

DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA
SEMESTER END THEORY EXAMINATION
B.Sc. (Hons.) Horticulture

Semester : II (New) **Term : II** : Academic Year:2020-2021
Course No. : H/VS-121 **Title** : **Potato and Tuber Crops**
Credits : 2 (1+1)
Day and Date : Saturday **Time** : 10.00-11.00 **Total Marks** : 40
13/11/2021

- Note: 1. Solve **ANY FOUR** questions from **SECTION “A”**
2. Solve **ANY SIX** questions from **SECTION “B”**
3. All questions from **SECTION “C”** are compulsory
4. Send the **PDF file** of answer sheet to the **email id** of respective course teacher
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SECTION “A”

(Write the answer in 4-5 sentences only. Each question carries 4 marks)

- Q.1) Explain in brief the scope & importance of potato and tuber crops in India.
- Q.2) Describe the cultivation of sweet potato on the following points.
a) Soil & climate b) Varieties
c) Propagation d) Harvesting & yield
- Q.3) Write in brief about the cultivation of cassava on the following points.
a) Soil & climate b) Varieties
c) Propagation & planting d) Harvesting & yield
- Q.4) Write in brief about the cultivation of colocasia on the following points.
a) Varieties b) Propagation & planting
c) Manures & fertilizers d) Harvesting & yield
- Q.5) Write short note on (Any two).
a) Physiological disorders in potato b) True potato seed (TPS)
c) Post-harvest handling of potato

SECTION “B”

- Q.6) Write answer in one sentence. **(Each question carries 2 marks)**
1. Write any two varieties of elephant foot yam.
 2. Name two late maturing varieties of potato.
 3. Write any two processed product of cassava.
 4. Write the full form of CTCRI and where it is located?
 5. Write full form of CPRI and where it is located _____.
 6. Konkan Kanchan is variety of _____ and it is developed by _____.
 7. Write botanical name and family of Jerusalem artichoke.

SECTION "C"

Q.7) Choose the appropriate answer. (Each question carries 1 mark)

1. Insulin is extracted from the tubers of_____.
a) Jerusalem artichoke b) Horse Radish c) Coleus d) Arrowroot
2. Yam bean belong to the family_____.
a) Solanaceae b) Araceae c) Leguminaceae d) Dioscoreceae
3. Botanical name of Tannia is_____.
a) *Solanum tuberosum* b) *Manihot esculentum* c) *Xanthosomasagittifolius* d) *Cynara scolymus*
4. Sweet potato is propagated by_____.
a) Seed b) Root cuttings c) Stem cuttings d) Both b and c
5. Sago is commercial product prepared from _____.
a) Tannia b) Coleus c) Tapioca d) Taro
6. _____ method of planting is followed in Colocasia.
a) Flat b) Ridges and furrow c) Pits d) All the above
7. _____ is highly suitable for water logged conditions.
a) Colocasia b) Carrot c) Tapioca d) chilli
8. Total crop duration of elephant foot yam is _____ months after planting.
a) 4- 5 b) 6 – 7 c) 9 – 10 d) None
9. Which of the following state stand first in area and production of yam?
a) Andhra Pradesh b) Tamil Nadu c) Maharashtra d) Kerala
10. Edible portion of yam is the underground modified_____.
a) Tap root b) Hypocotyls c) Stem d) Radicle
11. _____ Vegetables are used for production of chips.
a) Potato b) Tapioca c) Yam d) All a, b & c
12. The bitter principle in tapioca is due the presence of _____.
a) HCN b) Cucurbitacin E c) Cucurbitacin A d) All a, b & c