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PART-B

1. Signature of invigilator on answer booklet is compulsory.
2. All answers to the questions IV, V and VI should be written on appropriate pages only.

Q V. Answer any five (5) of the following questions 5 x 2 mark = 10

1. How vegetables are classified based on mode of pollination.
2. Advantage of raising vegetable nursery
3. Name the chemicals used to maintain the gynoecious lines in cucumber
4. Give scientific names of cluster bean, snake gourd, summer squash and ivy gourd.
5. Varieties of curry leaf.
6. Two growth regulators used in tomato cultivation
7. Seed rate and spacing of okra in different seasons.

Q VI. Answer any five (5) of the following questions 5 x 3 mark = 15

1. Antinutrients in vegetables
2. What is meant by Vegetable forcing
3. Why vegetables are considered as protective food
4. Improved varieties of tomato from IIHR.
5. Seed extraction methods in tomato.
6. Importance and uses of moringa
7. Importance of vegetables in human diet.

Q VI. Answer any five (5) of the following questions 5 x 3 mark = 15

1. Explain briefly classification of vegetables based on hardiness and season of cultivation.
2. Briefly explain the points to be considered for raising healthy vegetable nursery.
3. Explain briefly kitchen garden and its layout.
4. Explain briefly the physiological disorders of tomato.
5. Explain the production of seedless watermelon.
6. Explain briefly the physiological disorders of cucurbits.
7. Production technology of okra

END OF PART - A& B QUESTION PAPER 25 September, 2023

VSC-102 UHS21UG FE AY:2022-23



आजादी का अमृत महोसूव

Please check the answers to part-A as given by the external examiner who set the question paper.

Set A

Final examination:

VSC-102(2+1): Tropical and sub-tropical vegetables

Date & time of Exam: 25.10.2023 (10:30 ~12:30)

VSC-102

Name of the Student ID No. UHS22UG.....

College of Horticulture, College Code.....

Instructions to the Students:**Total marks: 50 (Part- A : 20 marks and Part- B : 30 marks)****Part - A Question paper: Answer within 30 min.****All answers should be written only in OMR Sheet.****Write the Correct Part-A Question paper Set Code in OMR sheet.****Get the signature of the invigilator on your Part- A QP.**

Please return the OMR sheet after completion of examination to the invigilator.

Part- A**Q.I. Select the most correct answer A/B/C/D for the following questions. 20 x 0.5 mark = 10 Marks**

1. Scientific name of curry leaf

a) <i>Murraya koenigii</i>	b) <i>Cucumis anguria</i>
c) <i>Solanum melongena</i>	d) <i>C. melovar utilissimus</i>
2. ArkaMohini is a variety of

a) Tomato	b) Chilli
c) Brinjal	d) Potato
3. Pollination mechanism in tomato

a) Self pollinated	b) cross pollinated
c) Often-cross pollinated	d) None
4. Seed rate of tomato

a) 1 kg/ ha	b) 400 g/ha	c) 900 g/ha	d) 1.5 kg/ha
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5. A perennial vegetable

a) Ivygourd	b) Tomato	c) Potato	d) Chilli
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If any corrections to be made, kindly send the correct answer on or before 11.11.2023 through University. HOD

Set A VSC-102(2+1): Tropical and sub-tropical vegetables

6. Pointed gourd is
 a) Trichosanthescucumerina
 b) Trichosanthhesdioica
 c) Coccineagrandis
 d) Trichosanthhesanguinua
7. Heterostyly is a common feature of
 a) Tomato
 b) Okra
 c) Brinjal
 d) Cucumber
8. Phomopsis blight and fruit rot resistant variety in brinjal
 a) PusaBhairav
 b) PusaKarnthi
 c) ArkaNeelekant
 d) PusaAnkur
9. Red colour of chilly is due to
 a) Capsanthin
 b) Capsaicin
 c) Both a and b
 d) None
10. Pungency in chilly is due to
 a) Capsanthin
 b) Capsaicin
 c) Both a and b
 d) None
11. Recommended quantity of vegetable per day per person is
 a) Capsanthin
 b) Capsaicin
 c) Both a and b
 d) None
12. Poor man's leafy vegetable
 a) Amaranthus
 b) Lettuce
 c) Spinach
 d) Waterleaf
13. Flower colour of bottle gourd is
 a) White
 b) Yellow
 c) Violet
 d) Blue
14. Poinssett is a variety of
 a) Cucumber
 b) Tomato
 c) Okra
 d) Chili
15. Largest producer of okra in the world?
 a) China
 b) India
 c) Netherlands
 d) Nigeria
16. Which among this is not a vegetable propagated from seedless triploid hybrid of watermelon
 a) Chow chow
 b) Parwal
 c) Ivy gourd
 d) Watermelon
17. Seedless triploid hybrid of watermelon
 a) Chow chow
 b) Sugar baby
 c) Arkajyothi
 d) Kiran
18. Pillow disease of cucumber is due to deficiency of
 a) Ca
 b) Mg
 c) Mo
 d) Bo
19. Botanically fruit type of cucumber are
 a) Pepo
 b) berry
 c) Stone
 d) Drupe
20. A single seeded and viviparous cucumber
 a) Bottle gourd
 b) Gherkin
 c) Chow chow
 d) Cucumber

H A B L C D I T G E

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- Q.11. Enter TRUE(T) / FALSE(F) for the following statements in OMR sheet 10 x 0.5 = 5 Marks
21. Tomato is a day neutral plant
 22. Withering of tendril at the fruit axil is a maturity index in tomato
 23. Charatin present in snakegourd is effective against diabetes
 24. FlavrSavr is a variety of tomato
 25. Metaxenia is associated with cucurbits deficiency
 26. Fruit cracking, a physiological disorder in tomato is due to Ca
 27. California Wonder is a variety of brinjal
 28. Ethrel 250 ppm can be applied to increase the female flower production
 29. Cucurbitapepo is the scientific name of pumpkin.
 30. Aggra Pettha is the processed product of bottle gourd.
- Q.11. Match column A with column B for correct answer.
 10 x 0.5 mark = 05 Marks
- | Q.No | Column A | Column B |
|------|--------------|---------------------------------|
| 31 | Okra | A <i>Gymnopisisteragonoloba</i> |
| 32 | Guar gum | B <i>Charatin</i> |
| 33 | Bitter gourd | C <i>Triplolid</i> |
| 34 | Brinjal | D <i>Capsaicin</i> |
| 35 | Pusabedana | E <i>Ben oil</i> |
| 36 | Chilli | F <i>Anthocyanin</i> |
| 37 | Ash gourd | G <i>Salads</i> |
| 38 | Cucurbits | H <i>Iodine</i> |
| 39 | Cucumber | I <i>Aggra pettha</i> |
| 40 | Drum stick | J <i>Metaxenia</i> |