

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Ag. Programme
IInd Semester Re-Examination- August -2014

Cat. No: Path.1101

Marks: 80

Title: Introductory Plant pathology (1+1)

Time: 3 hours

I. True / False

10 X 1 = 10 Marks

1. Conidia are asexual spores of *Rhizopus*
2. Sclerotia are sexual spores of *sclerotium rolfsii*
3. Acervuli are sexual fruiting bodies of *Colletotrichum capsici*
4. In Oomycetes mycelia are non septate and hyaline
5. Oidium type of conidiophore is observed in *Erysiphe polygoni*
6. *Orabanche* is a total root parasite
7. Parasites which are completely depend on living host are called obligate parasite
8. *Colletotrichum spp.* are picnidial fungi
9. Bacteria are prokaryotes
10. Sorghum smut is a polycyclic disease.

II. Write Short notes on any ten

10 X 3 = 30 Marks

1. Homothallism
2. Biotype
3. Incubation period
4. Spermatization
5. Viroid
6. Isogametic copulation
7. *Azygospores*
8. Mycelia sterilia
9. Sporodochia
10. Microcyclic rust
11. Ascostroma
12. Toxin

III. Write short essays on Any six of the following

6X 5 = 30 Marks

1. Compare and contrast the genera *Pythium* and *Phytophthora*
2. Asexual fruiting bodies in fungi
3. Reproduction, survival and mode of spread of bacterial plant pathogens
4. Different types of spore stages in rust fungi
5. Classification of Agaricales upto genera level
6. Symptoms of important viral diseases
7. Classification of Oomycetes upto genera level
8. Gametangial copulation in *Rhizopus*

IV. Write essay of Any One

1 x 10 = 10 Marks

1. Write briefly the sexuality or methods of reproduction in fungi
2. Common symptoms of plant diseases caused by fungi.