

Hemchandracharya North Gujarat University

Advance Diploma in Agriculture and Soil Science

Semester- II

End Term Examination, March-June: 2019

Subject Code: - AS- 204

Subject: - Agronomy of field crops-I (Rabi crops)

Time: 2 hrs

Date: 29/04/2019

Marks: 40

Q.1 Answer any 10 MCQ questions. Each question carries 1 mark.

[10*1=10]

1. Which coriander variety is pure line selection from Acc. No. 695 form IARI?
[A] Co.1 [B] Co.2
[C] Co.3 [D] CS 287
2. How many percentage of sugar content present in sugar beet?
[A] 5 to 10 % [B] 12 to 15 %
[C] 20 to 25 % [D] 0 to 5 %
3. Topping is an operation of which crop?
[A] Coriander [B] Cumin
[C] Tobacco [D] French bean
4. Which crop is improving soil fertility?
[A] Sugar beet [B] Wheat
[C] Chickpea [D] Potato
5. Which food crop is known as complete food?
[A] Coriander [B] Potato
[C] Cumin [D] Chickpea
6. Iran is an origin of which crop?
[A] Coriander [B] Cumin
[C] Barley [D] French bean
7. Which one is a botanical name of Safflower?
[A] *Carthamus tinctorious* L. [B] *Beta vulgaris* spp.
[C] *Cicera arietinum* [D] *Nicotina tabcum*
8. Which stage is a critical stage in wheat crop?
[A] Flowering [B] Seed setting
[C] Crown root initiation [D] Tillering stage
9. Which content is higher in potato as compare to other component?
[A] Minerals [B] Vitamins
[C] Starch [D] Protein
10. 1 % Thiourea treatment is given for _____
[A] Early maturity [B] Break dormancy
[C] Protection Against fungus [D] None of these

[P. T. O.]

Q.2 Answer any 4 questions. Each question carries 05 marks.

[4*5=20]

1. Write down the set treatment of sugarcane.
2. Write down the application of fertilizer and irrigation of wheat crop.
3. Write down the ecological requirements in potato cultivation
4. Write down the characteristics of any five coriander variety.
5. Write down the site selection, land preparation, sowing time and method of chickpea in detail.

Q.3 Answer any one. Each question carries 10 marks.

[1*10=10]

1. Write down the cultivation practices of Safflower.
2. Write down the potato storage technique in detail

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