

## Model Question Paper

### Diseases of field and horticultural crop and their management-I

ASPP2202 (2+1)

#### 1. Fill in the blanks ( 1 x 5 = 5)

- i. The causal organism of rice blast is .....
- ii .....causes green ear disease in bajra
- iii. The biocontrol agent used for the management of plant pathogenic bacteria is .....
- iv. Propiconazole is an example for ..... fungicide
- v. The anthracnose diseases are caused by the fungal genera .....

#### 2. Match the following (0.5 x 10 = 5)

- |                        |                   |
|------------------------|-------------------|
| i. Brown spot of rice  | Xanthomonas       |
| ii. Rhizctonia spp     | Conidia           |
| iii. Banana Bunchy top | Helminthosporium  |
| iv. Biotrophs          | Sclerotia         |
| v. BLB in rice         | Puccinia          |
| vi. Alternaria         | Aphids            |
| vii. Papaya mosaic     | Geminate          |
| viii. Begomovirus      | Green Ear Disease |
| ix. Bajra              | Rust              |
| x. Uredospore          | Poty virus        |

#### 3. True or False (Correct the False statement) (1 x 5 = 5)

- i. Potyvirus have ssDNA genome
- ii. Fusarium spp produces three types of asexual spores
- iii. Thrips transmit the *Begomovirus*
- iv. Azoxystrobin is used for the management of bacterial diseases
- v. Pythium is a soil borne pathogen

#### 4. Write short notes on any 5 ( 5 x 3 = 15)

1. Yellow mosaic of urdbean
2. Banana sigatoka : Symptoms and management
3. Khaira disease of rice
4. Cultural control of soil borne pathogens
5. Important fungicides with dose for the management of foliar fungal pathogens
6. Green ear disease of Bajra
7. Blank shank of Tobacco
8. Integrated disease Management

#### 5. Long Answer (6 x 5= 30)

1. Explain the viral diseases of banana with symptoms, etiology, disease cycle and management
2. Enlist the major diseases of Rice. Explain in detail about Rice Blast
3. Describe disease cycle of sorghum smut with a neat diagram
4. Explain the IDM of viral diseases
5. Enlist the major diseases of Tomato. Explain in detail about symptoms and management of bacterial wilt