Unique Paper Code: 42237903

Name of the Paper: DSE – AnimalBiotechnology

Name of the Course B.Sc. (Prog.) Life Sciences

Examination, 2020-CBCS

Semester : V

Duration : 3 hours

Maximum Marks : 75 Marks

## **Instructions for Candidates**

Write your RoNo., Name of the paper, Course Semester, and Date examination on first page of answer sheet.

Attempt ANYOUR questions all questions carry equalrks

Illustrate your answers with appropriate diagrahes evernecessary.

- 1. Describe how chimeric DNA is prepared and different tools are required for the purpose. (18.75)
- 2. What are the important features required a cloning vector? Explain one example each of the vectors used prokaryotic cell, plant celland animal cell. (18.75)
- 3. Describe how bicknips are used for studying the gene expression? Add a note on its applications. (18.75)
- 4. Describe the Chain termination method DNA sequencing using the sequence 3' ATGGCTACGTACCTAGATCCT -5' with all the steps involved in the process. Also enumerate the application of the DNA sequencing technique. (18.75)
- 5. Discuss in detail aboditferent strategies of production of Insect resistalants.

(18.75)

6. How does biotechnology help in the molecular diagnosis of diseases? Elaborate any one diagnostic test that has been loped for Sickle Cell Anaemia. (18.75)

## Download all NOTES and PAPERS at StudentSuvidha.com