

No. of Printed Pages : 02

Roll No.

G122

B. Tech. EXAMINATION, 2020

(Seventh Semester)

(B Scheme) (Main & Re-appear)

(BT)

BT403B

DRUG AND VACCINE DEVELOPMENT

Time : 2½ Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Four* questions in all. All questions carry equal marks.

1. Discuss in detail the regulatory aspects of therapeutic proteins as drugs.
2. Describe the detailed procedure of engineering of human growth hormone and enlist the application of same.
3. Discuss in detail the production of monoclonal antibodies and their application.
4. Explain the various approaches for producing HIV therapeutic agents.
5. Describe the immune response of host against viral and bacterial diseases.
6. Explain the concept of autoimmunity. Also enumerate the causative factors for autoimmune diseases.
7. Elaborate the important types of vaccines currently in use.
8. Discuss commercial and regulatory aspects of vaccine production and distribution.