

M.Sc. (Ag.) Examination, 2019
Semester-II
Agronomy
Course : AGR-509
Agronomy of Oilseed Crops

Time : 3 Hours

Full Marks : 50

Questions are of value as indicated in the margin.

Answer **any five** questions.

1. a) Classify rapeseed-mustard
b) Discuss the modern production technology of Rapeseed-mustard with reference to
i) Sowing parameters ii) Manures and fertilizers iii) Weed management
iv) Harvest and yield. 2+(2+3+2+1)=10
2. a) Write in short about the problems and prospects of Oilseed cultivation in India.
b) Discuss the modern production technology of groundnut with reference to
i) Sowing parameters (*kharif*) ii) Nutrient management iii) Weed management
iv) Harvesting 2+(2+2+2+2)=10
3. Write in short about the package of practices of Summer Sesame cultivation with special reference to sowing variables, soil and climatic requirements, nutrient management, water management and yield. 3+3+1.5+1.5+1=10
4. a) Safflower is an important crop in dryland area-Justify.
b) Write down the improved agronomic practices in Safflower with relation to sowing parameters, water management and nutrient management.
c) Oil quality of Sesame. 2+(2+2+2)+2=10
5. Write in short about the package of practices of soybean cultivation with special reference to sowing variables, soil and climatic requirements, nutrient management, water management and yield. 3+2+2+2+1=10
6. a) Write down the suitable soil and climate for sunflower cultivation. Give a brief account on the advantages of sunflower cultivation.
b) Write down the improved agronomic practices in linseed with relation to sowing parameters and nutrient management.
c) Problems in sunflower cultivation. (2+2)+(2+2)+2=10
7. Write short notes on (**any four**) : 4×2.5=10
 - i) Role of 'S' in oilseed crop
 - ii) Prevention and control of *Aflatoxin* contamination
 - iii) Importance of linseed
 - iv) Peanut gynophores

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- v) Wonder crop-Soybean
- vi) Carthamin
- vii) Tikka disease in groundnut

8. Expand the following facts (**any four**) :

4×2.5=10

- i) Castor cultivation in marginal land
 - ii) Pungency in mustard oil
 - iii) Gypsum plastering of groundnut
 - iv) Groundnut is called the “King of Oilseed”
 - v) Nipping in Castor
 - vi) Role of Fe and Zn in Groundnut
 - vii) Taramira
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