DOMOCKTEST

MHT-CET Practice Question Paper

Subject: Biology

Time: 25 minutes Test no : 01 Marks : 100

All the questions are compulsory and contain two marks for each

 2. 	Motile zoospores are particular a) Chlamydomonas c) Bacteria Which of the following shows fibrous thickenia	b)Penicillium d) Amoeba g wall layer of anther	10.	In <i>Mirabilis jalapa</i> , when red and white varieties are crossed, the hybrid obtained will be pink. a)25% b)50% c)75% d)100%		
	a) Epidermis c) Middle layer	b) Tapetum d) Endothecium	11.	Drosophila me	elanogas	miniature winged ter is crossed with its
3.	The wall of pollen tube a) Cellulose and Pectir b) Only sporopollenin c) Lignin and Pectin d) Pectin and Sporopo	· 1	wild type, it produces following percen of recombinants. a)1.3% b)37.2% c)62.8% d)98.7% 12. In Griffith's experiment, the conversion			
4.	Which of the following angiosperms shows fil a) Antipodals c) Egg	g in embryo sac of	12.	R-type to S-ty	pe of <i>Stre</i> vhen mix	
5.	Asexual reproduction gemmule occurs in a) Ascidian c) Planaria	through formation of b) Hydra d) Spongilla	13.	In one nucleos following histo a) H4	some, whone mole b) H3	•
6.	Each testicular lobule convoluted seminifero a)1 to 4 c)8 to 10		c) H2 d) H1 14. The two strands of DNA are a) Similar and Parallel b) Complementary and parallel			
7.	Pick the ODD homologous pair out. a) Bartholin's gland - Cowper's gland b) Clitoris - Penis c) Mons pubis - Glans penis d) Labia majora - Scrotum During ovulation, the ovary releases a) Oogonia b) Ootid		15	c) Complement d) Similar and	disconti	nuous
				a) marine and heterotrophic b) terrestrial and autotrophic c) marine and autotrophic		
8.				c) marine and autotrophicd) terrestrial and heterotrophic. Darwin's theory of Evolution cannot expl		
9.	c) Primary oocyte Which of the following recessive progeny in F a) TT x tt c) tt x tt	•	a) Arrival of fittest b) Natural selection c) Prodigality of production d) Struggle for existence			ction

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17.	The water present in t small non-colloidal soi water. a) ground c) capillary	•		nerves a) 30 pairs c) 32 pairs In mechanism of horm	b) 31 pairs d) 33 pairs	
18.	3. The adsorption of water by hydrophilic compounds like cellulose and pectin in root hair cell wall is called			the following is NOT a a) Cyclic AMP c) Ca ⁺⁺	second messenger? b) IP ₃ d)Mg ⁺⁺	
	a) diffusionc) guttation	b) imbibitiond) osmosis	28.	The co-ordinator Nerv endocrine system is	ous and between	
19.	. Select and appropriate plant hormone responsible for epical dominance from the following.		29.	a) Thalamusb) Hypothalamusc) Epithalamusd) Colliculus The immunity developed by a child after		
	a) Auxinsc) Gibberellins	b) Ethylene d) Cytokinins		attack of measles is immunity a) natural acquired active		
20.	What is the site of perophotoperiod necessary flowering in plants?	for induction of		b) artificial acquired acc) natural acquired pad) artificial acquired pa	ssive	
	a) Shoot apexc) Lateral buds	b) Leaves d) Pulvinus	30.	The malignant tertian a) Plasmodium vivax	malaria is caused by	
21.	Adam's apple is also ca a) vestibule c) osteon	b) pharynx d) larynx		b) Plasmodium falcipac) Plasmodium ovaled) Plasmodium malaria		
22.	2. Carbon monoxide combines with haemoglobin to form a) Carbaminohaemoglobin b) Carbonic acid c) Carboxyhaemoglobin d) Cytochrome oxidas		31.	During hybridization offsprings with hybrid vigour superior to both parents are self pollinated for few successive generations to a) retain their parental characters b) remove their parental characters c) get homozygosity		
23.	In which one of the fol organs. the old and wo destroyed? a) Red bone marrow	orn out RBC's are b) Liver	32.	d) segregate character To induce formation o is necessary to provide a) growth hormones c) soil	f organs in a callus, it	
24.	c) Lymph nodeMitral valve and tricus attached to the papillaa) Corpus callosum		33.	Which of the following SCP? a) Candida	-	
	c) Crura cerebri	d) Chordae tendinae		c) Chlorella	d) Saccharomyces	
25.	. Temporal lobe of cerebrum is concerned with the detection of following sensations EXCEPT.		34.	The enzyme Taq polymerase used in PCR technique is obtained from a) Salmonella typhimurium		
	a) Hearing c) Smell	b) Pressure d) Taste		b) Thermus aquaticusc) Rhizobium phaseolid) Bacillus thuringiensis		

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	A chimeric DNA is a) r-DNA b) replicating DNA c) phage DNA d)complementary DNA The clot formation can be prevented by treatment with in gene therapy a) DNase b) Recombinant vaccine c) TPA d) TGF-B	45.	Which one of the followatural pollutants? a) dusts, pollen and cab) pollen, dusts from dhydrocarbons from vego; smog, fog and dust d) pollen fibres and sul	rbon monoxide esert and getation	
	Biopatent is granted for biological entities byauthority of a country. a) government b) educational institute c) scientist d) business In India, research in genetic modification of organisms of and safety issues are controlled by a) DBT b) IARI c) CSIR d) GEAC		female gametophytic gangiosperms? a) Megaspore mother b) Microspore mother c) Functional megaspo d) Egg cell	mother cell mother cell	
39.	A desirable change in genotype of an organism is obtained by a) DNA replication b) protein synthesis c) rDNA technology d) m-RNA formation	48.	48. In higher unisexual animals, one pair of chromosomes is not identical in two sexes. It is called as a) Non homologous chromosomes b) Homologous chromosomes c) Autosomes d) Sex chromosomes 49. Segment of DNA which is responsible for inheritance and expression of a particular character is known as a) recon b) muton		
40.	Density of population increases when a) Emigration increases b) Immigration decreases c) Mortality increases d) Natality increases	49.			
41.	A cuckoo laying eggs in the nest of other species of birds, is an example of a) Adelphoparasitism b) Brood parasitism c) Ectoparasitism d) Hyperparasitism	50.	c) intron In the second trimeste is decline in the level o a) ACTH	d) cistron er of pregnancy, there	
42.	The spatial pattern of density and distribution of species along a horizontal gradient is called as a) Stratification b) zonation c) trophic niche d) volume niche		c) hCG	d) MSH	
43.	The simplest of all nutrient cycles operating in an ecosystem is cycle. a) carbon b) phosphorous c) nitrogen d) sulphur				
44.	A Red list of endangered species is maintained by a) CSIR b) IUCN c) NEERI d) WLS				