

M.Sc. (Ag.) Semester-II Examination 2017

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) Varieties
 $2+(2+3+2+1)=10$
 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) Seed treatment
(iii) Nutrient management (iv) Weed management
 $2+(2+2+2+2)=10$
 3. Write in short about the package of practices of Sesame cultivation with special reference to sowing variable, 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) 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 variable, 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 importance of sunflower.
(b) Write down the improved agronomic practices in linseed with relation to sowing parameters, nutrient management and weed management.
 $(2+2)+(2+2+2)=10$
 7. Write short notes on (**any four**) :
 $4 \times 2.5 = 10$
 - i) Role of 'S' in oilseed crop
 - ii) Prevention and control of *Aflatoxin* contamination
 - iii) Linseed as *Paira* cropping
 - iv) Pegging in groundnut
 - v) Wonder crop-Soybean
 - vi) Carthamin
 8. Explain the following facts (**any four**) :
 $4 \times 2.5 = 10$
 - i) Castor cultivation in marginal land
 - ii) Pungency in mustard oil
 - iii) Gypsum plastering of groundnut
 - iv) Late sowing of mustard and rapeseed in West Bengal
 - v) Groundnut is called the "King of Oilseeds"
 - vi) Nipping in Castor
 - vii) Importance of linseed
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