Seat No:____

Enrollment No:_____

PARUL UNIVERSITY COLLEGE OF AGRICULTURE B.Sc. (Hons.)Agriculture Winter 2019 - 20 Examination

Semester:5 Date:19/11/2019 Subject Code: 20101302 Time:10:30am to 01:00 pm Subject Name: Field Crop-I (Kharif) Total Marks: 60 Instructions 1. All questions are compulsory. 2. Figures to the right indicate full marks. 3. Make suitable assumptions wherever necessary. 4. Start new question on new page. Q.1 Do as Directed. A. Fill in the blanks. (Each of 1.00 marks) (10)1. Castor seed contain ______% oil. 2. ICRISAT located at _____. 3. Maize protein known as _____ 4. _____ is centre of origin of groundnut. 5. BC-9 is ______ resistant variety of sorghum crop. 6. For balanced diet, daily _____ gm of pulses/capita is required. 7. "Arachis" meaning ______ and "hypogea" meaning _____ 8. _____ ranks first in the world, in respect of acreage and production of castor. 9. Main pearl millet research station located in . 10. 1 Hector = $_{m^2}$. **B.** Multiple choice type questions. (Each of 1.00 mark) (10)1. Pearl Millet is originated from ______. a) Africa c) America **b**) India **d**) Turkey 2 The recommended fertilizer dose of Arhar is _____ NPK kg/ha **c)** 40-40-00 a) 80-40-00 **b**) 25-50-00 **d**) 120-60-00 **3** fruit bearing branches in cotton are known as _____ **a**) Monopodial c) Spadix **b**) Sympodial **d**) All of the above 4The diabatic patient should consume a) Cheena c) Vari **b**) Bavto d) Rice **5**The main disease of sesamum is _____. c) Red rot a) Stem rot **b**) Ergot d) Phyllody **6**Inflorescence of sesamum is known as c) Spike a) Tassel **b**) Raceme d) Cob 7 Synonymous of sorghum is ______. **a**) Pearl millet c) Kodo millet **b**) Great millet **d**) Hill millet 8 One bale contains kg lint **a**)170 **c**) 60 **d**) 120 **b**) 160 9 Pearl millet grain contains ______% protein. **a**)11.6 **c)** 4.4 **b**) 7.2 **d**) 16.3 10 Soybean seed contains about ______% oil and ______% protein. **a**)20 and 40 **c**) 40 and 20 **b**) 25 and 50 **d**) 25 and 35 Q.2 Do as Directed. A. Define the following. (Any five) (05)1. Irrigation

- 2. Weeding
- 3. Fertilizer
- 4. Mix copping
- 5. Inter-culturing
- 6. Thinning

B. Answer the following. (Any Five)

- 1. Give verities of following crop.
 - a) Green Gram
 - b) Cluster bean
 - 2. Give the economic importance of Sesamum.
 - 3. Write seed treatment for cotton.
 - 4. Why nitrogenous fertilizer applied in split doses?
 - 5. Give the family of Green gram and cotton.
 - 6. Why castor cake is not used as animal feed?

Q.3 Write short notes. (Anyfive)

- 1. Give the important hint for irrigated cotton.
- 2. Differentiate legume and pulses.
- 3. Explain package of practices for ratoon sorghum.
- 4. Summer pearl millet give more yield than monsoon crop, why?
- 5. Explain reason for low productivity of pulses in India?
- 6. Explain importance of forage crop.

Q.4 Attempt any Three/Long Questions/Example

- 1. Explain Dapog method.
- 2. Explain types of maize.
- 3. Explain raising of seedling for Vari.
- 4. Explain Castor crop in following heads: a) climate requirement b) Soil requirement c) sowing time d)verities e) seed rate f)spacing g) nutrient management h) weed management i)yield

(15)

(15)