

GATE 2021 XL Biochemistry & Microbiology (Memory-Based) – CollegeDekho Exclusive

Question	Question
<p>Which of the following does not absorb at 280nm at 1mg/mL concentration?</p> <p align="center">ATP polydeoxyguanidylate Phe Tyr</p>	<p>What is the pKa of Arg side chain</p> <p align="center">4 7 9</p>
<p>Where in hepatocytes are drugs metabolized</p> <p align="center">RER SER Golgi Nucleoli</p>	<p>Which Carbohydrate pairs are epimers</p> <p align="center">Glucose, Galactose Glucose, Fructose Mannose, Fructose Glucose, Mannose</p>
<p>To which base can Inosine pair with, in the wobble position?</p> <p align="center">U A G C</p>	<p>Which Vitamin is not a coenzyme</p> <p align="center">Riboflavin Folic acid Ascorbic Acid Thiamine</p>
<p>Which lipid is non anionic?</p> <p align="center">Lecithin Phosphatidylinositol Sphingomyelin Galactocerebroside</p>	<p>Which amino acid forms a push pull system with dansyl?</p> <p align="center">Aspartate Asparagine Lysine Histidine</p>
<p>Left shift in HbO₂ saturation plot indicates?</p> <p align="center">High pH High 2,3-BPG High CO₂ Decrease in cooperativity</p>	<p>Which is correct about SDS PAGE?</p> <p align="center">Larger proteins move slower than smaller proteins Beta-mercaptoethanol reduces disulfide bonds in the tertiary protein Proteins move toward the anode Ethidium bromide is used to visualise the extent of the electrophoresis</p>
<p>Which of the following are high energy compounds</p> <p align="center">1,2-bisphosphoglycerate PEP AMP Vitamin K</p>	<p>Which enzyme carries out substrate level phosphorylation</p> <p align="center">Phosphofructokinase I ATP Synthase Pyruvate Kinase Succinate thiokinase</p>
<p>Anti B antibodies are found in the serum of people with blood group:</p> <p align="center">A B AB O</p>	<p>Which mode of transport requires ATP</p> <p align="center">Active transport Facilitated diffusion Unaided diffusion Na-K pump</p>
<p>What is the column used in Gel Filtration Chromatography made of?</p>	<p>Which enzyme is used in PCR</p> <p align="center">Primase</p>

<p>Cellulose-DEAE Cellulose-CM Sephrose Dextran Blue</p>	<p>Taq DNA pol Klenow fragment DNA Pol II</p>
<p>Hypoxanthine-guanine phosphoribosyltransferase (HGPRT) is absent in which cell: B cell T cell Myeloid cell Macrophage</p>	<p>Match the columns IgG IgM IgA IgE</p> <p>Secreted first during primary immune response Imparts immunity to foetus Protects mucosal linings Involved in allergies</p>