

1. How many factors are identified for influencing plant growth till now ?

- (A) 55
- (B) 60
- (C) 52
- (D) 50

Answer: C

2. How does the moisture stress affect the cell

- (A) Affect cell division
- (B) Affect cell expansion
- (C) Cell mortality rate is affected
- (D) No effect on cell

Answer: A

3. At the vegetative growth stage, flowering is stopped in food-grain crops, known as-

- (A) sigmoid growth curve
- (B) determinate growth
- (C) indeterminate growth
- (D) grand growth period

Answer: B

4. Which one of the following can be assessed by using the following equation ?

A= Economic Production / Biomass Production

- (A) Panicle emergence rate
- (B) Rate of flowering
- (C) Harvest Index
- (D) Leaf production rate

Answer: C

5. How much radiation energy percentage radiating on plant is used in photosynthesis ?

- (A) 0-50%-210%
- (B) 0-42%-1•66%
- (C) 0-25%-0-30%
- (D) 0-16%-0-24%

Answer: B

6. The crop with yarns of sunnhemp is prepared in-

- (A) 12-15 weeks
- (B) 15-17 weeks
- (C) 10-12 weeks
- (D) 8-10 weeks

Answer: A

7. Which is not an inorganic matter in the following ?

- (A) Magnesium
- (B) Iron
- (C) Fat
- (D) Iodine

Answer: C

8. Which is the highest digestible protein non-leguminous crop among the following

- (A) Napier
- (B) Maize silage
- (C) Maize
- (D) Lowar

Answer: D

9. Which disease occurs, when more sorghum is consumed ?

- (A) Rickets
- (B) Scurvy
- (C) Night blindness
- (D) Pellagra

Answer: D

10. Which Sorghum variety is not multicut ?

- (A) Pusa Chari -2
- (B) M. P. Chari -2
- (C) M. P. Chari
- (D) U. P. Chari -1

Answer: D

11. Which is not true in relation to Bajra ?

- (A) Pennisetum typhoides
- (B) Graminae family
- (C) Chromosome No. - 20
- (D) Origin Africa

Answer: D

12. Which variety of Barley is huskless

- (A) Pragati (K 508)
- (B) Ritambhara (K 551)
- (C) Geetanjali (K 1149)
- (D) Karan-3

Answer: D

13. Which is not true in relation to Gram ?

- (A) Subfamily—Papilionaceae
- (B) Chromosome No. -22
- (C) Acid—Malic and Oxalic
- (D) Origin—North America

Answer: D

14. Which does not match in relation to Cotton ?

- (A) C-520 — Diploid
- (B) G-27 — Diploid
- (C) Vikas — American
- (D) Ranivan — American

Answer: D

15. Which is not matched in relation to sugarcane ?

- (A) Seed treatment—Agol 3%
- (B) For seed—6-7 month old crop
- (C) Sowing—Upper portion is more used
- (D) After flowering—Used for sowing

Answer: D

16. Which is not basic principle of Agronomy ?

- (A) To select appropriate materials for seed & sowing
- (B) Management of soil and climate
- (C) Appropriate intercropping activities management for crop
- (D) Livestock management for Agriculture

Answer: D

17. Where and when was World Meteorological Organization established ?

- (A) New York - 1980
- (B) Washington-1978

- (C) Geneva-1978
- (D) Rome- 1976

Answer: C

18. Effective cause of atmospheric pressure is not-

- (A) temperature
- (B) altitude from the sea level
- (C) rotation of earth
- (D) soil erosion

Answer: D

19. Which is not correct in the following ?

- (A) X-rays and Gamma rays - 9% of energy
- (B) Visible lighting rays -41% of energy
- (C) Infrared rays -50% of energy
- (D) Ultraviolet rays- 10% of energy

Answer: A

20. Match List-I with List-II and select the correct answer using the codes given below-

List-I

- (a) Paddy (b) Wheat
- (c) Maize (d) Groundnut

List-II

- 1. 20°C 2. 22°C
- 3. 25°C 4. 26°C

Codes

- (a) (b) (c) (d)
- (A) 4 2 3 1
- (B) 2 1 4 3
- (C) 3 4 2 1
- (D) 1 3 4 2

Answer: B

21. Which states are the highest & lowest producers of Potato crop ?

- (A) Uttar Pradesh and Jharkhand
- (B) Gujarat and Assam
- (C) Uttar Pradesh & Himachal Pradesh
- (D) Bihar & Kashmir

Answer: A

22. Which elements are useful in energy storage, transfer and bonding ?

- (A) N P K
- (B) N S P
- (C) N K S
- (D) None of these

Answer: C

23. Which of the following elements play an important role in nitrogen metabolism ?

- (A) Magnesium
- (B) Manganese
- (C) Molybdenum
- (D) Iron

Answer: C

24. How much Brinjal seed may be obtained from one hectare area ?

- (A) 150-200 kg

- (B) 100-150 kg
- (C) 200-300 kg
- (D) 75-125 kg

Answer: D

25. Which species of honeybee is not Indian ?

- (A) *Apis florea*
- (B) *Apis dorsata*
- (C) *Apis cerana*
- (D) *Apis mellifera*

Answer: D

26. Which of the following is the cross of Karan Swiss ?

- (A) Sahiwal x Brown Swiss
- (B) Sahiwal x Holstein
- (C) Hariyana x Brovsm Swiss
- (D) Hariyana x Jersey

Answer: A

27. For how many years is Sheep able to breed ?

- (A) 10 years
- (B) 7years
- (C) 5 years
- (D) 12 years

Answer: A

28. How much area m<sup>2</sup> is required for a Goat ?

- (A) 0-9 ~ 1.0 m<sup>2</sup>
- (B) 1-1-5 m<sup>2</sup>
- (C) 0-75 - 090 m<sup>2</sup>
- (D) 1-5 - 1-75 m<sup>2</sup>

Answer: C

29. Goal of extension education is-

- (A) To promote income of the farmers
- (B) To promote production of the crops
- (C) To promote new crops
- (D) To promote scientific outlook

Answer: D

30. The major fungi that effect food-grains in storage are--

- (A) *Mucor*
- (B) *Rhizopus*
- (C) *Candida*
- (D) *Aspergillus*

Answer: A

31. The leaching loss of Nitrogen (N) is more in the form of-

- (A) Ammonia
- (B) Nitrate
- (C) Nitrogen
- (D) Water solution

Answer: B

32. Which is not a natural factor affecting soil fertility ?

- (A) Topography
- (B) Soil age
- (C) Air
- (D) Parent material

Answer: C

33. Approximately how much area

in lakh hectares of saline and alkali soils are there in Uttar Pradesh ?

- (A) 15-00 lakh hectares
- (B) 12-4 lakh hectares
- (C) 10-4 lakh hectares
- (D) 14-4 lakh hectares

Answer: B

34. How much percentage of soluble salts are present in Alkali soils ?

- (A) 1% - 2%
- (B) 0-1% - 0-2%
- (C) 1-5% - 2-5%
- (D) 2% - 3%

Answer: B

35. How much is the cropped area in Uttar Pradesh ?

- (A) 9%
- (B) 11%
- (C) 12%
- (D) 8%

Answer: C

36. The monsoon winds in the country reach at which bank first of all ?

- (A) Coastal region of Orissa
- (B) Bay of Bengal region
- (C) Coastal region of Kerala of South Indian region
- (D) Kachchh region of Gujarat

Answer: C

37. A. D. P. to A. T. P. change is called

- (A) Photosynthesis
- (B) Phosphorylation
- (C) Transpiration
- (D) Oxidation

Answer: B

38. What is the order of C 4 plants ?

- (A) Sugarcane - Maize - Sudan grass - Bajra
- (B) Sugarcane - Cotton - Paddy - Maize
- (C) Sudan grass - Sugarcane - Paddy - Bajra
- (D) Cotton - Maize - Bajra - Sugarcane

Answer: A

39. At what stage are more nutrients essentially required in cereal crops ?

- (A) Growth stage of plants
- (B) Formation of leaves
- (C) Particle initiation
- (D) Maturity of crops

Answer: A

40. At which stage of crop, there is no competition for light, moisture and nutrients ?

- (A) Node formation stage
- (B) Seedling stage
- (C) Grain formation stage
- (D) Before maturity stage

Answer: D

41. Approximately how much HCN dose is harmful for animal feeding  
(A) 0-25 gm  
(B) 050 gm  
(C) 2•50 gm  
(D) 3-50 gm

Answer: B

42. Due to which reason is the Napier Grass mixed with Cluster bean or Cowpea for feeding ?  
(A) Due to high crude fibre  
(B) Due to oxalic acid  
(C) Due to more carbohydrates  
(D) Due to more HCN content

Answer: A

43. Which is the perennial variety of Elephant Grass (Napier Grass) ?  
(A) Pusa Giant  
(B) NB-21  
(C) Pusa Giant Napier  
(D) Napier-1

Answer: C

44. More than how much percentage of loss of urea should not be during silage fermentation ?  
(A) 20% - 22%  
(B) 15% - 18%  
(C) 10% - 12%  
(D) 8% - 10%

Answer: D

45. From where is Krishak Bharati magazine published ?  
(A) G. B. Pant University of Agriculture & Technology, Pant Nagar  
(B) C. S. A, University of Agriculture & Technology, Kanpur  
(C) Narendra Dev University of Agriculture and Technology, Fajzabad  
(D) Sardar Vallabh Bhai Patel University of Agriculture and Technology, Meerut

Answer: B

46. How much minimum temperature is essential for wheat germination and optimum temperature for crop growth in degree Celsius ?  
(A) 3•5°C-5•5°C and 20°C-22°C  
(B) 5•6°C-7•5°C and 16°C-18°C  
(C) 8°C-10°C and 30°C-35°C  
(D) 10°C-12°C and 25°C-30°C

Answer: D

47. In case of availability of two irrigations for wheat, at which critical stage crop should be irrigated ?  
(A) Tillering and Flowering  
(B) Crown Root Initiation and Milking stage  
(C) Crown Root Initiation and Flowering  
(D) Late joint and Dough stage

Answer: C

48. Which is not the symptom of

Khui m di sease

- (A) Dark grey colour spots on leaves
- (B) Adverse effect on root growth
- (C) More di seases stop the crop growth
- (D) Stem of plants tum and fall 1 down

Answer: A

49. What is the suitable Rabi maize variety ?

- (A) Sharadmani
- (B) Azad Uttam
- (C) Naveen
- (D) Ganga – 5

Answer: A

50. Which disease is not related to Bajra ?

- (A) Green Ear
- (B) Ergot
- (C) Wilt
- (D) Rust

Answer: C