

## Biology FSC Part 2 Chapter 23 Online MCQ's Test

| Sr | Questions   | Answers Choice  |
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| 1  | Organisms that have had a foreign gene inserted into them are called.   | A. Transgenic organisms<br>B. Polygenesis<br>C. Hermaphrodites<br>D. Transmuted organisms |
| 2  | How many base pairs are found in the human genome.  | A. Three billion<br>B. thirty billion<br>C. Five billion<br>D. Forty billion              |
| 3  | Person with Huntington's disease have a unique site where a restriction enzyme cuts.                                      | A. RNA<br>B. DNA<br>C. Lipids<br>D. Proteins  |
| 4  | DNA Finger prints can be separated from.  | A. Plasma<br>B. Lymph<br>C. Blood<br>D. Serum   |
| 5  | To genome fragment can be separated according to their lengths during .   | A. Gel electrophoresis<br>B. PCR<br>C. Cloning<br>D. Gene therapy                         |
| 6  | Cases of disputed parenthood can be solved with the help of   | A. DNA Finger printing<br>B. Cloning<br>C. RNA Finger printing<br>D. Gene sequencing      |
| 7  | Primer for PCR contains about.  | A. 5 bases<br>B. 10-20 bases<br>C. 30 bases<br>D. 40 bases                                |
| 8  | A probe is a single stranded nucleotide sequence that will hybridize in to certain piece of.                              | A. Amino acids<br>B. DNA<br>C. Carbohydrate<br>D. RNA                                     |
| 9  | PCR takes its name from _____ the enzyme that carries out DNA replication in a cell.                                      | A. DNA Polymerase<br>B. DNA Ligase<br>C. DNA Polymerase II<br>D. Restriction enzymes      |
| 10 | A full set of genes of an individual is called.   | A. Genome<br>B. Genotype<br>C. Karyotype<br>D. Dominance                                  |
| 11 | The polymerase chain reaction was developed in 1983 by  | A. Kary B. Mullis<br>B. Gottlieb Haberlandt<br>C. Theodore M. Klein<br>D. Craig venter    |
| 12 | Karyb. Mullis developed the polymerase chain reaction in.   | A. 1963<br>B. 1973<br>C. 1983<br>D. 1993  |
| 13 | Taqpolymerase are enzyme present in.  | A. Fungi<br>B. Bacteria<br>C. Algae<br>D. Virus   |
| 14 | A collection of bacterial and phage viruses clones containing a particular segment of DNA from the source cell is called. | A. Expressing system<br>B. Genome<br>C. Genomic library<br>D. Recombinant DNA             |
| 15 | The first restriction enzyme was isolated by  | A. Kary mulis<br>B. Hamilton O. smith<br>C. Sagar<br>D. Maxam gilbret                     |

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16 PSC 101 has antibiotic resistance gene for.

- A. Tetracycline
- B. Neomycin
- C. Ampicillin
- D. Ergotine

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17 PBR 322 has antibiotic resistant genes for.

- A. Tetracycline
  - B. Neomycin
  - C. Ampicillin
  - D. Ergotine
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