

AGRO-234

Section A

1] Explain in detail the cultivation practices of lowland rice on the following points.

- A) Wet nursery preparation B) Transplanting of seedlings (field preparation for transplanting) C) Nutrient Management D) Harvesting and yield

Describe in detail the cultivation of paddy on the following points. /

Describe SRI cultivation of rice on the following points.

- A) Soil and climate b) Fertilizers management
c) Irrigation/Water management D) Harvesting and yield.
e) Spacing and Seedling f) Weed management.

2] Describe the cultivation of Kharif sorghum (grain purpose) on the following points.

- a) Seedbed preparation b) Seed and sowing
c) Inter-culturing/ Inter-cultivation /Inter-cropping
d) Harvesting and yield e) Manures and fertilizers
f) Ratoon crop Management g) Soil and Climate h) Growth Stages.

3] Describe in detail the cultivation of Groundnut on the following points.

- a) Economic Importance b) Soil And Climate c) Seed and sowing
d) Nutrients management e) Inter-cultivation f) Signs of maturity and

harvesting. g) Improved varieties. f) Water management h) Intercultural operations.

4] Describe in detail the cultivation of Pigeon pea on the following points.

- a) Soil and Climate, seedbed preparation b) Seeds and Sowing
- c) Nutrients/fertilizer management d) Harvesting and yield.
- e) Rotation and Inter/ Mixed cropping f) Weed, Pest Management (Plant Protection).

5] Prepare the leaflet on the cultivation of fodder Maize.

OR Explain in detail the cultivation of Maize for Fodder /forage purpose on the following points.

- a) Soil and climate b) Seed and sowing c) Nutrient Management
- d) Harvesting and Yield e) Water management.

6] Describe in detail the cultivation of irrigated hybrid cotton [cotton] / American cotton (Rain fed) on the following points.

- a) Soil and climate b) Seed and sowing c) Inter-cultivation
- d) Weed management e) Nutrient Management f) Quality parameters
- g) Harvesting and yield. h) Critical growth stage i) Plant Protection

7] Describe in detail the cultivation of Soyabean on the following points.

- a) Soil and climate b) Seed and sowing
- c) Improved varieties/ Selection of varieties d) Weed management.
- e) Harvesting and Yield f) Land preparation g) Nutrient management

8] Describe in detail the cultivation of Green gram on the following points.

- a) Field preparation b) Seed and sowing c) Water management
- d) Harvesting and yield e) Economic importance f) Improved Varieties.

9] Describe in detail the cultivation of Black gram [urad bean] on the following points.

- a) Soil and climate b) Seed and sowing c) manures and fertilizers
- d) Harvesting and yield. e) Improved varieties

10] Describe in detail the cultivation of Finger millet on the following points.

- a) Improved Varieties b) Seed and sowing
- c) Weed management d) Harvesting and yield.

11] Discuss in detail about sowing and harvesting of the following crops.

- a) Dinanath grass b) Para Grass c) Hybrid Napier d) Cluster bean

12] Describe sowing methods, harvesting and yield of the following crops.

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

13] Discuss on seed and sowing and fertilizer management of Soyabean and Castor Crop.

14] Write Short notes on the following:

- a) Retting and Fiber extraction in Jute.

- b) Nutritive value of minor millets.
- c) Economic Importance of Soyabean
- d) System of Rice intensification (SRI)
- e) Malting of Finger millet.
- f) Importance of oilseeds.
- g) Seed and sowing of Sesame.
- h) Describe in the brief causes for low production of fodder in India.
- i) Benefits of minor millets.
- j) Economic Importance of Green gram.

Section B (Objective)

Que. 1) Fill in the blanks:

A]

- 1) The protein content of milled rice is usually **6-7%**.
- 2) Napier grass belongs to family **Poaceae / Gramineae**.
- 3) Botanical Name of Foxtail millet is ***Setaria italic (L.) Beauv.***
- 4) Groundnut Seed Contains **45-55%** oil.
- 5) *In pulse crops **Rhizobium** bio-fertilizer is used for N fixation.
- 6) ***Eleusine coracona*** is the botanical name of Finger millet.
- 7) The origin of Groundnut is **Brazil**.
- 8) Kodo millet and Finger millet are useful for **diabetes** patients.
- 9) Cotton belongs to **Malvaceace** family.
- 10) Maan and Sina are the varieties of **Horse bean** crop.
- 11) The botanical name of Dhaincha is ***Sesbania aculeata***.
- 12) Niger contains **37-47** % oil.
- 13) **Alfalfa crop** is called King of forage crops.
- 14) Dhan shakti is high iron contain variety of **Pearl Millet**.
- 15) Seed rate for Berseem grass crop is **20-25** kg. per ha.
- 16) Pearl millet crop harvested for forage purpose at **Boot** stage.
- 17) The oil content in Groundnut seed is **44-50** percent.
- 18) **Striga** is a root parasite of Sorghum.
- 19) Kidney bean belongs to family **Fabaceace**.
- 20) The ergot is the serious fungal disease of **Pearl Millet**.
- 21) Niger seed contains **35-40** percent oil.
- 22) Jute fiber is known as **Golden fibre**.
- 23) Inter cultivation in Groundnut is restricted after **Pegging**

stage.

Que. 2) Match the following pairs:

1]

1) Horse gram	d	a) <i>Vigna unguiculate</i>
2) Kidney bean	c	b) <i>Phaselous mungo</i>
3) Black gram <i>aconitifius</i>	b	c) <i>Phaselous</i>
4) Cow pea	a	d) <i>Dolichus biflorus</i>

2]

1) Groundnut	d	a) Mexico
2) Maize	a	b) South East Asia
3) Rice	b	c) India
4) Black Gram	c	d) Brazil

3]

1) Tassel	d	a) Soyabean
2) Dapog	a	b) Sun hemp
3) Bhagar	h	c) Rice
4) Mataka	g	d) Maize
5) Pedaliaceae	f	e) Sorghum
6) Hydrocyanic acid	e	f) Sesame

7) Wonder Crop	a	g)Moth bean
8) Fiber	b	h)Barnyard

4]

1) Pawna grass	f	a) <i>Pennisetum glaucum</i>
2) Horse bean	b	b) <i>Kultha</i>
3) Forage bajara	a	c) <i>African tall</i>
4) Maize	c	d) <i>Cenchrus ciliaris</i>
5) Anjan grass	d	e)Fungal disease
6) Groundnut	g	f) <i>Schima nervosum</i>
7) Trichoderma	e	g) <i>Arachis hypogaea</i>
8) Blue panic	h	h) <i>Neel grass</i>

This Note Downloaded from WEBSITE

Visit For Other **B.Sc AGRICULTURE** Notes, Practical Manual, Question Paper, Model Answer Paper, And other Agriculture InformationWWW.BSCAGRISTUDY.ONLINE**WWW.BSCAGRISTUDY.ONLINE**