

M.Sc. (Ag.) Examination, 2017
Semester-II
Plant Protection
Course – PPC-505
(Diseases of Field Crops and Their Management)

Time: 3 Hours

Full Marks: 50

Questions are of value as indicated in the margin.

Answer **any five** questions

1. Name one each of the disease of rice with causal agent caused by fungus bacterium, virus and nutrient deficiency. Write in brief about the sheath blight **OR** tungro disease of rice with special reference to symptoms, aetiology, perpetuation and suitable management of the disease. 2+3+1+1+3=10
 2. Briefly describe the aetiology, symptoms and management of tikka disease of ground nut **OR** red rot of sugarcane. 2+5+3=10
 3. Name different types of rust of wheat with their causal organisms. Briefly describe the symptoms, disease cycle and management of any one of them. 3+3+2+2=10
 4. Write briefly about the symptoms, aetiology, predisposing factors and management of angular leaf spot of cotton **OR** root knot disease of rice. 4+1+2+3=10
 5. Write briefly about sesame phyllody and give a brief account of angiospermic plant parasites. 5+5=10
 6. Write briefly about the symptoms, aetiology, predisposing factors and management of loose smut of wheat **OR** Bacterial leaf blight of rice. 4+1+2+3=10
 7. Write short notes on: (**any four**) 2.5×4=10
 - i) Pigeon pea sterility mosaic
 - ii) Earcockle of wheat
 - iii) Grassy stunt disease of sugarcane
 - iv) Mungbean yellow mosaic
 - v) Karnal bunt of wheat
 - vi) Ground nut rosette
 - vii) White rust of mustard
 - viii) Tobacco mosaic disease
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