

Biology FSC Part 2 Chapter 23 Online MCQ's Test

Sr	Questions	Answers Choice
1	A callus is an undifferentiated group of	A. Cells B. Tissues C. Organs D. Systems
2	A full set of genes of an individual is called	A. Genotype B. Genomic library C. Genome D. Allelomorph
3	A probe is a single stranded nucleotide sequence that will hybridize (pair) into a certain piece of	A. DNA B. RNA C. Amino acid D. Fatty acid
4	The means by which recombinant DNA is introduced into a host cell is called	A. Plasmid B. Carrier C. Vector D. Lifter
5	Adult transgenic tobacco plants glowed when sprayed with the substrate	A. Luciferon B. Luciferin C. Luciferol D. Luciferase
6	Commonly enzyme thermus aquaticus is also known as	A. Taq polymerase B. DNA polymerase C. RNA polymerase D. Taq ligase
7	Cystic fibrosis patients lack a gene that codes for trans-membrane carrier of the	A. Chloride ion B. Sodium ion C. Potassium ion D. Calcium ion
8	DNA finger prints can also be used as	A. Crime evidence B. Forensic evidence C. Litigation evidence D. Offence evidence
9	Commonly used restriction enzyme is	A. Ecor4 B. Eco R3 C. EcoR2 D. EcoR1
10	Genes that code for therapeutic and diagnostic proteins are incorporated into the animal's DNA and the proteins appear in the animal's	A. Urine B. Blood C. Sweat D. Milk
11	In 1970 Hamilton D.Smith at Johns Hopkins University isolated the first	A. DNA polymerase B. DNA ligase C. Diastase D. Restriction enzyme
12	German botanist Gottlieb Haberlandt said in 1902 that plant cells are	A. Totipotent B. Potent C. Totipersausive D. Totistrong
13	In 1999, transgenic crops were planted world wide on more than	A. 20 millions areas B. 35 millions areas C. 70 millions areas D. 90 millions areas
14	DNA threads are chemically cut into pieces of different sizes in	A. Maxam-Gilbert method B. Sanger's method C. Smith's method D. Sanford's method
15	It is estimated that human genome could take an encyclopaedia of 200 volumes each with	A. 10 pages B. 100 pages C. 1000 pages D. 10,000 pages

16	PCR takes its name from	A. RNA polymerase B. DNA polymerase C. DNA ligase D. Endonuclease
17	An enzyme that can be used to treat a human lysosome storage disease is	A. B-galactosidase B. a-galactosidase C. Glucosidase D. Invertase
18	Bolld group B phenotype contains anti-A antiboides in the serum and agglutinates any RBC with antigen:	A. AB B. O C. A D. B
19	Chances for a son or daughter in human birth are:	A. 3:1 between son and daughter B. 1:3 between son and daughter C. 1:1 between son and daughter D. None of them
20	The number of linkage group in man is:	A. 02 B. 23 C. 46 D. 92
21	A man bolld group A marries a women of blood goroup B and they have one child. Which one of the following statements abo ut the child's blood is correct?	A. It could be group A only B. It could be group AB only C. It could be group A or Group B only D. It could be any of the groups A,B,AB, O
22	How many different kinds of the gametes will be formed by an ndividual , who is hetrozygous for four gene pairs:	A. 8 B. 16 C. 20 D. 30
23	Awoman with normal colour vision, whose father was red-green colour blind, married a red-green colour-blind man. What is the probability of her first-born child being red-green colour blind?	A. 1.0 B. 0.75 C. 0.50 D. 0.025
24	Two parents, each of blood groups A, have a daughter of blood group O. what is the probability that their next child who has blood gorup O?	A. 0.125 B. 0.25 C. 0.50 D. 0.75
25	What are the penotypes of the parent of a colour-blind son and non-carries daughter with normal colour vision?	A. FATHER MOTHER</div><div>Carrier Normal</div></div> B. FATHER MOTHER</div><div>Colour blind Carrier</div></div> C. FATHER MOTHER</div><div>Normal Carrier</div></div> D. FATHER MOTHER</div><div>Normal Colour- blind</div></div>
26	When expression of a biological character is observed in variable intensity, it is due to the effect of:	A. Multiple alleles B. Codominance C. Epitasis D. Polygenic inheritance
27	Inheritance of skin colour in man is controlled by eight pairs of genes , which are:	A. Linked B. Codominent C. Multiple alleles D. Assorting independently
28	Which enzyme acts as molecular scissors.	A. DNA ligase B. DNA polymerase C. RNA polymerase D. Restriction endonuclease
29	The enzyme which joins the two pieces of DNA is	A. DNA polymerase -I B. DNA ligase C. Restriction endonuclease D. DNA polymerase -II
30	The two different places of DNA joined together is called as.	A. Dimeric DNA B. Chimeric DNA C. Trimeric DNA D. Tetrameric DNA
31	Eco. R is a commonly used	A. Gene B. Restriction enzyme C. Bacteria D. Bacteriophage
32	-----	A. Tetracycline B. Neomycin

32	PBR 322 has antibiotic resistant genes for.	B. Neomycin C. Ampicillin D. Ergotine
33	PSC 101 has antibiotic resistance gene for.	A. Tetracycline B. Neomycin C. Ampicillin D. Ergotine
34	The first restriction enzyme was isolated by	A. Kary mulis B. Hamilton O. smith C. Sagar D. Maxam gilbret
35	A collection of bacterial and phage viruses clones containing a particular segment of DNA from the source cell is called.	A. Expressing system B. Genome C. Genomic library D. Recombinant DNA
36	Taqpolymerase are enzyme present in.	A. Fungi B. Bacteria C. Algae D. Virus
37	Karyb. Mullis developed the polymerase chain reaction in.	A. 1963 B. 1973 C. 1983 D. 1993
38	The polymerase chain reaction was developed in 1983 by	A. Kary B. Mullis B. Gottlieb Haberiandt C. Theodore M. Klein D. Craig venter
39	A full set of genes of an individual is called.	A. Genome B. Genotype C. Karyotype D. Dominance
40	PCR takes its name from _____ the enzyme that carries out DNA replication in a cell.	A. DNA Polymerase B. DNA Ligase C. DNA Polymerase II D. Restriction enzymes
41	A probe is a single stranded nucleotide sequence that will hybridize in to certain piece of.	A. Amino acids B. DNA C. Carbohydrate D. RNA
42	Primer for PCR contains about.	A. 5 bases B. 10-20 bases C. 30 bases D. 40 bases
43	Cases of disputed parenthood can be solved with the help of	A. DNA Finger printing B. Cloning C. RNA Finger printing D. Gene sequencing
44	To genome fragment can be separated according to their lengths during .	A. Gel electrophoresis B. PCR C. Cloning D. Gene therapy
45	DNA Finger prints can be separated from.	A. Plasma B. Lymph C. Blood D. Serum
46	Person with Huntington's disease have a unique site where a restriction enzyme cuts.	A. RNA B. DNA C. Lipds D. Proteins
47	How many base pairs are found in the human gamine.	A. Three billion B. thirty billion C. Five billion D. Forty billion
48	Organisms that have had a foreign gene inserted into them are called.	A. Transgenic organisms B. Polygenesis C. Hermaphrodites D. Transmuted organisms
49	Anti thrombin III is a biotechnological produce produces in.	A. sheep B. Goat C. Mice D. Cow

50	Urine is preferable vehicle for a biotechnology product than.	A. Plasma B. Blood C. Milk D. Tissue fluid
51	Poly hydroxy butyrate is called.	A. Antithrombin III B. Nutra Sweet C. Biodegradable plastic D. Luciferin
52	Which is not a biotechnology product.	A. Hepatitis B B. Tissue plasminogen activator C. Human growth hormone D. Hemophilia factor I
53	Transgenic bacteria are produced in large vats called.	A. Transducer B. Bioreactor C. Biomultiplier D. Culter media
54	Cystic fibrosis patients lack a gene that codes for trans membrane carrier of.	A. Chloride ion B. Calcium ion C. Sodium ion D. Magnesium ion
55	Patient of cystic fibrosis often die due to numerous infections of.	A. Digestive tract B. Excretory tract C. Respiratory tract D. Reproductive tract
56	The children with "SCID" lack an enzyme.	A. a galactosidase B. Phenylalanine hydroxylase C. Adenosine deaminase D. Succinic dehydrogenase
57	The organisms used a biofilters is.	A. Transgenic plant B. Transgenic bacteria C. Transgenic animal D. Transgenic virus
58	In 1958, F.C. steward grew a complete carrot plant from tiny piece of.	A. Pith B. Cortex C. Xylem D. Phloem
59	Growth of tissue in an artificial liquid culture medium is termed as.	A. cloning B. Genetic engineering C. Tissue culture D. Gene therapy
60	Meristem is.	A. Fungi free B. Virus free C. Bacteria free D. Pathogen free
61	An antibody made by soybeans can be used as treatment for	A. AIDS B. Herpes simple C. Genital Herpes D. Hepatitis c
62	The enzyme luciferase is produced by an insect commonly known as the.	A. House fly B. Butter fly C. Caddis fly D. Fire fly
63	A weed called mouse eared cress is engineering produce a biodegradable plastic called.	A. Luciferin B. Digitoxin C. Polyhydroxy butyrate D. Pheylalanine
64	Antibody used for the treatment of genital herpes is obtained from	A. Corn B. Soya bean C. Rice D. Wheat
65	Adult transgenic tobacco plants glowed when sprayed with the substrate.	A. Luciferin B. Myoglobin C. Hemoglobin D. Methionine