

Subject : BIOLOGY DPP No. : 7 Class: XIIth Date:

	6 -	0.	t It's Application			
1.	Agarose extracted from a) Tissue culture	sea weeds finds use in b) PCR	c) Gel electrophoresis	d) Spectrophotometry		
2.	The inherent capacity of a) Ontogeny	a cell to regenerate a new b) Totipotency	whole organism is called c) Phylogeny	d) Proliferation		
3.	Axenic culture is a) Pure culture of a micr c) Culture of tissue	robe without any nutrient	b) Pure culture without any contamination d) Culture of gene			
4.	Golden rice is a transger a) β-carotene (pro-vitan c) γ-carotene (pro-vitan		tains good quantities of b) α-carotene (pro-vitamin-A) d) All of the above			
5.		luable plant material likely in <mark>viabl</mark> e condition is know b) Gene library	to become irretrievably lost in the wild or in n as c) Gene bank d) Herbarium			
6.	Which of the following technique is based on the principle of antigen-antibody interaction? a) PCR b) ELISA c) Recombinant DNA technology d) Gene therapy					
7.	Basmati is unique for its aroma and flavour, whose A varieties are cultivated in B Here A and B refers to					
	a) A-27; B-America	b) A-30; B-America	c) A-27; B-India	d) A-30; B-India		
8.	Which one of the following a) <i>Bacillus coagulans</i> c) <i>Clostridium septicum</i>		nsive use in genetic engineering work in plants? b) <i>Xanthomonas citri</i> d) <i>Agrobacterium tumefaciens</i>			
9.	Through which method a) Spraying ethephon	more number of female pla b) Genetic engineering	nnts can be produced in pap c) Polyploidy breeding	aya? d) Tissue culture		

10.	0. Which one of the following gene is defective in patients suffering from Severe Combined Immunodeficiency Disease (SCID)?						
	a) Adenosine deaminase		b) Glutamate dehydrogenase				
	c) DNAase		d) Tyrosine oxidase				
11.	A transgenic food crop, w	hich may help in solving th	e problem of night blindne	ess in developing countries			
	a) Flavr savr tomatoes	b) Starlink maize	c) <i>Bt soybean</i>	d) Golden rice			
12.	Blood stains are found at the site of a murder. If DNA profiling technique is to be used for identifying the criminal, which of the following is ideal for use?						
	a) Serum	b) Erythrocytes	c) Leucocytes	d) Platelets			
13.	3. A probe which is a molecule used to locate specific sequences in a mixture of DNA or RNA molecule be						
	a) A single-stranded RNA						
	b) A single-stranded DNAc) Either RNA or DNAd) Can be ssDNA but not ssRNA						
	u) can be SSDNA but not s	SSKNA					
14.	Which of the following pa	i <mark>rs are</mark> correc <mark>tly m</mark> atched?					
	= =	odon	b) Okazaki fragments – F	RNA primer			
	c) RNA polymerase - R	RNA primer	d) Restriction enzyme – (Genetic engineering			
45	TATILLI CAL CILL		C CC : DNA:	1 2			
15.	a) <i>Trichoderma harzianu</i>		nsfer of foreign DNA into crop plants?				
	c) Agrobacterium tumefaciens		b) <i>Meloidogyne incognita</i> d) <i>Penicillium expansum</i>				
	aj i cinemum expansum						
16.	Production of value added products like nutrition supplements, pharmaceuticals, fuels, etc., using transgenic crop is called						
	a) Genetic farming	b) Molecular farming	c) Biotech farming	d) All of these			
17.	7. Multicellular organisms that carries a specific genetic change in each cell because of an intervention a						
	fertilized egg stage is a						
	a) Transversion	b) Transition	c) Transgenic	d) Transformant			
18.	Polyethylene glycol method is used for						
	a) Gene transfer without a vector		b) Biodiesel production				
	c) Seedless fruit production		d) Energy production from sewage				
10	The site of the production of ADA in the body is						
19.	a) Bone marrow	b) Lymphocytes	c) Blood plasma	d) Monocytes			
	aj bone marrow	b) Lymphocytes	cj blood plasilia	aj Monocytes			

- 20. First genetically modified plants commercially released in India is
 - a) Golden rice

b) Slow ripening tomato

c) *Bt* brinjal

d) Bt cotton

