



PG – 532

**VII Semester M.Sc. (Integrated Course) Degree
Examination, December 2017/January 2018
(CBCS)
BIOLOGICAL SCIENCES
IBS 701 : Pathology**

Time : 3 Hours

Max. Marks : 70

Instruction : Illustrate wherever necessary.

SECTION – A

1. Answer **any ten** of the following in **three** or **five** sentences : **(10×2=20)**
- a) Etiology
 - b) Pebrine
 - c) Phytoalexins
 - d) Heterokaryon
 - e) TMV
 - f) Necrosis
 - g) Brucellosis
 - h) Host resistance
 - i) Mastitis
 - j) Xanthomonas citri
 - k) Nematode
 - l) Inflammation.

SECTION – B

- Write notes on **any four** of the following : **(4×5=20)**
- 2. Course and termination of diseases.
 - 3. Host – parasite interaction and co-evolution.
 - 4. Biological control.

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5. Endogenous and Exogenous pigmentations.
6. Management of coccidiosis.
7. Importance of plant quarantine.
8. Role of chemical mediators in inflammation.

SECTION – C

Give a comprehensive account on **any two** of the following :

(2×15=30)

9. Describe reversible and irreversible cell injuries.
 10. Write an account of plant fungal pathogens.
 11. Describe the life cycles of selected bacterial pathogens affecting agricultural crops.
 12. Explain about the management of foot-and-mouth disease in cattles.
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