

Time: One Hour

Max. Marks: 25

Instruction:-

- Solve any 25 Question from Q1 to Q30

- Inbreeding between closely related organism.....
(A)Increases variation (B)Reduces variation (C)Increases sterility (D)All of the above
- Which of the following is sex linked disease....
(A)Baldness (B)Colour blindness (C)Night blindness (D)Far sightedness
- XO human sex anomaly is resultant of.....
(A)Klinefelter's syndrome (B)Down's syndrome (C)Turner's syndrome (D)None of the above
- The term 'gene' refers to.....
(A)Sequence of amino acids in protein (B)A linkage group (C)A part of RNA (D)A portion of DNA
- Name the bacteria which were used by Griffith for his experiments..
(A)E.coli (B)Diplococcus pneumoniae (C)Lactobacillus (D)Salmonella typhi
- Number of autosome in human sperm is.....
(A)11 (B)22 (C)44 (D)45
- Statistical study of human population is known as.....
(A)Ecology (B)Physiology (C)Biogeography (D)Demography
- Anticodon on t RNA pairs with
(A)t RNA (B)mRNA (C)Other t RNA molecules (D)DNA
- Phenylketonuria is a human disease, a person affected by the disease suffers From.....
(A)Kidney failure (B)Liver failure (C)Mental idiocy (D)Sexual infertility
- Natality refers to.....
(A)Birth rate (B)Death rate (C)Population rate (D)Density
- Patient with klinefelter's syndrome has chromosomes
(A)45 (B)48 (C)47 (D)42
- Haemophilia is an example oflinked inheritance
(A)Y (B)X (C)O (D)XY
- In man albinism is due to the non synthesis of melanin in the absence of
(A)Luciferin (B)Lysine (C)Melanase (D)Tyrosinase
- The sum total of genes in a population is known as.....
(A)Gene bank (B)Gene linkage (C)Gene pool (D)Genome
- The process of mRNA synthesis in DNA template is known as.....
(A)Transcription (B)Translation (C)Transduction (D)Transformation
- The exact point where nucleotides are being added to growing daughter Strand during DNA replication are called....
(A)The oirigin (B)The double helix (C)The template (D)The replication fork
- Which of the following is a stop codon.....
(A)AUG (B)GUG (C)UAA (D)GGU
- In Vitro replication of DNA is called.....
(A)Polymerisation reaction (B)Polymerase chain reaction (C)DNA fragmentation (D)Southern blotting
- What is the process of introducing vector into the target bacterial cell known as.....
(A)Transposition (B)Transduction (C)Transformation (D)Transfection
- Population size increases by.....
(A)Natality (B)Immigration (C)Emigration (D)Both a & b
- Non sex chromosome are.....
(A)Heterosome (B)Autosome (C)Allosomes (D)Cytosomes
- First licensed drug produced by genetic engineering is.....
(A)Interferon (B)Insulin (C)Penicillin (D)Somatotropin
- Red blindness is called.....
(A)Night blindness (B)Protonopia (C)Deuteronopia (D)Albinism
- Which group of enzymes are popularly called as ' Molecular Stickers'.....
(A)Restriction endonuclease (B)Ligases (C)RNA polymerase (D)DNA polymerase
- Mongolian syndrome is caused by
(A)Extra chromosome (B)Extra autosome (C)Extra chromosome in 21st autosomal pair (D)Gene mutation
- Which of the following is a genetic disease.....

- (A)Blindness (B)Phenylketonuria (C)Cataract (D)Leprosy
- 27 A man who carries a sex linked gene on his Y chromosome will transmit this gene to.....
- (A)Half of his sons (B)Half of his daughters (C)All his sons (D)All his daughters
- 28 Genetic engineering means....
- (A)Manipulation of genes (B)Manipulation of cell content (C)Manipulation of Macula adherans (D)Formation of test tube baby
- 29 The genetic code was discovered by.....
- (A)G. Gamow (B)H.G. Khurana (C)Watson and Crick (D)M. Nirenberg
- 30 An abnormal gene is replaced by normal gene, it is called.....
- (A)Gene therapy (B)Cloning (C)Mutation (D)None of the above.