

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2013 Admission

IInd Semester Final Examination- August-2014

Cat. No: Path.1101

Title: Introductory Plant Pathology (1+1)

Marks: 50

Time: 2 hours

I) State True or False

(10 x 1=10)

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. Odium type of conidiospore 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 FIVE

(5 x 2=10)

1. Homothallism
2. Biotype
3. Viroid
4. Isogametic copulation
5. Azygospores
6. Microcyclic rust
7. Ascostroma

III Write short essays on FIVE of the following

(5 x 4=20)

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

IV Write essay on ANY ONE

(1 x 10=10)

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