

PGCET-2024 - Molecular Biology - PRACTICE BITS-2

1. In *E. coli*, Lac permease is located in/on
A) Cell wall B) Cell membrane C) Nucleus D) Cytoplasm
2. Which of the following process is not found in prokaryotes during protein synthesis?
A) Capping B) Tailing C) Splicing D) All of these
3. The only amino acid which is coded by three codons is
A) Leucine B) Isoleucine C) Lysine D) Glycine
4. All the stop codons are started with
A) Uracil B) Uridine C) UMP D) UTP
5. Which of the following gene of Lac operon is never transcribed?
A) i B) P C) z D) y
6. Besides AUG, which codon also acts as initiation codon in prokaryotes?
A) GGG B) UGG C) GUG D) GGU
7. Which of the following are not constant for one turn of ds-DNA?
A) No of H-bonds B) No of Pentose sugars
C) No of Nucleotides D) No of Phospho ester bonds
8. Synthesis of cDNA from RNA is called as
A) Replication B) Transcription C) Translation D) Teminism
9. Which of the following element is not found in Nucleoside?
A) N B) O C) C D) P
10. Besides Methionine, which aminoacid has only one codon?
A) Tryptophan B) Tyrosine C) Threonine D) Histidine
11. Which aminoacid perform dual function during protein synthesis?
A) Methionine B) Cysteine C) Leucine D) Alanine
12. DNA ligase was first discovered by
A) HG. Khorana B) Kornberg C) Nirenberg D) Ochoa
13. Which of the following is capable of Self replication?
A) m-RNA B) r-RNA C) t-RNA D) DNA
14. RNA primer is required for
A) Transcription B) Translation C) Replication D) PCR
15. Joining of Okazaki fragments is catalyzed by
A) DNA polymerase B) Helicase C) Topoisomerase D) Ligase

Key-- 1-B, 2-D, 3-B, 4-C, 5-B, 6-C, 7-A, 8-D, 9-D, 10-A, 11-A, 12-A, 13-D 14-C 15-D