

M.Sc. (Ag.) Examination, 2018
Semester-II
Agronomy
Course- AGR-509
(Agronomy of Oilseed Crops)

Time: Three Hours

Full Mark: 50

Questions are of value as indicated in the margin

Answer **any five** questions

1. Write in details about botany, economic importance, soil and climate, nutrient management and varieties of groundnut. 2+2+2+3+1=10
 2. Briefly discuss about economic importance, climate and soil, weed management, nutrient management and water management of sesame. 2+2+2+2+2=10
 3. (a) Classify Rapeseed-Mustard
(b) Differentiate between Rapeseed and Mustard in terms of morphology
(c) Write in details about the production technology of Rapeseed-Mustard with special reference to soil and climate, nutrient management and water management. 2+2+(2+2.5+1.5)=10
 4. (a) What are the problems and prospects of oilseed crops in India? What are the strategies to improve the oilseeds growing area in West Bengal?
(b) Write a brief note on the quality of oilseed crops. 2+2+6=10
 5. (a) Why soybean is known as a wonder crop? What are the advantages of growing castor over other oilseed crops?
(b) Narrate in detail about the agronomic practices of soybean cultivation with special reference to sowing parameters, nutritional management and weed management. 2+1.5+(2.5+2.5+1.5)
 6. Mention the importance of sunflower cultivation. Describe the package of practices of sunflower cultivation with special reference to soil and climate, sowing parameters and fertilizer management. How will you manage water and nutrient in sunflower? 2+(2+1+2)+(1.5+1.5)=10
 7. Write notes on the following (**any five**): 5×2=10
 - (a) Role of S in oilseed production
 - (b) Taramira
 - (c) Peanut gynophore
 - (d) Aflatoxin contamination
 - (e) Seed treatment in groundnut
 - (f) Importance of linseed
 - (g) Utera cropping of linseed
 8. Write notes on the following (**any four**): 4×2.5=10
 - (a) Sowing attributes of linseed
 - (b) Fertilizer management in castor
 - (c) Irrigation management in soybean
 - (d) Oilseeds based cropping systems
 - (e) Cultural practices in castor
 - (f) Economic importance of Safflower
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