

Punjab National Bank Agriculture Officers Exam., 2009
Professional Knowledge (Agriculture) : Solved Paper
(Held on 4-1-2009)

1. This 'Biofertilizer' is a nitrogen fixing micro-organism, beneficial for non-leguminous as well as for vegetable crops—
 - (A) Rhizobium (RHZ)
 - (B) Azotobacter (AZT)
 - (C) Azospirillum (AZS)
 - (D) Blue Green Algae (BGA)
 - (E) Phosphate Solubilising (PSB) mobilizing bacteria

2. What percentage of total area under Banana cultivation in India presently, is cultivated by using Tissue-cultured (GMO) plantlets ?
 - (A) 10 per cent
 - (B) 15 per cent
 - (C) 20 per cent
 - (D) 25 per cent
 - (E) 30 per cent

3. As per the recent 'Micro-credit Summit (2007)', what percentage of total Micro Finance Institutions (MFIs) in India serves less than, 10,000 clients (number of clients per MFI) ?
 - (A) 70 per cent
 - (B) 75 per cent
 - (C) 80 per cent
 - (D) 85 per cent
 - (E) 90 per cent

4. Fisheries Sector in India contributes what percentage of Agricultural—'Gross Domestic Product' (GDP), as on March 2007 ?
 - (A) 2.5 per cent
 - (B) 3.5 per cent
 - (C) 4.5 per cent
 - (D) 5.5 per cent
 - (E) 6.5 per cent

5. This agricultural product/horticultural crop requires 2 degree Celsius temperature and 90 per cent humidity for storing in the cold storage—
 - (A) Mango pulp
 - (B) Roses
 - (C) Mushroom
 - (D) Milk Products
 - (E) Fish Products

6. The plan outlay for Irrigation Sector to total plan outlay in India was highest (12.5 per cent) in this Five Year Plan (FYP)—
 - (A) VIth Five Year Plan
 - (B) VIIth Five Year Plan
 - (C) VIIIth Five Year Plan

- (D) IXth Five Year Plan
- (E) Xth Five Year Plan

7. The recommended ratio of use of NPK, the chemical fertilizer by farmers in India is—

- (A) 2 : 2 : 2
- (B) 3 : 2 : 1
- (C) 4 : 2 : 1
- (D) 5 : 2 : 1
- (E) 6 : 2 : 1

8. This state is a leader in production and export of the Gherkins (Hybrid Cucumber) under the Contract Farming—

- (A) Tamil Nadu
- (B) Andhra Pradesh
- (C) Karnataka
- (D) Kerala
- (E) Maharashtra

9. What should be the optimum spacing (in meters) for planting 'Pusa Nanha' variety of Papaya under the High Density Planting ?

- (A) 1.25 m × 1.25 m
- (B) 1.50 m × 1.50 m
- (C) 1.75 m × 1.75 m
- (D) 2.00 m × 2.00 m
- (E) 2.50 m × 2.50 m

10. Dramatic increase in food prices world over had severe consequences for third world countries (FAO, 2008). How many countries in the world are now facing food crisis, because of this phenomenon ?

- (A) 35 countries
- (B) 36 countries
- (C) 37 countries
- (D) 38 countries
- (E) 39 countries

11. How many outbreaks of 'Avian Influenza (H5N1)' were recorded in West Bengal and Tripura during January 2008 and May 2008 ?

- (A) 37
- (B) 39
- (C) 40
- (D) 41
- (E) 42

12. According to Dr. C. Rangarajan 'Committee on Financial Inclusion (2007)', what percentage of Rural Population in India holds Bank Account ?

- (A) 18 per cent
- (B) 24 per cent
- (C) 31 per cent
- (D) 35 per cent

(E) 40 per cent

13. Which one of the following Indian States is the largest beneficiary or gainer of the SGSY–credit extended by Banks during 2006–07 ?

- (A) Tamil Nadu
- (B) Bihar
- (C) Orissa
- (D) Uttar Pradesh
- (E) None of these

14. This variety of Tomato is highyielding with good quality fruits and suitable for Jharkhand State for cultivation—

- (A) Swarna Lalima
- (B) Swarna Shyamali
- (C) Swarna Pratibha
- (D) Swarna Shree
- (E) Swarna Manohar

15. How many plants/trees of Amrapali variety of mango could be profitably accommodated, when planted at 5·0 m × 5·0 m (square method) per hectare ?

- (A) 1,400 plants
- (B) 1,500 plants
- (C) 1,600 plants
- (D) 1,700 plants
- (E) None of these

16. Which one of the following Brinjal hybrid varieties recently released suitable for U.P. Punjab, Bihar and Jharkhand—

- (A) Kashi Sandesh
- (B) Swarna Shakti
- (C) Kashi Ganesh
- (D) HA BH-17
- (E) HA BH-3

17. ‘Sweta Seedless’ grape variety recently released by IIHRBangalore, is suitable for growing in—

- (A) North India
- (B) South India
- (C) Western India
- (D) Eastern India
- (E) All over the country

18. Which one of the following rice/paddy hybrid varieties having superfine grain, aromatic, matured within 120-125 days and recently released for cultivation in Haryana, Delhi and Uttarakhand ?

- (A) PA 6201
- (B) Pusa RH 10
- (C) KRH2
- (D) RH 204
- (E) Pant Sankar Dhan 3

19. Rabi Sorghum is an important crop suitable for 'Rainfed Ecosystem' of this State—
(A) Maharashtra
(B) Karnataka
(C) Gujarat
(D) Bihar
(E) Tamilnadu
20. This 'Agro-Ecosystem' is characterized by low, erratic rainfall with high coefficient of variation and frequent droughts in India—
(A) Irrigated agro-ecosystem
(B) Arid agro-ecosystem
(C) Coastal agro-ecosystem
(D) Rainfed agro-ecosystem
(E) Hill and Mountain agroecosystem
21. 'Leaf Rust' is a serious disease of this crop and till date, there is no effective and ecologically safe fungicide for controlling this disease—
(A) Sweet Potato
(B) Grape
(C) Rice
(D) Wheat
(E) Sorghum
22. What is botanical (Scientific) name of Safed Musli—a medicinal plant grown almost all over India ?
(A) *Chlorophytum borivilianum*
(B) *Curculigo orchioides*
(C) *Piper longum*
(D) *Solanum surattense*
(E) None of these
23. Central Institute of Post-Harvest Engineering and Technology is located at—
(A) Abohar (Punjab)
(B) Ludhiana (Punjab)
(C) Bangalore (Karnataka)
(D) Bhopal (Madhya Pradesh)
(E) Hyderabad (Andhra Pradesh)
24. Which one of the following Castor hybrids, you will suggest for getting good yields for rainfed and irrigated areas of Rajasthan State ?
(A) RHC 1 (VP-1 × TMV5-1)
(B) DCH 6 (JP 65 × JI 96)
(C) DCH 519 (M574 × DCS 78)
(D) DCH 177 (DCP 9 × DCS 9)
(E) None of these
25. Which one of the following 'mixed cropping' pattern you would suggest to the farmers for getting higher economic benefits ?
(A) Bhindi + Spongegourd

- (B) Mango + Turmeric
- (C) Mango + Colocasia
- (D) Mango + Groundnut
- (E) Colocasia + Turmeric

26. Which one of the following States has created 'Organic Commodities Board' to promote and restore value of foodcrops, which are mostly grown on marginal lands ?

- (A) Kerala
- (B) Karnataka
- (C) Jharkhand
- (D) Madhya Pradesh
- (E) Uttarakhand

27. The Central Frozen Semen Production and Training Institute is one of the premier Institute of Animal Husbandry, is located at (HQ)—

- (A) Hessarghatta (Karnataka)
- (B) Sunabada (Orissa)
- (C) Dhamrod (Gujarat)
- (D) Suratgarh (Rajasthan)
- (E) Andeshnagar (Uttarakhand)

28. What percentage of total cultivable area in India is under 'Horticultural Crops' ?

- (A) 10 per cent
- (B) 11 per cent
- (C) 12 per cent
- (D) 13 per cent
- (E) 14 per cent

29. 'National Agricultural Insurance Scheme' (NAIS) was in operation in India since—

- (A) Rabi season 1999–2000
- (B) Kharif season 1998–1999
- (C) Rabi season 2000–2001
- (D) Kharif season 2000–2001
- (E) None of these

30. 'Pusa Arunima' is an improved hybrid variety of this crop released by IARI, New Delhi—

- (A) Mango
- (B) Guava
- (C) Grape
- (D) Citrus
- (E) Pomegranate

31. As on 2007, how many Indian States/Union Territories (UTs) have partially modified their respective Acts under the 'Agricultural Marketing Reforms' ?

- (A) 12 States/UTs
- (B) 13 States/UTs
- (C) 14 States/UTs
- (D) 15 States/UTs
- (E) 16 States/UTs

32. What is the total 'Export Earnings' (Rs. crore) in 2004-05 from livestock, poultry and related products in India ?

- (A) Rs. 2200 crore
- (B) Rs. 2250 crore
- (C) Rs. 2300 crore
- (D) Rs. 2350 crore
- (E) Rs. 5150 crore

33. Which one of the following States is leading one (Ranked first) in production of 'Cut Flowers' in India ?

- (A) Maharashtra
- (B) Karnataka
- (C) Andhra Pradesh
- (D) Uttar Pradesh
- (E) West Bengal

34. To accommodate 277 plants of 'Acid Lime' in one hectare area, what should be the spacing between two plants ?

- (A) 5.5 m × 5.5 m
- (B) 6.0 m × 6.0 m
- (C) 6.5 m × 6.5 m
- (D) 7.0 m × 7.0 m
- (E) None of these

35. Which one of the following 'Maize Hybrids', you will suggest to the farmers of Punjab State for growing in 'Rabi season' for Higher Yields ?

- (A) Vivek Hybrid
- (B) Vivek Hybrid 15
- (C) Hybrid Sheetal
- (D) Deccan 115
- (E) Pratap Hybrid Makka 1

36. According to 'National Sample Survey Organisation' (NSSO 2006), which one of the following Information Sources is most availed by the Indian farmers in getting farm information ?

- (A) Radio/TV
- (B) Farm Input Dealers
- (C) Progressive Farmers
- (D) Krishi Vigyan Kendras
- (E) Agricultural University Specialist

37. More than 40 per cent of the 197 Private Sugar Mills in India are located in this State—

- (A) Uttar Pradesh
- (B) Tamilnadu
- (C) Chhattisgarh
- (D) Andhra Pradesh
- (E) Karnataka

38. What is the subsidy component to the total loan amount/total investment available to SC, ST, woman and other disadvantaged sections candidates under the scheme of 'Establishing Agriclinc and

Agribusiness Centres' by the Agri/Vet/Horticultural graduates ?

- (A) 25 per cent
- (B) 33.33 per cent
- (C) 50 per cent
- (D) 60 per cent
- (E) 80 per cent

39. In which one of the following years, the NABARD was established in India—as an Apex Financial Institution for Rural and Agricultural Development ?

- (A) 1980
- (B) 1981
- (C) 1982
- (D) 1983
- (E) 1984

40. As per the RBI's directives, Banks should not insist upon the margin/collateral security for the loans to borrowers upto the limits of—

- (A) Rs. 50,000
- (B) Rs. 75,000
- (C) Rs. 1,00,000
- (D) Rs. 1,25,000
- (E) Rs. 1,50,000

Answers :

1. (B) 2. (B) 3. (E) 4. (B) 5. (D) 6. (B) 7. (C) 8. (B) 9. (A) 10. (E)
11. (B) 12. (A) 13. (E) 14. (A) 15. (E) 16. (D) 17. (B) 18. (B) 19. (A) 20. (B)
21. (D) 22. (A) 23. (B) 24. (D) 25. (A) 26. (E) 27. (A) 28. (A) 29. (A) 30. (A)
31. (C) 32. (E) 33. (B) 34. (B) 35. (B) 36. (A) 37. (A) 38. (A) 39. (C) 40. (B)