

Molecular Biology

RNA Synthesis in Prokaryotes and Eukaryotes: 01

Class

M. Sc. 2nd Semester

Microbiology (CBCS)

Dr. Alka Vyas

Professor and Head

School of Studies in Microbiology

Vikram University Ujjain (M.P.)

Subject : Microbiology (CBCS)

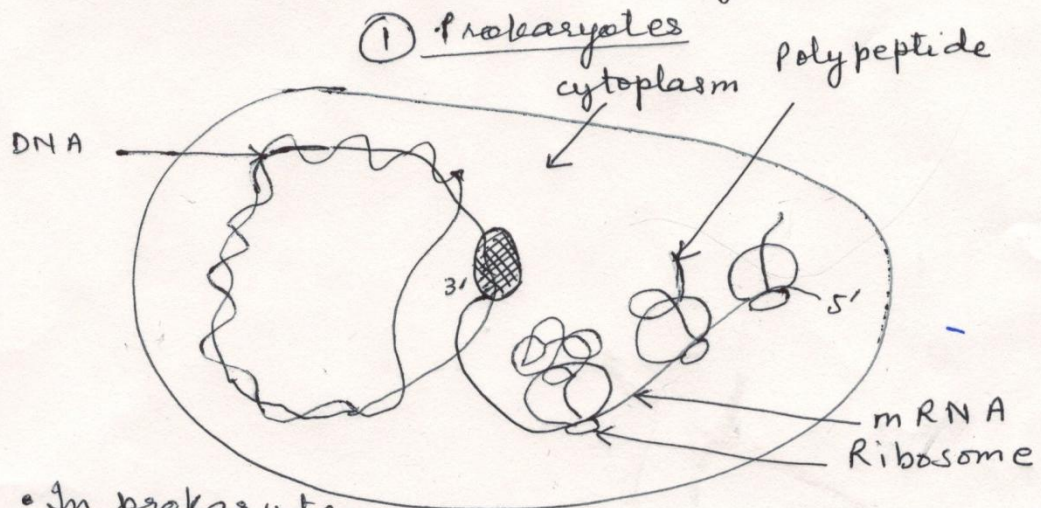
Class : M.Sc. II Sem

Paper : Molecular Biology

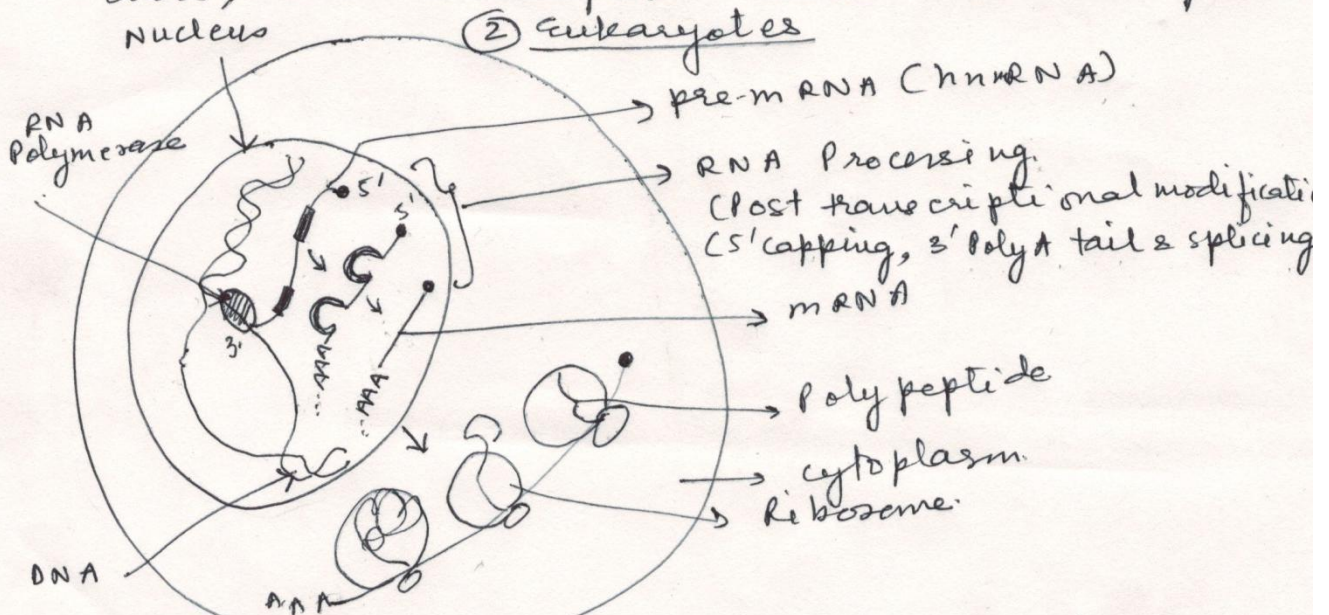
Teacher : Dr. Alka Vyas.

Lecture : 1

RNA synthesis in Prokaryotes & Eukaryotes.



- In prokaryotes mRNA synthesized by RNA polymerase is not processed before translation by ribosomes.
- As DNA is not surrounded by nuclear membrane so mRNA translation begins before transcription ends, hence transcription & translation are coupled.



- Primary transcript is pre mRNA or hnRNA. It undergoes processing. The processed mRNA is transported to cytoplasm where it is translated.