative Committee (DCC) for the regulation of credits?

- (a) LDO of Reserve Bank of India
- (b) DDM of NABARD
- (c) Lead District Manager
- (d) District Collector
- (e) CEO of Zilla Parishad

Answer: (c) Lead District Manager

Q41. Marigold is used as a trap crop for which among the following?

- (a) Jassids
- (b) Thrips
- (c) Nematode
- (d) Aphid
- (e) Whitefly

Answer: (c) Nematode

Q42. What is the maximum limit per borrower in the Agriculture sector under priority sector lending by banks, NBFC (other than MFIs)?

- (a) 10 lakhs
- (b) 15 lakhs
- (c) 20 lakhs



(d) 25 lakhs

(e) 5 lakhs

Answer: (a) 10 lakhs

Q43. What are the symptoms of Brucellosis disease in goats?

(a) Abortion in late pregnancy

(b) Abdomen pain and Loss of appetite

(c) Abortion or delivery of immature baby calf

(d) Swollen udder and Pain in udder and yield reduction

(e) Fever, nasal discharge and coughing

Answer: (a) Abortion in late pregnancy

Q44. Convulsions of the mammary gland and cessation of lactation and shrinkage of alveolus is termed as?

(a) Galatopoesis

(b) Involution

(c) Galactophore

(d) Galactoxidase

(e) Lacteal

Answer: (b) Involution

Q45. Which toxic compound is present in Cotton seed meal?

(a) Free Gossypol

- (b) Marmeiosin
- (c) HCN
- (d) Aflatoxin
- (e) Phytate

Answer: (a) Free Gossypol

Q46. Mostly in Maharashtra and Karnataka, most adopted sugarcane practice planted in October- November, and its life is 15–16 months is called?

- (a) Ratoon
- (b) Suru
- (c) Eksali
- (d) Adsali
- (e) Pre Seasonal

Answer: (b) Suru

Q47. Which system is used for training in seedless grapes, which uses the advantage of the bower system but doesn't use its disadvantages?

- (a) Y trellis and gable
- (b) Espalier
- (c) Overhead and Kniffin
- (d) Telephone and Kniffin
- (e) Kniffin and V

Answer: (e) Kniffin and V



Q48. The ratio of Yellow stem borer and Wolf spider (Predator) for the IPM management of Rice is?

- (a) 1:5
- (b) 1:10
- (c) 1:15
- (d) 1:20
- (e) 10:1

Answer: (c) 1:15

Q49. What is the percentage contribution of the livestock sector to the agriculture GVA in India?

- (a) 30.23 %
- (b) 28.65%
- (c) 33%
- (d) 24%
- (e) 25%

Answer: (a) 30.23 %



Q50. Which is the branch of meteorology in which forecast is done for crop, tillage, and animal husbandry?

- (a) Synoptic meteorology
- (b) Agriculture meteorology
- (c) Dynamic meteorology
- (d) Statistical meteorology
- (e) Physical meteorology



Answer: (b) Agriculture meteorology

Q51. The lignin and polysaccharide mixture which is left undigested in the stomach of the animal is called?

- (a) Crude fibre
- (b) Crude protein
- (c) Prostaglandin
- (d) Tri glycerides
- (e) Glycerol

Answer: (a) Crude fibre

Q52. When rice seedlings are grown in nurseries, which implement is used to establish rice seedlings in puddled soil condition?

- (a) Hand hoe
- (b) Seed Drill
- (c) Transplanter
- (d) Seed cum fertilizer
- (e) Planter

Answer: (c) Transplanter

Q53. Modified stems grow horizontally on or below the surface with nodes, internodes, and scars of leaves. This is called?

- (a) Runner
- (b) Offshoot

- (c) Sucker
- (d) Rhizome
- (e) Tuber

Answer: (d) Rhizome

Q54. Which selective herbicide is commonly used for pre and post-emergence weed control in grass- like plants such as rice and maize or broadleaf crops?

- (a) 2,4 D
- (b) Glyphosate
- (c) Atrazine
- (d) Butachlor
- (e) Pendimethalin

Answer: (d) Butachlor

Q55. Fig is more susceptible to sunscald. It can be managed by?

- (a) Training and girdling
- (b) By some chemicals
- (c) Maintaining the canopy and applying lime on exposed trunk
- (d) Spray of GA3
- (e) Application of potassium

Answer: (c) Maintaining the canopy and applying lime on exposed trunk

Q56. What is the role of the elements like Fe, Mn, Zn, Cu, Mo other than K, Ca, and Mg in plants?

- (a) Energy exchange, transfer, and bonding
- (b) Regulators and carriers
- (c) Chemical reaction activation enzymes
- (d) Energy storage, carriers, and electron transfer
- (e) Enzyme activation and carrier

Answer: (c) Chemical reaction activation enzymes

Q57. What type of culture is used for producing triploid plants?

- (a) Endosperm culture
- (b) Callus culture
- (c) Shoot Meristem/Embryo culture
- (d) Pollen culture
- (e) Apical meristem

Answer: (a) Endosperm culture

Q58. It is the most notorious pest of cole crops, which almost defoliates plants by eating?

- (a) Diamond back moth
- (b) Leaf Webber
- (c) Stripped beetle
- (d) Stem borer
- (e) Painted bug

Answer: (a) Diamond back moth

Q59. The amount of water vapor that is present in the environment as opposed to how much water vapor it can hold in terms of percentage is called?

- (a) Relative humidity
- (b) Saturation water vapor pressure
- (c) Vapor pressure deficit
- (d) Dew point
- (e) None of these

Answer: (a) Relative humidity

