

Chapter 8 Plant Pathology

1. The symptoms of black arm in cotton are
 - (A) gummosis
 - (B) circular leaf spots
 - (C) venial Blight
 - (D) spots on cotyledons

2. Management practice for RSD includes
 - (A) disease free nursery
 - (B) heat therapy for seed
 - (C) selection for seed from commercial crop
 - (D) plant breeding

3. The effect of late blight of potato under field condition is
 - (A) temporary
 - (B) secondary
 - (C) primary
 - (D) tertiary

4. Choose the CORRECT option from the following pairs.
 - (A) Bunt of rice – *Tilletia barclayana*
 - (B) Stem rot of jute – *Xanthomonas oryzae*
 - (C) Ergot of rye – *Cercospora personata*
 - (D) Ring rot of potato – *Corynebacterium sepidonicum*

5. Identify which of the following statements are CORRECT?
 - (A) *Rhizoctonia solani* causes seedling blight of wheat
 - (B) *Gebberella zeae* causes root rot of wheat
 - (C) *Phytophthora infestans* causes late blight of potato
 - (D) *Tilletia caries* causes bunt of wheat

6. Which of the following statements are CORRECT with respect to chemical defense in plants.
 - (A) Pisatin, a phytoalexin produced by *Ricinus communis* is a constitutive defense compound
 - (B) *Phaseolus vulgaris* produces *Phaseolus agglutinin* I, which is toxic to the cowpea weevil
 - (C) A single step non-enzymatic hydrolysis of cyanogenic glycoside releases the toxic hydrocyanic acid (HCN) to protect plant against herbivores and pathogens
 - (D) Avenacin, a triterpenoid saponin from oat prevents infection by *Gaeumannomyces graminis*, a major pathogen of cereal roots

7. The diseases caused by fungi are
 - (A) fusarium rots
 - (B) powdery mildews
 - (C) root knot
 - (D) sclerotium rots

8. Witches broom in different plants is caused by

- (A) MLO
 - (B) viruses
 - (C) bacteria
 - (D) fungi
9. The “Black 47” is related to
- (A) Great Bengal Famine
 - (B) Irish Famine
 - (C) potato
 - (D) tomato
10. Which of the following are the examples of commensalism?
- (A) Barnacles and sea turtle
 - (B) Cattle egrets and birds
 - (C) Gila woodpeckers and small animals
 - (D) Oxpeckers and grazing Animals

Answer

- 1. (A), (C), (D)
- 2. (A), (B), (C)
- 3. (B), (C)
- 4. (A), (B), (D)
- 5. (C), (D)
- 6. (B), (D)
- 7. (A), (B), (D)
- 8. (A), (B), (C), (D)
- 9. (B), (C)
- 10. (A), (B), (C)