

DBT BET Exam Paper Analysis 2025, Check Topic, Questions

- Protein-DNA interaction is not studied in which of the following?
 - Yeast two hybrid
 - Yeast one hybrid
 - EMSA
 - ChIP
- First transgenic crop
- Question on pKa and pH
- Ethidium bromide's method of linking to DNA
- Bidirectional solute transport occurs in which vessel?
- Three calendar-related questions
- Where is white matter located?
 - a. Axon
 - b. Cell body
- First committed glycolytic enzyme
- Match the following bioprocessing products: curd, cheese, etc.
- Which of the following acids is the weakest?
 - Acetic acid
 - HF
 - HNO₂
 - HCN
- Two to three questions on age and relationship
- Which two genes of Agrobacterium tumefaciens activate all others?
- If a polypeptide has 120 amino acids in an alpha helix, what is its length?
- Histones contain more of which amino acids: arginine and lysine?
- Fluorescence in proteins is caused by which amino acids? (Two questions)
- Question on sulphur-containing amino acids
- Two questions each on FTIR, UV, and CD spectroscopy
- One question on NMR
- Two questions matching principles in chromatography
- Two questions specifically on gel filtration chromatography
- If pH is lower than pKa, what will be the nature of ions?
- Given sedimentation coefficients for two substances, determine their relationship in terms of molecular weight.
- What happens when DNA grown in N15 for several generations is grown in N14 for one generation in terms of the number of bands?



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- What do *Aspergillus niger*, *Lactobacillus*, *Acetobacter*, *Saccharomyces*, etc., produce?
- Which of the following diseases is not zoonotic: cholera, plague, etc.?
- Match the following pathogens with their corresponding diseases: anthrax, syphilis, leprosy, whooping cough, etc.
- Which technique is used for hCG estimation in pregnancy tests?
- Which monoclonal antibody is not used for cancer treatment?
- How is blood group typing done in laboratories?

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