

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END EXAMINATION**

**B.Sc. (Hons.) Agriculture**

<b>Semester</b> : III (New)	<b>Term</b> : I	<b>Academic Year</b> : 2018-19
<b>Course No.</b> : AGRO 234	<b>Title</b> : Crop Production Technology –I ( <i>Kharif Crops</i> )	
<b>Credits</b> : 2 (1+1)		
<b>Day &amp; Date</b> : Wednesday, 21.11.2018	<b>Time</b> : 9.00 to 11.00	<b>Total Marks</b> : 40

- Note :**
1. Solve ANY EIGHT questions from SECTION "A".
  2. All questions from SECTION "B" are compulsory.
  3. All questions carry equal marks.
  4. Draw neat diagrams wherever necessary.

**SECTION "A"**

- Q.1** Explain in detail the cultivation practices of lowland rice on the following points.
- a) Wet nursery preparation
  - b) Transplanting of seedlings
  - c) Nutrient management
  - d) Harvesting and yield
- Q.2** Describe the cultivation practices of *Kharif* sorghum (grain purpose) on the following points.
- a) Seed bed preparation
  - b) Seed and sowing
  - c) Interculturing
  - d) Harvesting and yield
- Q.3** Describe in detail the cultivation of groundnut on the following points.
- a) Seed and sowing
  - b) Nutrient management
  - c) Inter-cultivation
  - d) Sign of maturity and harvesting
- Q.4** Explain in detail the cultivation practices of pigeon pea on the following points.
- a) Soil and seedbed preparation
  - b) Seeds and sowing
  - c) Nutrient management
  - d) Harvesting and yield
- Q.5** Prepare the leaflet on cultivation of fodder maize.
- Q.6** Describe the cultivation practices for irrigated hybrid cotton on the following points.
- a) Seed and sowing
  - b) Nutrient management
  - c) Weed management
  - d) Harvesting and yield
- Q.7** Explain in detail the cultivation of soybean on the following points.
- a) Soil and climate
  - b) Seed and sowing
  - c) Improved varieties.
  - d) Harvesting and yield
- Q.8** Explain in detail the cultivation practices of black gram (urd bean) on the following points.
- a) Soil and climate
  - b) Seed and sowing
  - c) Manures and fertilizer
  - d) Harvesting and yield

**(P.T.O.)**

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Q.9 Describe sowing method, harvesting and yield of the following crops.(Any two)

- a) Cowpea for fodder
- b) Hybrid Napier
- c) Fodder sorghum

Q.10 Write short notes (Any two).

- a) Importance of oilseeds.
- b) Seed and sowing of sesame
- c) Retting of jute.

#### SECTION "B"

Q.11 Match the following pairs.

'A'

- 1) Horse gram
- 2) Kidney bean
- 3) Black gram
- 4) Cow pea

'B'

- a) *Vigna unguiculata*
- b) *Phaselous mungo*
- c) *Phaseolus aconitifius*
- d) *Dolichus biflorus*

Q.12 Fill in the blanks.

- 1) In pulse crops \_\_\_\_\_ bio-fertilizer is used for N fixation.
- 2) \_\_\_\_\_ is the botanical name of finger millet.
- 3) The origin of groundnut is \_\_\_\_\_.
- 4) Kodo millet and finger millet are useful for \_\_\_\_\_ patients.

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