

The Submission of the assignment has to be completed by all the student on or before 7th August, 2020 on the site www.sbdeorahonline.in in PDF format only.

T.D.C. IInd Semester

Paper Code:-ZOO-HC-2028(M)

Paper name:- Cell Biology

Total Marks:- 50

- 1. Answer the following questions:-. 1×5=5**
- i. What is prion?
 - ii. What is viroid?
 - iii. What do you mean by facilitated transport?
 - iv. Why mitochondria is known as powerhouse of the cell?
 - v. What are intermediate filaments?
- 2. Answer the following:-. 3×5=15**
- i. Differentiate between prokaryotic and eukaryotic cells.
 - ii. Differentiate between passive transport and active transport.
 - iii. Differentiate between microtubules and microfilaments. iv. What are the functions of endoplasmic reticulum?
 - v. Differentiate between euchromatin and heterochromatin.
- 3. Answer the following questions:-. 5×3=15**
- i. Write about the meiotic process of cell division briefly.
 - ii. Describe the structure of nucleoside with suitable diagram.
 - iii. What are peroxisomes? What are the functions carried out by the peroxisomes?
- 4. Write about GPCR and role of second messenger (cAMP) briefly with suitable diagram. 10**
- 5. Write about the cell cycle checkpoint and their regulations. 10**
