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**Q1. The scientists involved in discovery of DNA as chemical basis of heredity were**

1. Hershey and chase
2. Griffith and Avery
3. Avery MacLeod and McCarty
4. Watson and Crick

**Answer:3**

**Q2. One turn of DNA possesses**

1. 1 base pairs
2. 2 base pairs
3. 5 base pairs
4. 10 base pairs

**Answer:4**

**Q3. Number of codons in genetic triplet code is**

1. 4
2. 16
3. 32
4. 64

**Answer:4**

**Q4. Initiation codon for protein synthesis are**

1. UUU and GGG
2. AAU and UAA
3. AUG and GUA
4. GUG and AUG

**Answer:4**

**Q5. The process of multiplication of DNA from DNA is known as**

1. Replication
2. Duplication
3. Transcription
4. Translation

**Q6. Formation of RNA over the template of DNA is**

1. Replication

2. Duplication
3. Trans version
4. Transcription

**Answer:4**

**Q7. The area of an winding and separation of DNA strands during replication is called**

1. Origin
2. Initiation Point
3. Primer
4. Replication fork

**Answer:1**

**Q8. Topoisomerase is involved in**

1. Producing RNA primers
2. Joining of DNA segment
3. Producing Nick in DNA
4. Separation of DNA strands

**Answer:3**

**Q9. In DNA replication the primer is**

1. Small deoxyribonucleotide polymer
2. Small ribonucleotide polymer
3. Helixdestabilising protein
4. Enzyme taking part in joining nucleotides to their complementary template bases

**Answer:2**

**Q10. DNA strand is synthesized in the direction**

1. 5'-3'
2. 3'-5'
3. 1'-4'
4. 6'-1'

**Answer:1**