

(PBR) and fluidized bed reactor (FBR)?

(i) Write down the element of biosensors.

Section-B

Q2. Attempt any five parts. All parts carry equal marks:

(5×10=50)

(a) Derive a Michaelis-Menten equation for enzyme catalyzed reaction.

(b) Describe the co-operative behaviour of hemoglobin through concerted and sequential model.

(c) Describe diagrammatically purification of enzyme through affinity chromatography.

positive feedback inhibition with appropriate example.

(h) Write the applications of immobilized enzyme system.

Section-C

Attempt any two questions from this section.

(2×15=30)

Q3. Explain the matrix entrapment of enzyme in brief. Write advantages and disadvantages of immobilization of enzymes by matrix entrapment. Give two examples of immobilization of enzymes by matrix entrapment.

(2)

(3)

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Q4. Explain two methods of total protein. www.FirstRanker.com

Q5. Derive Michaelis-Menten equation for uncompetitive inhibition. Draw the Lineweaver Burk plot showing the effect of uncompetitive inhibition.

(4)

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