

## PREVIOUS YEARS' PAPER (SOLVED)

Common University Entrance Test for UG Programmes

# CUET-UG—AGRICULTURE\*

## Entrance Exam, 2022

**Subject Code: 302**

1. Example of quantitative inheritance is:

- A. Color/Colour of skin
- B. Colour Blindness
- C. Klinefelter's Syndrome
- D. Allaptonuria

2. Swedish geneticist H. Nilsson-Ehle discovered polygenic inheritance in \_\_\_\_.

- A. Jowar seed
- B. Wheat kernel colour/color
- C. Pea seed coat
- D. Maize seed colour/color

3. Short range forecasting of weather is predicted for the period of:

- A. one or two days
- B. three to ten days
- C. four weeks
- D. two months

4. Match List-I with List-II.

- | List-I                | List-II                 |
|-----------------------|-------------------------|
| (a) Temperature       | I. Anemometer           |
| (b) Rainfall          | II. Ordinary rain guage |
| (c) Wind Velocity     | III. Thermometer        |
| (d) Relative Humidity | IV. Hygrometer          |

Choose the correct answer from the options given below:

- |    | (a) | (b) | (c) | (d) |
|----|-----|-----|-----|-----|
| A. | I   | III | IV  | II  |
| B. | II  | IV  | III | I   |
| C. | III | II  | I   | IV  |
| D. | IV  | III | II  | I   |

5. Meiosis involves one cycle of \_\_\_\_.

- (a) DNA replication
- (b) Cytokinesis
- (c) Karyo kinesis
- (d) Formation of all membrane
- (e) Combination of chromosome replicants

Choose the correct answer from the options given below:

- A. (a) only
- B. (b) and ( c) only
- C. (d) and ( e) only
- D. (e) only

6. Which is/are the milch purpose breeds of cattle?

- (a) Bargur
- (b) Sahiwal
- (c) Nimari
- (d) Red Sindhi
- (e) Dangi

Choose the correct answer from the options given below:

- A. (a) only
- B. (c) only
- C. (a), ( c) and ( e) only
- D. (b) and ( d) only

7. Which one of the following is a chemical property of soil?

- A. Soil pH
- B. Soil structure
- C. Soil colour
- D. Soil plasticity

8. In Papaya which method of propagation is commonly followed?

- A. Sexual (By seed)
- B. Budding
- C. Asexual
- D. Layering

9. Which of the following statements contributed Mendel's success?

- (a) Selection of Pea plant
- (b) His knowledge of history
- (c) One character at one time
- (d) His statistical knowledge
- (e) Knowledge of geometry

Choose the correct answer from the options given below:

- A. (b) only  
 B. (a), (c) and (d) only  
 C. (b) and (e) only  
 D. (e) only
10. *Tagetes erecta* is the botanical name of \_\_\_\_\_.  
 A. African marigold  
 B. French marigold  
 C. Rose  
 D. Jasmine
11. What is the origin of Holstein Friesian exotic breed of cow?  
 A. Switzerland  
 B. Island Jersey  
 C. Friesland and Holland  
 D. India
12. \_\_\_\_\_ is normal pH of the bull semen.  
 A. 7.9 to 8.1                      B. 6.4 to 6.8  
 C. 3.2 to 3.5                      D. 4.0 to 4.5
13. What are the different system of irrigation?  
 (a) Random field ditches irrigation  
 (b) Surface irrigation  
 (c) Subsurface irrigation  
 (d) Sprinkler irrigation  
 (e) Drip irrigation
- Choose the correct answer from the options given below:  
 A. (a) only  
 B. (a) and (e) only  
 C. (b), (c) and (d) only  
 D. (b), (c), (d) and (e) only
14. Which one of the following is not used in organic farming?  
 A. Glomus                      B. Earthworm  
 C. Snail                      D. Oscillation
15. \_\_\_\_\_ breed of buffalo is intermediate cross between Murrah and Surti.  
 A. Banni                      B. Mehsana  
 C. Jafarabadi                      D. Nagpuri
16. According to NASA, the gases in earth's atmosphere include \_\_\_\_\_ % of carbon dioxide.  
 A. 78%                      B. 0.93%  
 C. 0.03%                      D. 0.01%
17. Which acid is present in abundance in the gram leaves?  
 A. Hydrocyanic acid  
 B. Carbonic acid  
 C. Acetic acid  
 D. Malic acid
18. \_\_\_\_\_ refers to the development of embryo from egg cell without fertilization.  
 A. Parthenogenesis

- B. Apogamy  
 C. Apospory  
 D. Adventive embryony
19. The indigenous breed of poultry is \_\_\_\_\_.  
 A. Assel                      B. Sussex  
 C. Minorca                      D. Longshan
20. \_\_\_\_\_ means the physical condition of soil resulting from tillage operations.  
 A. Mulching                      B. Harvesting  
 C. Soil tilth                      D. Threshing
21. Di-ammonium Phosphate (DAP) is the example of \_\_\_\_\_ type of fertilizer.  
 A. Mixed fertilizers  
 B. Soil amendments  
 C. Straight fertilizer  
 D. Complex fertilizer
22. Match List-I with List-II.
- | List-I         | List-II      |
|----------------|--------------|
| (a) Wheat      | I. CO-740    |
| (b) Paddy      | II. Sonalika |
| (c) Sugar cane | III. Basmati |
| (d) Soyabean   | IV. Brag     |
- Choose the correct answer from the options given below:
- |    | (a) | (b) | (c) | (d) |
|----|-----|-----|-----|-----|
| A. | I   | II  | IV  | III |
| B. | II  | III | I   | IV  |
| C. | IV  | II  | III | I   |
| D. | III | II  | IV  | I   |
23. Which one of the chemical is not used in preservation of fruit products?  
 A. Acetic acid  
 B. Potassium metabisulphate  
 C. Sodium benzoate  
 D. Nitric acid
24. Match List-I with List-II.
- | List-I        | List-II            |
|---------------|--------------------|
| (a) Guava     | I. Myrtaceae       |
| (b) Custard   | II. Annonaceae     |
| (c) Cashewnut | III. Anacardiaceae |
| (d) Papaya    | IV. Cariaceae      |
- Choose the correct answer from the options given below:
- |    | (a) | (b) | (c) | (d) |
|----|-----|-----|-----|-----|
| A. | IV  | III | I   | II  |
| B. | III | I   | IV  | II  |
| C. | I   | II  | III | IV  |
| D. | II  | III | IV  | I   |
25. \_\_\_\_\_ is the inherent potentiality of plant cell to give rise to whole plant:  
 A. Mutation

- B. Polyploidy  
C. Embryoculture  
D. Totipotency
26. In \_\_\_\_\_ cattles are arranged in head out manner and there is a common passage between two rows called central or litter alley.  
A. Head to head housing system  
B. Tail to tail housing system  
C. Loose housing system  
D. Individual housing system
27. Which is the viral disease of poultry?  
A. Chronic respiratory disease  
B. Coccidiosis  
C. Ranikhet  
D. Anthrax
28. Flower containing both stamen and pistil is a \_\_\_\_\_.  
A. Staminate flower  
B. Pistillate flower  
C. Perfect flower  
D. Unisexual flower
29. Which is not the type of watershed?  
A. Milli watershed  
B. Long watershed  
C. Micro watershed  
D. Mini watershed
30. Which of the following is an example of herbicide?  
A. Thirum  
B. Chloropyriphos  
C. Butachlor  
D. Mancozeb
31. \_\_\_\_\_ are the modified flower that develops into plants directly without formation of seeds.  
A. Bulbil  
B. Suckers  
C. Stolons  
D. Runners
32. Botanical name of groundnut is \_\_\_\_\_.  
A. *Oryza sativa*  
B. *Cicer arietinum*  
C. *Triticum aestivum*  
D. *Arachis hypogaea*
33. In cattle housing system the width of Manger should be:  
A. 1.3 meter  
B. 0.8 meter  
C. 1.5 meter  
D. 1.0 meter
34. Scurvy cardiac disorder pains in joints, bleeding of gums and tooth decay is caused by deficiency of \_\_\_\_\_.  
A. Niacin-nicotinic acid  
B. Vit-D

- C. Ascorbic acid  
D. Vit-E
35. Black Quarter (B.Q) disease is caused by \_\_\_\_\_.  
A. *Clostridium chauvoei*  
B. *Pasteurella multocida*  
C. *Brucella abortus*  
D. *Bacillus anthracis*
36. In \_\_\_\_\_ system of planting row to row and plant to plant distance is same.  
A. Square  
B. Rectangular  
C. Contour  
D. Triangular
37. Anacardiaceae is the family of which crop?  
A. Papaya  
B. Banana  
C. Santra  
D. Mango
38. Match List-I with List-II.
- | List-I                          |  | List-II          |  |
|---------------------------------|--|------------------|--|
| (a) American Poultry breed      |  | I. Cochin        |  |
| (b) English Poultry breed       |  | II. Ancona       |  |
| (c) Mediterranean Poultry breed |  | III. Red cap     |  |
| (d) Asian Poultry breed         |  | IV. Plymouthrock |  |
- Choose the correct answer from the options given below:
- |        |     |     |     |
|--------|-----|-----|-----|
| (a)    | (b) | (c) | (d) |
| A. I   | II  | III | IV  |
| B. II  | IV  | I   | III |
| C. III | IV  | I   | II  |
| D. IV  | III | II  | I   |
39. Which one of the following is not a nitrogen fixing biofertilizers?  
A. *Azospirillum*  
B. *Acetobacter*  
C. *Azotobacter*  
D. *Aspergillus*
40. Pungency in onion is due to presence of the \_\_\_\_\_.  
A. Lycopene  
B. Allyl propyl disulphide  
C. Capsanthin  
D. Malic acid

Directions (Qs. No. 41-45): Based on the passage given below answer the question that follows:

Soybean (*Glycine max*) is an important oilseed as well as pulse crop. Average oil content is 20 p.c. and protein content is 41 p.c.

It is principally a tropical crop but also grown in subtropical and temperate region.

It is grown in Kharif and Rabi seasons and usually on light to sandy loam soils.

Most common varieties are Brag, Clark, Punjab 1, MACS-13, MACS-57, and MACS-124. etc.

Water requirement vary between 450 to 750 mm. Flowering and pod formation are most critical stages of its growth for irrigation.

Important pests are stem borer, pod borer, hairy caterpillar, white flies and aphids.

The major disease are bacterial blight, mosaic leaf spot and downy mildew.

41. Which of the following is an important oil seed and pulse crop:  
A. Groundnut                      B. Gram  
C. Paddy                            D. Soyabean
42. How much protein and oil content is present in Soyabean?  
A. 41% and 20%  
B. 20% and 41%  
C. 30% and 30%  
D. 50% and 10%
43. Which one of the following is not the variety of Soyabean?  
A. Brag                                B. Clark  
C. IR-8                                D. MACS-57
44. Which are the important and critical growth stages of Soyabean for irrigation?  
A. Tillering and Rooting  
B. Flowering and Pod formation  
C. Rooting and maturity  
D. Maturity and Tillering
45. Which is the most important disease of Soyabean?  
A. Aphid                                B. Jassid  
C. Mosaic                                D. Stemborer

Directions (Qs. No. 46-50): Based on the passage given below answer the questions that follows:

Most of the fruits are perishable. Heavy weight, larger volume and delicacy are the threats in transport, storage and marketing of the fruits. We can overcome these problems by way to preservation.

Preservation is nothing but a technique of extending storage life of the Product without deterioration in its edible quality for its future use.

Principles involved in preservation are prevention or delay of microbial decomposition, prevention or delay of self decomposition of the product and presentation or minimizing damages by insect, pest and disease.

Physical methods, chemical methods and aspesis are the different methods of preservation. Jam, jelly and pickles are the preserved products of fruits.

46. Which principle is not involved in the preservation process?  
A. Prevention or delay of microbial decomposition  
B. Prevention or delay of self decomposition  
C. Prevention or minimizing damage by insect  
D. Prevention of market rate
47. Which one of the following is the method of preservation?  
A. Physical                                B. Biological  
C. Legal                                    D. Curative
48. Which one of the following is not the preserved products of fruits?  
A. Pickles                                B. Jelly  
C. Jam                                      D. Bread
49. \_\_\_\_\_ is a technique of extending storage life of product without deterioration of its quality.  
A. Preservation                                B. Marketing  
C. Spoilage                                    D. Decomposition
50. Problem of fruits during transport storage and marketing can overcome by the way of \_\_\_\_\_.  
A. Increase in Price of the product  
B. Increase in quality of product  
C. Increase in dose of fertilizer  
D. Preservation

## ANSWERS

|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| A  | B  | A  | C  | A  | D  | A  | A  | B  | A  |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| C  | B  | D  | C  | B  | C  | D  | A  | A  | C  |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| D  | B  | D  | C  | D  | B  | C  | D  | B  | C  |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| A  | D  | C  | C  | A  | A  | D  | D  | D  | B  |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| D  | A  | C  | B  | C  | D  | A  | D  | A  | D  |