ಅಂತಿಮ ಪರೀಕ್ಷೆ **Final Examination QP set code-** A

N	A	M	E		O	F		T	H	E		S	T	U	D	E	N	T	
U	H	S	2	3	U	G				College code							0		

Time: 10:30 -11:00 (30 mins.)   Total Marks: 20
Part – A Question paper (2 pages)   VSC-301(2+1).

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✓ Write the Correct Part-A Question paper Set Code in OMR sheet.
✓ Please return Part-A QP after 30 min of start of examination to the invigilator and
   Collect while leaving the exam hall.

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

20 x 0.5 mark = 10 Marks

1. Breeder seeds are tagged with which color tags
   a) Yellow   b) Blue   c) White   d) Red
2. Which of the following is a physical mutagen ?
   a) Acriflavin   **b) Gamma rays**   c) EMS   d) 5-Bromo uracil
3. Opening of flowers only after the completion of pollination is known
   a) Cleistogamy   b) Herkogamy   **c) Chasmogamy**   d) None of the above
4. Stump method of seed production is done in
   a) Okra   **b) Cabbage**   c) Onion   d) Pumpkin
5. Purity percentage of Breeder seeds.
   a) 100%   b) 99%   c) 99.5%   d) 98.5%
6. Which crop is cross-pollinated?
   a) Onion   b) Pea   c) Tomato   d) All
7. Minimum isolation distance of potato for both foundation and certified seed is
   a) 5 m   b) 10 m   c) 15 m   d) 20 m
8. Pureline selection is done in
   a) Peas   b) French bean   c) Dolichos bean   **d) All of the above**
9. Androdioecious sex form of cucurbits consist
   a) Female and hermaphrodite in separate plants
   b) Androecious and Hermaphrodite in separate plants
   c) Plant bearing male and female flower in separate plant
   d) Staminate and pistillate flowers together
10. Arka Anamika is a YVMV resistant variety of
    a) Brinjal   b) Tomato   **c) Okra**   d) Pumpkin
11. When male, female and hermaphrodite flowers are on the same plant, it is known as
    a) Monoeious   **b) Trimonoecious**   c) Androecious   d) None of the above
12. Onion is cross pollinated due to
    a) Protandry   b) Protogyny   c) Apomixis   d) None of the above
13. Seed multiplication ratio is highest in
    a) Pea   **b) Tomato**   c) French bean   d) Bitter gourd
14. Seed replacement rate is lowest in
    a) Beans   b) Cabbage   c) Okra   d) Tomato
15. ToLCV is related to
    a) Tuber crops   b) Potato   **c) Tomato**   d) Okra   PAGE....2

16. Grow out test is a kind of ....method to test genetic purity
   a) Morphological   b) Chemical   c) Molecular   d) Bio-chemical
17. Cliestogamy is found in which crop
   a) Pumpkin   b) Amaranth   c) Cucumber   d) Pea
18. Mechanisms which promotes cross pollination are
   a) Dicliny   b) Herkogamy   c) Both   d) None
19. Brinjal shows which mechanism of pollination?
   a) Chasmogamy   b) Cliestogamy   c) Protogyny   d) Protandry
20. Rapid method of seed extraction is..........
   a) Acid   b) Alkali   c) Fermentation   d) Dry method

Q.II. Mention TRUE T /FLASE /F for the following statements in OMR sheet

10x 0.5 mark = 5 Marks

21	FALSE	21.The recommended isolation distance of ridge gourd is not 800m for breeder / foundation seed.
22	TRUE	22. Wet and dry extractions are used for brinjal seed extraction.
23	TRUE	23. Compared with seed potato tubers, TPS is more labour-intensive to grow and requires a longer growing season.
24	TRUE	24 .For raising one hectare of potato crop, a quantity of 100-120g TPS is required.
25	FALSE	25 .Pureline selection is not commonly used in self pollinated species.
26	TRUE	26.In backcross breeding, repeated backcrosses are made to transfer a specific character to a well adapted variety
27	TRUE	27. In heterostyly, styles and filaments in a flower are of different length.
28	TRUE	28. Hindrance to self pollination due to some physical barriers is herkogamy.
29	TRUE	29. Self incompatibility prevents self pollination and promote cross pollination.
30	FALSE	30. In male sterility, pollen grains are functional.

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

Q.No	Column A		Column B	ANSWERS
31	Arka Abhed	A	Watermelon	E
32	Kashi Himani	B	Garden Pea	J
33	Arka Anamika	C	Brinjal	B
34	Pant Karela 1	D	Cabbage	F
35	Durgapura Meetha	E	Tomato	A
36	Pusa Drum Head	F	Cauliflower	G
37	Pusa Shubhra	G	Okra	C
38	Pusa Kesar	H	Carrot	H
39	Kufri Jyoti	I	Bitter Gourd	D
40	Matar Ageta-6	J	Potato	I

END OF PART – A QUESTION PAPER   3rd February 2025
Student's Signature................................. Invigilator's signature.......................