INICET

Question Paper



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INI CET 2022 (May)

Question Paper

Biochemistry

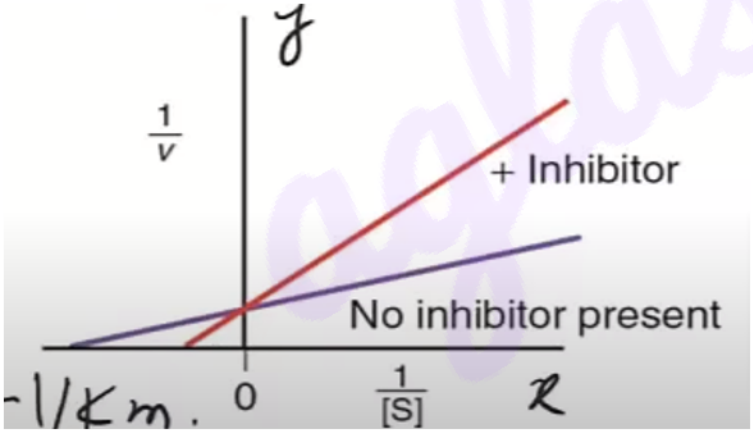
(Based on Memory Recall)

Q1. Amino acid not restricted in management of maple syrup urine disease

A) Methionine
B) Valine
C) Leucine
D) Isoleucine

Correct answer : A

Q2. Identify the type of enzyme inhibition shown below?



A) Competitive
B) Non-competitive
C) Uncompetitive
D) ?

Correct answer : A

Q3. False regarding the human genome project?

A) It was an effort of international collaboration

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B) Identified 20000 genes
C) Completed in two decades
D) Used next generation sequencing NGS/Sanger sequencing/Shotgun sequencing.

Correct answer : D

Q4. Deamination of methylcytosine generates

A) Uracil
B) Thymine
C) Guanine
D) Cytosine

Correct answer : B

Q5. Which of the following vitamin deficiencies will prevent thymine insertion in DNA?

A) Vitamin E
B) B6
C) Folate
D) B12

Correct answer : C

Q6. Dideoxy nucleotides are used in sangers technique, as

A) It doesn't allow the further elongation of DNA
B) They can be made fluorescent
C) They can be made fluorescent
D) They are better (preferred) substrate of DNA polymerase

Correct answer : A

Q7.Correct order for isolation of desired protein produced via recombinant DNA technology?

1) **Elution**
2) **SDS PAGE**
3) **CELL LYSIS**
4) **Protein expression in host cell**

A) 4, 3, 2, 1
B) 1,2,3,4
C) 3,2,1,4
D)None of the above

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Correct answer : D

Q8. Technique to study DNA protein interactions?

A) DNA fingerprinting
B) DNA footprinting
C) ELISA
D) Northern blot

Correct answer : B

Q9. Detection of Mutation with low allele frequency can be done by

A) Allele specific ?PCR
B) digital droplet PCR?
C) Sanger sequencing
D) Next generation sequencing

Correct answer : D

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