

29

Hemchandracharya North Gujarat University
Community College
Advance Diploma in Agriculture and Soil Science
Semester- IV
Internal Examination, March-2017
Subject Code: - AS- 204
Subject: - Agronomy of field crops-I (Rabi crops)

Time: 2 hrs

Date: 24/03/2017

Marks: 40

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

[10*1=10]

1. Which Species of sugarcane is resistance t smut disease?
[A] *Saccharum officinarum* [B] *Saccharum sinensis*
[C] *Saccharum barberi* [D] *Saccharum robustum*
2. Which part of sugarcane is used for propagation?
[A] Tuber [B] Rhizomes
[C] Seed [D] Sets
3. Full form of TSS.
[A] Total Soluble Sugar [B] Total Soluble Salt
[C] Total Soluble Solids [D] None of these
4. Botanical name of potato.
[A] *Saccharum officinarum* [B] *Solanum tuberosum*
[C] *Beta vulgaris* [D] *Triticum aestivum*
5. Which content is higher in potato as compare to other component?
[A] Minerals [B] Vitamins
[C] Starch [D] Protein
6. 1 % Thiourea treatment is given for _____.
[A] Early maturity [B] Break dormancy
[C] Protection Against fungus [D] None of these
7. Which stage is a critical stage in wheat crop?
[A] Flowering [B] Seed setting
[C] Crown root initiation [D] Tillering stage
8. Which crop is used for making bio-foul?
[A] Sugarcane [B] Potato
[C] Chickpea [D] Sugar beet
9. Ethanol is extracted from which crop?
[A] Wheat [B] Onion
[C] Sugar beet [D] Chickpea
10. Which crop is improving soil fertility?
[A] Sugar beet [B] Wheat
[C] Chickpea [D] Potato

[P. T. O.]

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

[4*5=20]

1. Write down the economic importance of sugarcane.
2. Write down the characteristics of sugarcane cultivated species.
3. Write down the seed treatment in wheat.
4. Write down the tropical sugar beet favorable characters.
5. Write down the ecological requirements in potato cultivation.

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

[1*10=10]

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

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