

## Biology FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Adenine and guanine are called	A. Purines B. Pyrimidines C. Both a & b D. None of these
2	A central role for chromosomes in heredity was first suggested in 1900 by.	A. Karl correns B. W. Sutton C. F. Griffiths D. T.H.Morgan
3	Which of the following polymerase synthesize tRNA.	A. RNA Polymerase -I B. RNA Polymerase -III C. RNA Polymerase -II D. DNA Polymerase
4	Each Okazaki fragment is synthesized by.	A. RNA Polymerase B. DNA polymerase C. DNA polymerase I D. DNA polymerase III
5	The base pairs in human genome are.	A. Two billion B. Three billion C. Four billion D. Five billion
6	DNA changes are called mutations and the organisms that have undergone such changes are called	A. Wild types B. Changer C. Mutants D. Transmutants
7	Each tRNA has a sequence of three bases called anticodon which is complementary to codon of	A. rRNA B. tRNA C. mRNA D. snRNA
8	Every gene starts with initiation codon AUG which encodes for the amino acid.	A. Lysine B. Serine C. Proline D. Methionine
9	Chromosomes appear inside the nucleus at the time of.	A. Cell division B. Cell maturation C. Cell elongation D. Cell differentiation
10	The number of nucleotides in the DNA of a typical human chromosome is about	A. 10 Million B. 40 million C. 80 million D. 140 million
11	Every 200 nucleotides the DNA duplex is coiled around a core of eight histone proteins forming a complex known as a	A. Histomone B. Nucleosome C. Peroxisome D. Glyoxisome
12	Pentose sugar in the molecule of DNA is	A. Ribose B. Deoxyribose C. Sucrose D. Lactose
13	Transfer of genetic material from one cell to other that can alter the genetic make up of recipient cell is called.	A. Transcription B. Replication C. Translation D. Transformation
14	Genetic code for the amino acid methionine is.	A. AUC B. UGC C. CGC D. AUG
15	Genetic code is a combination of 3 nucleotides in DNA which specify a particular	A. Amino acid B. Fatty acid C. Vitamin D. Steriod

---

16 The stand which elongates towards the replication fork is.

A. Leading  
B. Lagging  
C. Okazaki  
D. Primer

---

17 The copying of mRNA from DNA is called.

A. Translation  
B. Transduction  
C. **Transcription**  
D. Transformation

---

18 V-shaped chromosomes are called.

A. Acrocentric  
B. **Metacentric**  
C. Telocentric  
D. submetacentric

---

19 How many million nucleotides are in DNA of typical human chromosome

A. 140  
B. 160  
C. 180  
D. 200

---

20 Origin site of replication is one in

A. **Prokaryotes**  
B. Eukaryotes  
C. None of these  
D. Both a & b

---