

B.Sc. (Hons. in Agriculture)

5889/ML

u-53/2061

Part-I (Semester-II)

Paper: (Basic Zoology – ZOO-101) For Non-Medical Students -XVI- B

Time allowed: 3 hrs.

Max. Marks: 45

Candidates are required to attempt two questions from each section A and B and the entire section C.

Section – A

1. Explain in detail about the knowledge of typical animal cell. 9
2. Discuss structure of DNA in detail. 9
3. ~~Classify up to class, write habits and economic importance of the following:~~
 - a) *Amoeba*
 - b) *Sycon*
 - a) Tapeworm 3X3=9
4. Draw labeled diagram and economic importance of the following:
 - a) Honey bee
 - b) Frog
 - c) *Rohu* 3X3=9

Section – B

5. Discuss in detail about the urino-genital and nervous system of rabbit. 9
6. Write in detail about digestive and circulatory system of rabbit. 9
7. Explain composition of blood and its functions in detail. 9
8. Give an elementary account of endocrine gland and their functions. 9

Section – C

- Q. 9. Short answer questions 9X1=9
1. Explain RNA.
 2. Write about meiosis.
 3. Discuss different animal tissues.
 4. Economic importance of *Pheretima*.
 5. Write about habitat of *Unio*.
 6. Classify woodpecker.
 7. Unique features of respiration in rabbit.
 8. Write functions of endocrine gland.
 9. Give an account on immunity.