

[48/A-6]

SC

SEAT No. _____

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SARDAR PATEL UNIVERSITY
M. Sc. Integrated Biotechnology (IG-IBT) 10th Semester
Theory Examination – March 2019
PS10CIGIB1 – Biopharmaceuticals & Biotherapeutics
18th March 2019 (Monday), 10:00 am to 1:00 pm

Maximum Marks: 70

Note: (1) All the Questions are compulsory. (2) Figures on the right indicate marks.

Q.1. Choose the correct option 1 × 8 = 8

- (i) _____ involves the passage of the drug from its site of administration into the blood.
[A] Distribution [B] Absorption
[C] Insertion [D] None of these
- (ii) _____ provides a high-level assurance that medicines are manufactured in a way that ensures their safety, efficacy and quality.
[A] GLP [B] Quality control
[C] GMP [D] None of these
- (iii) A group of proteins therapeutics with special targeting deals with _____.
[A] Interfering with a molecule.
[B] Delivering other compounds/proteins.
[C] Both (A) and (B).
[D] None of these.
- (iv) In early stages of development of the modern pharmaceutical industry, _____ was used to treat syphilis.
[A] Digitalis [B] Mercury
[C] Quinine [D] All of these
- (v) Which of the following are the 'type I interferons' or 'acid stable interferons': true?
[A] IFN- α and INF γ [B] IFN- α and INF β
[C] IFN- β and INF γ [D] None of these
- (vi) IL-2 are produced by _____.
[A] Dendritic cells [B] Fibroblasts
[C] T-lymphocytes [D] Astrocytes
- (vii) Which of the following is the first recombinant fast acting insulin analogue to gain marketing?
[A] Insulin Aspart [B] Insulin Lispro
[C] Lantus [D] Optisulin
- (viii) Which of the following is/are limitation of conventional dosage _____.
[A] Poor patient compliance [B] Drug fluctuation can lead adverse effect
[C] Frequency of drug increases [D] All of these

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(P.T.O)

