

Total No. of Questions : 4]

SEAT No. :

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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

**Roman Wölfel**



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