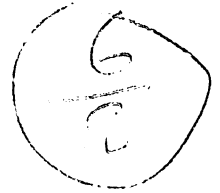


KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2012 Admission

Vth Semester Final Examination- January/February-2015



Cat. No: Path.3103

Marks: 80

Title: Diseases of Field Crops and their Management (2+1)

Time: 3 hours

I) Fill up the blanks

(10 x 1=10)

1. Life cycle of yeast is called _____
2. _____ is a storage disease in onion
3. A seed borne bacterial disease in cabbage is _____
4. Specific fungicide for the management of blister blight disease of tea _____
5. _____ is the vector for leaf curl disease of cotton

Match the following

- | | |
|-------------------------|-------------------------|
| 6. Flag smut of wheat | - Downy mildew |
| 7. Karathane | - NaOH soak method |
| 8. Biological clock | - Internally seed borne |
| 9. Karnal bunt of wheat | - Powdery mildew |
| 10. Alliete | - <i>Pilabolus</i> |

II Write short notes on any TEN

(10 x 3=30)

1. Management of cassava mosaic virus
2. Root disease of pulses
3. Pineapple disease of sugarcane and its management
4. Tundu disease of wheat
5. List out diseases of tomato along with primary and secondary source of inoculums
6. Crazy top diseases of maize and its management
7. Aerated steam therapy
8. Yellow vein mosaic of bhendi
9. Sterility mosaic of pigeon pea
10. White rust disease of mustard and its management
11. Lakshmi disease of rice and its management
12. *Puccinia* pathogen

III Write short essays on SIX of the following

(6 x 5 =30)

1. Explain aerobiology of black stem rust of wheat
2. Explain in detail about symptoms and management of black arm of cotton
3. Life cycle of late blight disease of potato

4. Explain bacterial blight of rice and its management
5. List out diseases of tobacco and write in detail about wild fire disease and its management
6. Write a note on viral diseases of rice and their management
7. Compare and contrast downy mildew and powdery mildew diseases of field crops and write their management
8. Explain smut disease of sorghum

IV Write essay on ANY ONE

(1 x 10=10)

1. Compare and contrast chemical and biological control strategies for management of disease and explain use of new generation fungicides
2. Explain symptoms ,causal agents and management of important diseases of chilli