

Introduction of foreign gens for improving genotype is called:

Q.1

Daily Practice Problems

NEET BIOLOGY

Topic: Biotechnology and its applications

	(a) Vernalization	(b) Tissue Culture
	(c) Biotechnology	(d) Genetic Engineering
0.1	In constituenting maning managembines	at DNA manna
Q.2	In genetic engineering, recombinate	it DIVA means
	(a) DNA with piece of RNA	
	(b) DNA with a piece of foreign l	DNA
	(c) DNA which takes part in reco	mbination
	(d) DNA not act as biological rec	ombination
Q.3	Which enzyme act as biological sc	issors in genetic engineering?
	(a) Ligases	(b) Nucleases
	(c) Polymerases	(d) Restriction endonucleases
Q.4	A restriction enzyme Eco RI from	E.coil cleave DNA at following seouence
	(a) GAATTC	(b) AAGTTC
	(c) AAGCTT	(d) GATACT
Q.5	Which of the following organelle i	s related to genetic engineering ?
	(a) Plasmids	(b) Plastids
	(c) Mutations	(d) Nucleoid
0.6	What does Bt stand for the popular	r gran of Dt. gotton 2
Q.6		
	(a) Best	(b) Best type
	(c) Biotechnology	(d) Bacillus thuringiensis
Q. 7	In genetic engineering experiment,	DNA fragments are joined by
	(a) Gyrase	(b) Helicase
	(c) Ligase	(d) Polymerase

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Q.8	Plasmids are extra chromosomal genetic material of						
	(a) Bacteria	(b) Virus					
	(c) Algae	(d) Yeast					
Q.9	PCR is useful in						
	(a) DNA synthesis	(b) DNA amplification					
	(c) Protein system	(d) Amino acid synthesis					
Q.10	Gel electrophoresis is used for						
	(a) Construction of rDNA by joining	with cloning vectors					
	(b) Isolation of DNA molecules						
	(c) Cutting of DNA into fragments						
	(d) Separation of DNA fragments acc	cording to their size					
Q.11	Bacterium commonly used in plant gen						
	(a) Agrobacterium	(b) Corynebacterium					
	(c) Bacillus subtilis	(d) Salmonella typhii					
Q.12	Who discovered rDNA technology?						
	(a) James D. Watons						
	(b) Har Gobind Khorana						
	(c) Water Sutton and Oswald Avery						
	(d) Stanly coben and Herbert Boyer						
Q.13	The first plasmid used for recombinant	DNA technology is obtained from					
	(a) E. Coil	(b) Bacillus thurinegenesis					
	(c) Salmonella typhimurium	(d) Thermus aquaticus					
Q.14	Which was the first restriction endonul	ease?					
	(a) Eco RI	(b) Hindi II					
	(c) Bam HI	(d) EcoR II					
Q.15	In gel electrophoresis technique, DNA	fragments under an electric field move towards					
	(a) Anode end	(b) Cathode end					
	(c) To both ends	(d) Neither ends					

Q.16	The stain used for visualising DNA fragments in gel electrophoresis is						
	(a) Ethidium chloride	(b) Ethidium fluoride					
	(c) Ethidium bromide	(d) Gram Stain					
Q.17	The colour of DNA fragments a	after using ethidium bromide stain in gel electrophoresis is.					
	(a) Light yellow	(b) Dark green					
	(c) Bright orange	(d) Bright red					
Q.18	The process of removal of separated bands of DNA from agarose gel is called						
	(a) Elution	(b) Dilution					
	(c) Egestion	(d) Digestion					
Q.19	Which of following feature is re	equired to facilitate cloning into a vector?					
	(a) Origin of replication	(b) Selectable marker					
	(c) Cloning sites	(d) All of these					
Q.20	The enzyme required for PCR i	s					
	(a) Endonuclease	(b) Ribonuclease					
	(c) Taq polymerase	(d) RNA polymerase					
Q.21	Restriction enzymes belong to	which class of enzymes					
	(a) Lipases	(b) Proteases					
	(c) Nucleoses	(d) Amylases					
Q.22	The most suitable for introducing	ng alien DNA into plant cell is					
	(a) Miroinjection	(b) Biolistic or gene gun method					
	(c) Electroporation	(d) All of these					
Q.23	In highisting or gong gun mothe	d. DNA is coated around the microparticles of					
Q.23	(a) Silver	(b) Gold					
	(c) Tungsten	(d) Both (a) and (b)					
	(c) Tungsten	(d) Bolli (a) and (b)					
Q.24	In animal cell the foreign gene	is inserted by					
	(a) Electroporation	(b) Gene gun method					
	(c) Microinjection	(d) Chemical method					

Q.23	To isolate DNA from a pla	iit ceii wiiicii eiizyiile is use	u ioi bieaking co
	(a) Lysozyme	(b) Cellulase	
	(c) Chitinase	(d) Protease	
Q.26	Indentify the plasmid		
	(a) Eco RI	(b) Hind II	
	(c) Bam HI	(d) pBR 322	
Q.27	The first letter of any restr	ction endonuclase enzyme	represents
	(a) Genus	(b) Species	
	(c) Strains	(d) Order	
Q.28	The term 'Ori' in case vect	ors stands for	
	(a) Origin of life	(b) Original	
	(c) Origin of replication	(d) Origin of	transcription
Q.29	The selectable markers gui	ns in vectors are mostly	
	(a) Antibody resistance ge	nes (b) Antigen re	esistance genes
	(c) Antibiotic resistance g	enes (d) All of thes	se
Q.30	PCR stands for		
	(a) Polymerase chain Read	etion	
	(b) Poltically correct Rese	arh	
	(c) Polygraphed criminal	Rating	
	(d) polyploidy Chromoso	me Restriction	

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	d	b	d	а	а	d	С	a	b	d
Que.	11	12	13	14	15	16	17	18	19	20
Ans.	а	d	d	b	а	С	С	a	d	С
Que.	21	22	23	24	25	26	27	28	29	30
Ans.	С	b	d	С	b	d	а	С	С	а