

Total no of printed pages=1

Sem-5, ZOO-HC-5016

2022
Paper: **ZOO-HC-5016**
(MOLECULAR BIOLOGY)

Full Marks- 20

Time- 1h

The figures in the margin indicate full marks for the questions.

Answer the following questions.

5×4=20

1. What is DNA replication? Describe the enzymes required for DNA replication in prokaryotes. **5**
2. Write the difference between prokaryotic and eukaryotic DNA replication. **5**
3. Explain the salient features of DNA with reference to Watson and Crick model. **5**
4. Write short note on- **2 ½ ×2= 5**
 - a. Semi-conservative nature of DNA replication.
 - b. Semi-discontinuous nature of DNA replication.

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