

***3rd BSc 1st sem. FE-20-21 (File#80)***

**BAGALKOT**

**Mar. 13, 2021**

UHS

Name of the Student & ID Number Set code - A

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**Part – A Question paper (2 pages):** **Answer within 30 min.**

**All answers should be written only in OMR Sheet. Total Marks : 20**

***Write the Correct Part-A Question paper Set Code in OMR sheet***.

Please return the OMR sheet **after 30 min** of start of examination to the invigilator.

**Major field crops: AGR-301(1+1)** Time: 14:30 -15:00

**Q.I. Select the most correct answer A/B/C/D for the following questions.**

**20 x 0.5 mark = 10 Marks**

1. The [planting](http://www.krishiworld.com/html/plant_crops1.html) of a hectare would need about \_\_\_\_\_\_\_\_r ooted sets of  BN Hybrid

 a. 23000            b. 43000                      **c. 33000** d. None of these

2. The nursery techniques required for mechanical transplanting in rice is

 a. Wet bed **b. Dapog method** c. Dry bed d. None of these

3. Gas emitted from rice field

 a. C2H2  **b. CH4** c. C2H6 d. C4H8

4. Male inflorescence of maize is known as

 a. Spike **b. Tassel** c. Panicle d. None of these

5. Sorghum is also called as

 a. King of cerals **b. Camel crop** c. Queen of cereals d. None of these

6. Striga is a parasitic weed in

 a. Tobacco b. Sorghum c. Sugarcane **d. Both b and c**

7. Pre-emergent herbicide suitable for ground nut

 **a. Pendimethalin** b. 2,4-D c. Fluchloralin d. Butachlor

8. Critical Stage for irrigation of mustard crop is

 a. Rosette stage **b. siliqua formation** c. pod formation d. Both a and b

9. Flowering in sugarcane is called \_\_\_\_\_\_\_

 **a. Arrowing**             b. Sprouting                 c. Tillering d. None of these

10. Optimum level of Cl in water beyond which affects the tobacco is

 a. 30ppm b. 100pppm **c. 10ppm** d. 50ppm

11. Ragi is \_\_\_\_\_\_

 **a. Self pollinated** b. Cross pollinated c. Self incompatibility d. None

12. According to Vavilov the origin of Durum wheat is \_\_\_\_\_\_\_\_

 **a. Abyssinia**                b. Asia             c. Africa d. None of these

13. Permanent adventitious roots of wheat is called \_\_\_\_\_\_\_\_\_\_

 a. Primary roots                    b. Secondary roots     **c. Clonal roots** d. None of these

14. \_\_\_\_\_\_\_\_\_\_\_\_is called “***Queen of cereals***”.

 a. Wheat b. Sorghum c. Rice **d. Maize**

15. The inflorescence of chick pea is \_\_\_\_\_\_\_\_

 **a. Axilary raceme**    b. Panicle                   c. Ear d. None of these

16. Total production of rapeseed-mustard in India is \_\_\_\_\_\_\_\_\_m tones

 a. 8.15                                   **b. 6.96** c.9.15 d. None of these

17. The peculiar pungency of rapeseed-mustard is due to the presence of \_\_\_\_\_

 a. erusic acid                         **b. sinigrin**                   c. Glucosinolates d. None of these

18. Origin of sunflower is \_\_\_\_\_

 a. India             b. Argentina          **c. South west America** d. None of these

**Major field crops: AGR-301(1+1)** SET-A

19. Scientific name of sunflower is \_\_\_\_\_\_

 **a. *Helianthus annuus***         b. *Carthamus tinctorious        c. Sesamum indicum*

20. Saturated fatty acid content in safflower is \_\_\_\_\_\_\_\_

 a. 12 %                                 b. 15 %                        **c. 10 %** d. None of these

**Q.II. Enter TRUE (T) /FLASE (F) for the following statements in OMR sheet**

1. **0.5 mark = 05 Marks**
2. **Puddling lead to better soil aggregation**

 False
21

23

24

26

28

29

1. Coramandal type groundnut bears bold and bigger seeds
2. **Average sugar content of sugarcane is higher than sugarbeet**
3. **Sympodial branches do not produce flowers in cotton**
4. Formation of small knots/specks in yarn made from cotton is called as Nippiness
5. **Maize is a diocious plant**
6. Central Institute for Research on Cotton Technology is located in Mumbai
7. **Lucerne is a annual cereal fodder crop**
8. **Sunnhemp is a leguminous green leaf manuring crop**
9. Maize is an exhaustive crop.

**Q.III. Match column A with column B for correct answer. 10 x 0.5 mark = 05 Marks**

 **I**

**A**

**J**

**B**

**C**

**D**

**E**

**F**

**G**

**H**

|  |  |  |  |
| --- | --- | --- | --- |
| Q.No | Column A |  | Column B |
| 31 | Lucern I | A | *Crotalaria juncea* |
| 32 | Sunhemp A | B | *Vigna mungo* |
| 33 | Green gram J | C | *Gossypium hirsutum* |
| 34 | Black gram B | D | *Gossypium barbadense* |
| 35 | American cotton C | E | pH < 8.5 & ESP < 15 |
| 36 | Sea island cotton D | F | pH > 8.5 & ESP > 15 |
| 37 | Saline E  | G | 1.43 g/cc. |
| 38 | Alkali F  | H | 2.65 g/cc. |
| 39 | Bulk density G | I | *Medicago sativa* |
| 40 | Particle density H | J | *Vigna radiata* |
|  |  | K | 4.00 g/cc |

**END OF PART – A QUESTION PAPER march 13, 2021**

Student’s Signature…………………………….. Invigilator’s signature……………………