

Total No. of Questions : 4]

SEAT No. :

P536

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T.Y.B.Sc.

MICROBIOLOGY

**MB - 332 : Genetics & Molecular Biology - I
(2013 Pattern) (Semester - III) (Paper-II)**

Time : 2 Hours]

[Max. Marks : 40

Instructions to the candidates:

- 1) All questions are compulsory.*
- 2) All questions carry equal marks.*
- 3) Draw neat labelled diagrams wherever necessary.*
- 4) Figures to the right indicate full marks.*

Q1) Answer the following.

A) Match the following : [5]

- | | |
|---------------------------|-------------------------------|
| i) DNA-A protein | a) Eukaryotic mRNA |
| ii) CAAT box | b) 5'-3' exonuclease activity |
| iii) DNA pol I | c) Prepriming protein |
| iv) Introns | d) Eukaryotic promoter |
| v) Eukaryotic RNA pol III | e) tRNA synthesis |

B) Attempt the following : [5]

- i) uvr-d is a _____
 - a) Helicase
 - b) Polymerase
 - c) Primase
 - d) Endonuclease
- ii) Eukaryotic mRNA's have
 - a) 5' Cap
 - b) 3' tails
 - c) Introns
 - d) All of the above
- iii) Unusual modified bases are found in
 - a) mRNA
 - b) tRNA
 - c) rRNA
 - d) DNA

P.T.O.

Genetics Question Paper

Michael Seilmaier



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