 (ii) Select a method of gene transfer: (a) Replication (b) Electrophoresis (c) Transformation (d) All of the above (iii) Hepatitis vaccine is used for: (a) Jaundice (b) Cholera (c) Typhoid (d) None of the above (iv) Streptomycine is: 		 (b) Exo and Endo nucleases. (c) Plasmid—cloning vehicle. OR (d) Agarose Gel Electrophoresis. (e) DNA manipulating enzymes. (f) Bacteriophages—cloning vehicles. 3. (a) Discuss Electroporation. (b) Colony hybridization. (c) Maxam Gilbert technique. OR 	4 4 4 4 4 4 4
(a) Antibacterial (b) Antiviral (c) Both (d) None (C) Answer in ONE sentence: (i) Genetic engineering (ii) Gene therapy (iii) Interferon (iv) Ketir.	4 (Contd.)	 (f) Genomic DNA Library. 4. Describe in brief: (a) Ames test. (b) Antibiotic resistant mutants. (c) Analogue resistant mutants. OR (d) Auxotrophic mutants. (e) Mutant resistant to toxic compounds. (f) Enlist various genetic techniques in strimprovement. 	4 4 4 4 rain 4 ontd.)

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