

(3)

8. Give an account of the steps involved in the mechanism of mRNA translation in the form of polypeptide in prokaryotes.

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9. Write short notes on the following:

$$5 \times 2 = 10$$

- (a) Inducer and corepressor
- (b) Negative and positive control of transcription.

10. What do you mean by regulation of 'gene expression'?
Highlight regulation with the help of 'operon model'.

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