

BIO305

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1. Breakage of a chromosome can lead to four types of changes in chromosome structure; these are

--->> deletion, duplication, inversion, translocation

addition, duplication, inversion, translocation

deletion, duplication, inversion, transplantation

division , duplication, inversion, translocation

2. The whole process of transcription is divided into

Pre-initiation, initiation, promoter clearance, pre-elongation and elongation

Initiation, re-initiation, promoter clearance, elongation and termination

Pre-initiation, initiation, promoter clearance, elongation and evacuation

--->> Pre-initiation, initiation, promoter clearance, elongation and termination

3. One of the following options is not a base pairing in the DNA ladder

G-C

T-A

C-G

--->> U-C

4. The principal genetic information materials or molecules of living organisms are chemically called

--->> nucleic acid

nitric acid

nucleoside acid

all the options

5. One of the following is correct about translation

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Does not involve a change of code since DNA and mRNA are non complementary

Does occur in a nucleus of a cell

All the options

6. The synthesis of RNA from a DNA template occurs during the process of

Replication

Translation

--->> Transcription

all the options

7. The smallest unit within the DNA capable of being independently involved in recombination and cross over is the

cistron

--->> recon

muton

promoter

8. The DNA carries message in the form of

promoter sequence

template

--->> code

number

9. The chromosome molecule may be large linear, typical of

prokaryotic cells

viral structure

--->> eukaryotic cells

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10. The enzymes which link up the nucleotides by bonding the phosphate group of nucleotide to the sugar molecule of the adjacent nucleotide during replication is the

--->> DNA Polymerase

RNA Polymerase

Ligase

Restriction enzyme

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