



## M.Sc (Ag.) Agronomy ADMISSION TEST

### INSTRUCTIONS

- The Entrance Test will be of 60 mins.
- The booklet has three Sections

Quantitative Aptitude & Reasoning	20 Questions (20 X 1 = 20)
General Awareness	20 Questions (20 X 1 = 20)
English	10 Questions (10 X 1 = 10)
- All questions carry equal marks.
- For each correct answer 1 mark will be awarded. There is no negative marking.
- Answer to be given by ticking the correct option.
- Use ball pen or dot pen only.
- All the rough work should be done on the rough sheet provided.

MM- 50

Time- 60 Mins

### Details of the candidate

Name .....

Father's Name .....

Course Applied for .....Contact.....

## Quantitative Aptitude & Reasoning

- PH of saline soils is usually\_\_\_\_\_.
  - Less than 10
  - More than 8.5
  - More than 10
  - Less than 8.5
- Exchangeable sodium per centage for saline soils is\_\_\_\_\_.
  - Equal to 15
  - less than 15
  - less than 18
  - more than 15
- EC for alkaline soils is less than\_\_\_\_\_mmhos/cm.
  - 4
  - 6
  - 8
  - 10
- If salinity is up to\_\_\_\_\_mmhos/cm its effect mostly negligible.
  - 8
  - 2
  - 16
  - 18
- Most salt tolerant grass is\_\_\_\_\_.
  - Para grass
  - Giant star grass
  - Kallar grass
  - Dab grass
- Most salt tolerant fodder is\_\_\_\_\_.
  - Berseem
  - Oats
  - Lucerne
  - Senji
- Among the following the most salt tolerant crop is\_\_\_\_\_.
  - Maize
  - Barley
  - Beans
  - Cotton
- Soluble salts are less than 0.2% in\_\_\_\_\_.
  - Saline soils
  - Saline sodic soils
  - Sodic soils
  - Water logged soils
- Saline sodic/sodic soils can be reclaim by using
  - $MgSO_4 \cdot 2H_2O$
  - $CaSO_4 \cdot 2H_2O$
  - $BaSO_4 \cdot 2H_2O$
  - $K_2SO_4 \cdot 2H_2O$
- $CO_3$  and  $HCO_3$  are absent in soils.
  - Saline
  - Saline sodic
  - Sodic
  - Water logged
- Which one is not the cause of Water Logging?
  - Rainfall
  - Flooding by rivers
  - Defecting system of canals
  - Sowing time
- Soil salinity cause 'TIRAK' in\_\_\_\_\_crop.
  - Cotton
  - Rice
  - Sugarcane
  - Maize
- Cereals grown on saline culture show\_\_\_\_\_colour in leaves when plant approach maturity.
  - Blackening
  - Yellowish
  - Reddish
  - Greenish
- Which one is not the method to remove excess salts from the surface of the soil?
  - Flushing
  - Scrapping
  - Leaching
  - Eva launching
- Which one is not the method for eradication of water logging?
  - Lining of canals
  - Planting trees
  - Drainage
  - Use of press mud

16. Which one is not the local name of white alkali soils?  
a. Kallar      b. Thur      c. Shor      d. Crust
17. One cusec is equal to \_\_\_\_\_ gallons.  
a. 12.24      b. 6.24      c. 10.24      d. 8.24
18. The top soil layer of \_\_\_\_\_ cm is considered the principle feeding zone of most of agricultural crops.  
a. 12.5 to 22.5      b. 25.5 to 35.5      c. 40.5 to 50.5      d. 50.5 to 60.
19. The strips laid along the counter at the right angle to the natural direction of the slope is called \_\_\_\_\_.  
a. Wind strip cropping      b. Buffer strip cropping  
c. Field strip cropping      d. Contour strip cropping
20. The soils having organic matter more than 50% are called \_\_\_\_\_.  
a. Muck soils      b. Peat soils      c. Colluvial soils      d. Glacial soils

## General Awareness

1. Disease free plants in micro propagation can be obtained through \_\_\_\_\_  
a) Meristem culture      b) Anther culture      c) Embryo culture      d) Cell culture
2. Which one is a C<sub>4</sub> plant  
a) Wheat      b) Mustard      c) Sugarcane      d) Pigeon pea
3. Optimum temperature for normal wheat sowing is  
a) 15 °C - 20 °C      b) 20 °C - 25 °C      c) 30 °C - 35 °C      d) 25 °C - 30 °C
4. A common example of stem tuber is-  
a) Ginger      b) Garlic      c) Onion      d) Potato
5. Best method for irrigation of potato crop is-  
a) Border Strip      b) Flooding      c) Furrow      d) Basin Method
6. Which of the following is an antifungal and an antibiotic  
a) Pimaricin      b) Subtilin      c) Nisin      d) Zeatin
7. The oxidant of ghee can be added at the rate of:  
a) 0.01      b) 0.02%      c) 0.03%      d) Not allowed
8. The highest heat transfer value is in:  
a) Copper      b) Aluminium      c) Stainless steel      d) Glass
9. Which of the following is non Climacteric fruit?  
a) Banana      b) Jackfruit      c) Apple      d) Grapes
10. Which one is a sedimentary rock?  
a) Sandstone      b) Basalt      c) Quartzite      d) Diorite
11. Which pigment is involved in flowering of plant?  
a) Cytochrome      b) Phytochrome      c) Plastochrome      d) Photochrome
12. The CO<sub>2</sub> concentration in atmosphere is around:  
a) 0.37%      b) 0.037%      c) 0.0037%      d) 0.00037%
13. Which one of the following companies has started a rural marketing network called e-chaupals?  
a) Proctor and Gamble      b) Hindustan Lever      c) Dabur      d) ITC
14. Khaira disease of rice is due to deficiency of:  
a) Zinc      b) Molybdenum      c) Copper      d) Iron

15. Tikka disease is associated with:  
a) Wheat                      b) Tobacco              c) Groundnut              d) Sugarcane Crop
16. The quickest method of plant breeding is:  
a) Selection                      b) Hybridization      c) Introduction              d) Mutation Breeding
17. Parent used only once in back cross breeding method is called  
a) Recurrent                      b) Male                      c) Female                      d) Donor
18. Self- pollinated species are known as:  
a) Allogamous                      b) Autogamous              c) Cleistogamous              d) Chasmogamous
19. Which of the following is largest insect order:  
a) Lepidoptera                      b) Coleoptera              c) Hymenoptera              d) Hemiptera
20. The gram cutworm is active during:  
a) Summer                      b) Spring                      c) Winter                      d) Monsoon

## English

1. Which of the following word is Plural-  
a) Index                                      b) Analysis                                      c) Criteria                                      d) Crisis
2. Our Country is a Spiritual Country, theirs \_\_\_\_\_ religious.  
a) Is    b) Are    c) Also    d) Have
3. Our sir Teaches Mathematics \_\_\_\_\_ English.  
a) across                                      b) besides                                      c) both    d) along
4. Please don't laugh \_\_\_\_\_ those beggars.  
a) for    b) against    c) at    d) from
5. \_\_\_\_\_ we \_\_\_\_\_ without water?  
a) can, live                                      b) can, living                                      c) can, be    d) can, lived
6. A festival of Kites \_\_\_\_\_ very famous in India.  
a) is    b) can    c) are    d) with
7. What is **Antonym (opposite)** of- **STARTLED**.  
a) Relaxed                                      b) Amused    c) Astonished    d) Endless

### **(Change to Passive Voice)**

8. Rahul will pass the message.-  
a) The Message will be passed by Rahul                                      b) The Message will pass by Rahul  
c) The Message would be passed by Rahul                                      d) The Message will be passed by Rahul
  9. His hard work satisfied me.  
a) I was satisfied for his hard work.                                      b) I was satisfied by his hard work.  
c) I was satisfied with his hard work.                                      d) I was satisfied at his hard work.
  10. His comment hurt me deeply.  
a) I was hurt deeply by his comment.                                      b) I could be hurt deeply by his comment.  
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## M.Sc. (Ag.) Horticulture ADMISSION TEST

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## Quantitative Aptitude & Reasoning

1. Which of the following is a richest source of vitamin "A"  
a) Apple                                 b) Mango  
c) Guava                                 d) Papaya
2. Waxing enhances the shelf life of fruits because it checks  
a) Transpiration                         b) Respiration  
c) Ripening                                 d) Transpiration & Respiration
3. Sunflower is the third most important  
a) soyabean                                 b) decorative flower  
c) Oilseed crop                             d) autumn crop
4. Yellow colour of Papaya is due to:  
a) Papain                                   b) Lycopene  
c) Caricaxanthin                         d) Carotene
5. Germination of seed while it still remains attached with the parent source  
a) Ovipary                                 c) Apomixis  
c) Vivipary                                 d) Asepsis
6. The Green Revolution has not been as good as it has been made out because-  
a) it created big farmers                 b) it is confined to select regions  
c) it is confined only to wheat           d) none of the above
7. Which chemical is used for de-greening of fruit?  
a) IBA                                       b) Cytokinin  
c) Gibberalic Acid                         d) Ethylene
8. Extension education is  
a) Physical Science                         b) Social Science  
c) Biological Science                       d) Mathematical Science
9. Which test is used for testing the significance of mean differences?  
a) t-test                                     b) f-test  
c) z-test                                     d) k<sup>2</sup>-test
10. Which of the following in respect of Indian agriculture is not correct?  
a) India is the largest producer of mango, banana, cheeku and acid lime  
b) India is the largest producer of coconuts  
c) India is the 3<sup>rd</sup> largest producer of chemical fertilizers  
d) India is second largest producer of vegetables



11. "Pusa Nanha" dwarf variety of Papaya is developed through \_\_\_\_\_

- a) Hybridization
- b) Mutation
- c) Selection
- d) Heterosis

12. "Fruit of the 21<sup>st</sup> century" is called \_\_\_\_\_

- a) Jamun
- b) Ber
- c) Aonla
- d) Bael

13. Chromosome number of Mango -

- a)  $2x = 40$
- b)  $4x = 40$
- c)  $3x = 40$
- d)  $x = 40$

14. **Polyembryonic** fruit crop (/crops) is (/are)

- a) Mango
- b) Citrus
- c) Jamun
- d) All of the above

15. Cock's comb is a physiological disorder of \_\_\_\_\_

- a) Sapota
- b) Aonla
- c) Ber
- d) None of the above

16. Cricket ball and Kalipatti are famous varieties of \_\_\_\_\_

- a) Ber
- b) Mango
- c) Sapota
- d) Litchi

17. Caprification is done in \_\_\_\_\_

- a) Fig
- b) Ber
- c) Avacado
- d) Date palm

18. \_\_\_\_\_ is a Horticultural crop

- a) Rice
- b) Wheat
- c) Tea
- d) Peanut

19. Which is a low salt tolerant crop-

- a) Orange
- b) Pomogranate
- c) Custard Apple
- d) Fig

20. **Purple Vienna** is a variety of –

- a) Onion
- b) Garlic
- c) Cabbage
- d) Khol Khol

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