

PARUL UNIVERSITY
COLLEGE OF AGRICULTURE
B.Sc.(Hons.)Agriculture Summer 2018 - 19 Examination

Semester: 5
Subject Code: 20101302
Subject Name: Field Crops -I (Kharif)

Date:29/04/2019
Time: 02:00pm to 04:30
Total Marks: 60

Instructions

- All questions are compulsory.
- Figures to the right indicate full marks.
- Make suitable assumptions wherever necessary.
- Start new question on new page.

Q.1 Do as Directed.**A. Fill in the blanks. (Each of 0.5 marks)****(10)**

- Full stand of SRI is _____.
- Jaya is a variety of _____ crop.
- Maize protein known as _____.
- _____ is centre of origin of groundnut.
- Finger millet also known as _____.
- For balanced diet, daily _____ gm of pulses/capita is required.
- "*Arachis*" meaning _____ and "*hypogea*" meaning _____.
- _____ ranks first in the world, in respect of acreage and production of castor.
- Main pearl millet research station located in _____.
- Lemma and pelea together known as _____.

B. Multiple choice type questions. (Each of 0.5 mark)**(10)**

- Bajara is originated from _____.
 a) Africa
 b) India
 c) America
 d) Turkey
- The recommended fertilizer dose of arhr is _____ NPK kg/ha
 a) 80-40-00
 b) 25-50-00
 c) 40-40-00
 d) 120-60-00
- fruit bearing branches in cotton are known as _____.
 a) Monopodial
 b) Sympodial
 c) Spadix
 d) All of the above
- Biofertilizer *Azotobactor/Azosprillum* is used in the _____ group.
 a) Pulses
 b) Cereals
 c) Oil Seed
 d) Legumes
- The diabatic patient should consume _____.
 a) Cheena
 b) Bavto
 c) Vari
 d) Rice
- Jute is _____ crop.
 a) Oil Seed
 b) Cereals
 c) Fibre
 d) Pulses
- The main disease of sesamum is _____.
 a) Stem rot
 b) Ergot
 c) Red rot
 d) Phyllody
- Inflorescence of castor is known as _____.
 a) Tassel
 b) Pod
 c) Spike
 d) Cob
- Thinning is the most important operation in _____ crop.
 a) Sesamum
 b) Castor
 c) Cotton
 d) Groundnut
- Synonymous of sorghum is _____.
 a) Pearl millet
 b) Great millet
 c) Kodo millet
 d) Hill millet

Q.2 Do as Directed.**(05)****A. Define the following. (Any five)**

- Puddling

2. Critical stages
3. Ideotype
4. Rouging
5. Field preparation
6. Water requirement
7. Thinning

B Answer the following. (Any Five)

(05)

1. Give varieties of following crop.
A) Hybrid napier B) Soybean C) Pigeon pea
2. Give the economic importance of Sesamum.
3. Explain acid delinting of cotton.
4. Give full form of following:
A) ICRISAT, B) NRCG, C) IGFR I D) AICCP
5. Give scientific name of following crop:
A) Cluster bean, B) Vari, C) Napier grass
6. Differentiate Desi cotton vs. American cotton

Q.3 Write short notes. (Any five)

(15)

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

(15)

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) varieties e) seed rate f) spacing g) nutrient management h) weed management i) yield