60114			
ROLL No.	T		Τ

TEST BOOKLET No.

241

### TEST FOR POST GRADUATE PROGRAMMES

#### **BIOTECHNOLOGY**

Time: 2 Hours

Maximum Marks: 450

#### INSTRUCTIONS TO CANDIDATES

- You are provided with a Test Booklet and an Optical Mark Reader (OMR) Answer Sheet to mark your responses. Do not soil the Answer Sheet. Read carefully all the instructions given on the Answer Sheet.
- 2. Write your Roll Number in the space provided on the top of this page.
- 3. Also write your Roll Number, Test Code, and Test Subject in the columns provided for the same on the Answer Sheet. Darken the appropriate bubbles with a Ball Point Pen.
- 4. The paper consists of 150 objective type questions. All questions carry equal marks.
- 5. Each question has four alternative responses marked A, B, C and D and you have to darken the bubble fully by a Ball Point Pen corresponding to the correct response as indicated in the example shown on the Answer Sheet.
- 6. Each correct answer carries 3 marks and each wrong answer carries 1 minus mark.
- 7. Space for rough work is provided at the end of this Test Booklet.
- 8. You should return the Answer Sheet to the Invigilator before you leave the examination hall. However, you can retain the Test Booklet.
- 9. Every precaution has been taken to avoid errors in the Test Booklet. In the event of any such unforeseen happenings, the same may be brought to the notice of the Observer/Chief Superintendent in writing. Suitable remedial measures will be taken at the time of evaluation, if necessary.

## BIOTECHNOLOGY

1.	Proteins having equal positive and negative charges are called				
	(A) (C)			(B) (D)	Cation Zwitterion
2.	Which ninhyd	of the following rin?	amino	acid	gives yellow colour with
•	(A) (C)			(B) (D)	
3.	The ch	olesterol associated wi isease is called	ith the r	isk of	atherosclerosis and coronary
		LDL VLDL		(B) (D)	HDL IDL
4.	The no	rmal range for prothro	mbin ti	me is	
		10-14 sec 8-12 sec			14-18 sec 4-14 sec
5.	The and called	tigen presenting cells	have or	n thei	r surface a special molecule
	(A) (C)	MHC Class molecule CD4 cells	9	(B) (D)	Cytokines CD8 cells
6.	Which	of the following is an a	autoimn	nune o	disorder?
•	(A) (C)	Rheumatoid arthritis Dengue fever		(B) (D)	AIDS Sickle cell anemia
7.	A Hybr	idoma cell secretes			•
	(A) (C)	Antibody Cytokine		(B) (D)	Antigen Plantibody
			•		

8.	Hypers	ensitivity reaction is mediate	ed by		
	(A)	IgM	(B)	IgE	
	(C)	_	(D)	IgA	
9.	A tissu differen	e transplantation between at species is called	two in	dividuals belonging to	tw
	(A)	allograft	(B)	autograft	
	(C)	xenograft		isograft	
10.	Which	one of the following is high	energy	currency of the cell?	
	(A)	ATP	(B)	GTP	
2.4	(C)		(D)	Cyclic AMP	
11.	Which	of the following is called 'T	he Bool	k of Life'?	
	(A)	Arabidopsis genome	(B)	Human genome	
	(C)			Mitochondrial genome	
12.	Phosph	o-diester bond is commonly	observ	ed in	
	(A)	Proteins	(B)	Lipids	
	(C)	Carbohydrates	(D)	~	
13.	Light a	ctivation of enzymes is com	monly o	observed in	
	(A)	Mitochondrion	(B)	Chloroplast	
	(C)	Peroxisome	(D)	Glyoxisome	
14.	Amitos	is is of common occurrence	in		
	(A)	Animals	(B)	Plants	
	(C)	Bacteria	(D)	Lichen	
15.	Which	of the following is a storage	polysa	ccharide in plants?	
	(A)	Glycogen	(B)	Starch	
	(C)	Cellulose	(D)	Callose	
	e - 5				

16.	Independent, genetic elements found in bacterial cells are called				
	(A) (C)	Plasmids Proplastids	(B) (D)	Plastids Chromosomes	
17.	Progran	nmed cell death is called			
		Necrosis Lesion	(B) (D)	Apoptosis Gene knock out	
18.	Purifica	tion of atmospheric air is do	ne by		
	(A) (C)	Animals Microbes	(B) (D)	Plants Symbionts	
19.	Which	of the following is non-biode	grada	ble?	
	(A)	Fats Oil	(B) (D)	Herbicides Plastics	
20.	Virus-f	ree plants can be obtained fro	om the	e following culture	
	(A) (C)	Protoplast Meristem	(B) (D)		
21.	The hal	lf- life of Tritium is			
	(A) (C)		(B) (D)	-	
22.	Which waters's		ows 1	emarkably well in polluted	
		Ottelia sp. Vallisneria sp.	(B) (D)	-	
23.	The mo	ost polluted river in India is		•	
	(A) (C)	Cauvery Godaveri .	(B) (D)		

24.	The sm	og is the combination of		
	(A) (B)			
	. (C)		etion	
	(D)		SEIOII	
25.	S-bond	is usually formed between	two	
	(A)	aromatic amino acids	(B)	acidic amino acids
	(C)	cysteine amino acids	(D)	
26.	Compo 3-dime	unds that have the same	structu oms are	ral formula but differing i
	(A)	Sterio isomers	(B)	Structural isomers
	(C)	Epimers		Photoisomers
			(~)	
27.	The ma	jor cell wall polysaccharid	e in plar	nts is
	(A)	Cellulose	(B)	Starch
	(C)	Glycogen	(D)	Chitin
28.	Which	one of the following is a qu	uarternai	ry protein?
	(A)	Myoglobin	(B)	Collagen
	(C)	Silk	(D)	Haemoglobin
29.	Sickle	cell anaemia is due to the c	hange o	f GAA to
	(A)	GUU	(B)	GUA
	(C)	GAU	(D)	GAG
30.	Which	one of the following is an i	inactive	enzyme?
	(A)	Pepsinogen	(B)	Trypsin
	(C)	Elastase	(D)	Chymotrypsin
			()	J J F

31.	Which	Which of the following enzymes functions at high temperature?				
		L-Amylase Multifunctional enzyme	<ul><li>(B) RuBPCase</li><li>(D) Taq DNA polymerase</li></ul>			
32.	The lig	ht reaction of photosynthesi	s yields			
		H <sub>2</sub> H <sub>2</sub> O	(B) $CO_2$ (D) $O_2$ +ATP +NADPH <sub>2</sub>			
.33.	Chloros	sis is generally attributed to	the following element			
	(A) (C)	K Mg	(B) Na (D) Zn			
34.	Which	of the following is called a	ripening hormone?			
		Auxin Cytokinin	<ul><li>(B) Gibberellin</li><li>(D) Ethylene</li></ul>			
35.	The pr	edominant pigment involv	ed in the root nodule fixation	of		
8 4	, ,	Flavonoids Carotenoids	(B) Anthocyanins (D) Leghaemoglobin			
36.	Which	of the following is a dormar	ncy breaker?			
		IAA GA <sub>3</sub>	(B) 2,4-D (D) Florigen			
37.	Dehydr	ins are formed in response t	0			
		Light stress Salt stress	(B) Heavy metal stress (D) Water stress			

			0			
38.		PAGE to initiate nd is used	the polyr	nerisat	ion reaction, the following	5
	(A) (C)				Ethidium bromide Ammonium nitrate	
39.	Sephade	ex is used in		•		
2	(C)	PAGE				
40.	Radioac	tive damage can l	e detected	in the	field by	
		GM Counter Auto radiograph	y	(B) (D)	Scintillation counter Half-life meter	
41.	Glycero	ol is produced con	mercially l	by		
		Saponfication of Reduction of fat Oxidation of pyr Dehydrogenation	ty acids uvic acid	adehyd	e	
42.	Cancer	can be diagnosed	by			
		MRI scan NMR spectrosco	рру	(B) (D)	Biosensor IR scan	
43.	Which	of the following t	ransgenic p	olants i	s a β-carotene producer?	
	(A)	Rice Potato		(B) (D)	Tomato Carrot	
44.	Which	of the following i	s a nucleic	acid d	atabase?	

(A) Swiss-PROT (C) DDBJ

(B) PHYLIB (D) PROT

45.	Citric a	cid is commercially produced	l using	9
	(B)	Aspergillus niger Clostridium acetobutylicum Saccharomyces cerevisiae Micrococcus glutamicus	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
46.	Protease	es are obtained from		
	(A) (C)	Bacillus subtilis Aspergillus oryzae	(B) (D)	1 3
47.	Which	one of the following is an ozo	ne de	pleting chemical?
	(A) (C)	CO CFCs	(B) (D)	CO <sub>2</sub> CH <sub>4</sub>
48.	Biodies	el is chemically defined as		
	(A) (B) (C) (D)		tty ac	ids
49.	The prin	nary product of photorespirat	ion is	
	(A) (C)	Glycolate Pyruvic acid	(B) (D)	Lactic acid Succinic acid
50.	If ∆G is	negative, it is then called	ž.	
	(A) (C)	Exergonic Isothermic	(B) (D)	Endergonic Gibbs free energy
51.	Immune	e disfunction is the primary ca	use fo	or
	(A) (C)	Diabetes AIDS	(B) (D)	Jaundice Arthritis

52.

Which one of the following plant species represents energy plantation?

	(A) Leucaena glauca (B) Morus alba (C) Erthrina indica (D) Ficus religiosa
53.	Electrically charged particles with unpaired electrons are called
	(A) Oxides (B) Free radicals (C) Zwitterions (D) Positrons
54.	Which of the following is an antioxidant?
	(A) Succinate (B) Isoprene (C) Vitamin E (D) Malate
55.	Dipole movement is commonly observed in
	(A) $H_2O$ (B) $CHCl_3$ (C) $EtOH$ (D) $CH_3COCOOH$
56.	Frederic Sanger who won Nobel Prize twice discovered
	<ul> <li>(A) Automatic sequencing</li> <li>(B) 2,3,dideoxynucleotide method for DNA sequencing</li> <li>(C) Capillary gel sequencing</li> <li>(D) Labelling of 3-end of DNA with 32P</li> </ul>
57.	The National Centre for collection and maintenance of microbial cultures is situated at
	(A) CCMB, Hyderabad (B) IARI, New Delhi (C) IMTECH, Chandigarh (D) NBRI, Lucknow
58.	The first case of life patenting was done by
	(A) Ananda Chakrabarthy (B) Milstein and Kohler (C) Cocking E.C. (D) Rolfe



59.	The genetic manipulation of a cell leading to overproduction of a particular metabolite is called				
	(A) (C)	Metabolic Engineering Metabolic derangement		Metabolic manipulation Metabolic Physiology	
60.	Which	of the following is the weak	est bon	d?	
		Hydrogen bond Covalent bond	(B) (D)	Ionic bond Electrovalent bond	
61.	Kreb's	cycle is an example of			
		Catabolic pathway Amphibolic pathway	(B) (D)	Anabolic pathway Anaplerotic pathway	
62.	What d	enotes a nanometer?	7		
E		10 <sup>-6</sup> meter 10 <sup>-8</sup> meter	4	10 <sup>-7</sup> meter 10 <sup>-9</sup> meter	
63.	DNA	replication proceeds in this	directio	on	
	(A) (C)	3'→5' 3'→3'	(B) (D)	5'→3' 5'→5'	
64.	DNA f	inger printing has an import	ant app	lication in	
		Mutagenesis Forensics		Gene amplification Gene screening	
65.	What I	nappens to a person who rec	eives a	wrong type of blood?	
	(A) (B) (C) (D)	All the arteries constrict The red blood cells agglu-		eriorate	

66.	Chaper	ons are used for	Ag s	***
	(A) (B) (C) (D)	Post-transcriptional splicir Chain termination	1g	
67.	Lucifer	ase is isolated from		
	(A) (C)	Fire-fly Bacteria		Pisces Fungi
68.	Raman	Effect was discovered in		
	(A) (C)	1930 1940	(B) (D)	1935 1928
69.	LEA ge	ene is involved in	:	
	(A) (C)	Water stress resistance Light reactions		Photoregulation Insect resistance
70.	The cor	rresponding keto acid for asp	partic a	cid is
	(A) (C)	Oxaloacetate α-Ketoglutarate	(B) (D)	Pyruvate Malate
71.	One of	the following is not a direct	precur	sor for purine biosynthesis
×	(A) (C)	Aspartate Glycine	(B) (D)	
72.	Penicil	lin is an inhibitor of		
	(A) (C)	SDH Protein synthesis		Glycoprotein peptidase Nucleic acid synthesis

Protein kinases can be regulated by

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73.

	(A) (C)	ATP gGMP	(B) (D)	cAMP Calmodulin	
74.	Cybrid	s possess			
	(A)	Cytoplasmic genes from or both	ne par	ent and nuclear genome from	
	(B)	Nuclear genome from only from both	one	parent but cytoplasmic gene	
	(C) (D)	Nuclear genome and cytop Cytoplasmic genes from bo	lasmic oth par	genes from one parent only ents	
75.	Which	of the following statements i	s false	?	
	(A) (B) (C) (D)	The pKa of acetic acid is lo pKa can be determined exp pKa of amino acid is independent The buffering capacity of a	erime endent	entally	
76.	Which	of the following is not a peptide hormone?			
	(A) (C)	Oxytocin Vasopressin	(B) (D)	Bradykinin Epinephrine	
77.	Binding	g of oxygen to haemoglobin f	follow	s	
7 p	(A) (C)	Sigmoidal binding curve Hyperbolic binding curve		Parabolic binding curve Linear binding curve	
78.	During	organ transplant, tissue rejec	tion m	ay be due to	
	(A) (B) (C)	Blood group	ins eins		
	(D)	Dónor's Tc receptors			



79.	Which of the following antibody molecule is a pentamer?
	(A) IgG (C) IgA (B) IgM (D) IgD
80.	The technique for producing monoclonal antibodies was developed by
	<ul> <li>(A) Georges Köhler and Cesar Milstein</li> <li>(B) Linus Pauling</li> <li>(C) Robert Corey</li> <li>(D) Hershey and Chase</li> </ul>
81.	The fibrous protein molecule having a triple helical structure is
	<ul> <li>(A) α-Keratin</li> <li>(B) Silk Fibroin</li> <li>(C) Collagen</li> <li>(D) Haemoglobin</li> </ul>
82.	Semiconservative DNA/Chromosome replication using <sup>14</sup> N was demonstrated by
	(A) Messelson (B) Messelson and Stahl (C) Tylor (D) Hershey and Chase
83.	AZT (Azidothymidine), an antiretroviral drug
	<ul> <li>(A) Interferes with reverse transcription</li> <li>(B) Inhibits viral proteases</li> <li>(C) Inhibits DNA replication</li> <li>(D) Inhibits protein synthesis</li> </ul>
84.	Which of the following inhibits the formation of contractile microfilament?
	(A) Colcemid (B) Cytochalasin-B (C) Staurosporin (D) Rifamycin
85.	Molecular chaperons are involved in
	(A) Protein folding (B) Protein synthesis (C) Autophagy (D) Phagocytosis

86.	Paracri	ne signalling
	(A) (B) (C) (D)	Targets cells located at distant sites Acts within the same cell
87.	Which	of the following is not a component of the extracellular matrix?
. ,	(A) (C)	Fribronectin (B) Laminin Vimentin (D) Collagen
88.	Integrir	ns are
	(A) (B) (C) (D)	Transmembrane receptors
89.	Yield c	oefficient in fermentation represents
	(A) (B) (C) (D)	Conversion efficiency of a substrate into product Conversion rate of a substrate into biomass or product
90.	High bi	ological oxygen demand in water body indicates
	(A) (C)	Chemical pollution (B) Organic pollutants High phototroph (D) Pressure of heterotrophs
91.	Which effect?	of the following is not a direct consequence of green-house gas
	(A)	Increase in sea level (B) Rainfall (D) Global warming



92.	Which efficien	of the following tistly?	ssues conver	ts pyruvate to	lactate most
	(A)	Liver	(B)	Muscle	
- '	(C)			Kidney	
		and the second of the second			
93.		ns isomerisation of the rn to be critical in the			
	(A)	Glycine	(B)	Isoleucine	
	(C)	Histidine		Proline	
94.		factant Triton X-100	commonly	used to solubili	ise membrane
	protein	is			
	(4)	A CONTRACTOR AND ALL	etd : <u>u</u> lk		
	(A)			Anionic	
	(C)	Ampiphilic	(D)	Hydrophilic	
95.	Which	one of the following i	s single stran	d specific nucle	ase?
	(A)	Z nuclease	(B)	S5 nuclease	
	. ,	S1 nuclease		DNase	
96.	Haemo	zoin is a toxin, which	is produced i	n human blood	during
		y et halek	•		
	(A)	Plasmodium infection	on		
	(B)	Leishmanial infection	on		
	(C)	Trypanosomal infec	tion		
	(D)	Entamoebahystolyti	ca infection		
97.	All of t	hese reagents are use	d in PCR exce	ept	
	(A)	Taq polymerase			
	(B)	Restriction enzymes	3		
	(C)	Oligonucleotides			
	(D)	Deoxynucleoside tr	iphosphate		
			A 1		



98.	Heat stress	shock proteins originally. Now, it is also known that	describe they	ed as proteins formed under
	(A) (B) (C) (D)	degrade ubiquitin tagged are protein-tyrosine kinas	protein: es	nelp in protein-folding s
99.	At wh	ich of the following stages is	a cell	at 4N condition?
	(A)		(B) (D)	Anaphase Metaphase
100.	Which evoluti	of the following is mos on of multigene families?	t likely	to be the mechanism for
	(A) (C)	7-11010010	(B) (D)	1
101.	Anthra	x is caused by		
	(A) (C)	Virus Protozoa	(B) (D)	Bacterium Helminthes
102.	The pri	mary lymphoid organs are		
	(A) (C)	Thymus, liver Bone marrow, spleen	(B) (D)	Liver, bone marrow Thymus, bone marrow
103.	Enzyme	e alcohol dehydrogenase bel	ongs to	class
	(A) (C)	Oxidoreductases Hydrolases	(B) (D)	Transferases Lyases
104.	Which	of the following is an epimer	of gluc	cose?
	(A) (C)	Ribose Cellulose		Fructose Galactose
			. ,	

105.	Chromos	some constitution in case o	f Turner	's syndrome is
		XX, XXY XX, XO		XO, XY XX, XW
106.	Shine-Da	algamo sequence is the		
	(B) (C)	Ribosomal RNA binding s Protein binding site Nucleic acid binding site None of the above	ite	
107.	The cyto	okine secreted in response	to viral	infection is
	(A) (C)	Interleukin CSF	(B) (D)	Interferon GM-CSF
108.	A CsCl	gradient will separate DNA	A molec	ules by
9.		Ionic strength Buoyant density	(B) (D)	Resorption Molecular size
109.	Cellula	r proteins destined for secr	etion are	e sorted and packaged in
	(A) (C)		(B) (D)	
110.	Which	of the following fails to de	velop th	ymus?
	(A) (C)		(B) (D)	Beige mice Nude mice
111.	. Retting	g is a process of biodegrada	ation inv	volving
a a	(C)	degradation of cellulose degradation of pectin an degradation of lignin degradation of retinol	d starch	

112.	Glycos	sylation of proteins occurs in		
	(A) (C)		(B)	Golgi Nucleus
113.	Elevate	ed levels of RBCs and low a daptation for	ffinity	of haemoglobin for Oxygen
		High altitudes Low altitudes	(B) (D)	Poles Marine
114.	Which codons	of the following amino ac?	ids ha	as the maximum number of
	(A) (C)	Leucine Tryptophan	(B) (D)	Proline Glutamic acid
115.	The firelectrop	rst dimension of separation phoresis is based on	of p	roteins for two-dimensional
	(A) (C)	Molecular mass Conformation		Isoelectric point Number of sub-units
116.	Pulse-fi	ield gel electrophoresis is use	d for s	separation of
	(A) (C)		(B) (D)	Telomeres Chromosomes
117.	A chan DNA se	ge in the pattern of gene exequence is called	pressi	ion without a change in the
	(A) (C)	0-22	(B) (D)	Epigenetic Tumor progression
118.	Unit of	distance between genes on th	e chro	omosomes is
	(A) (C)	Picometer Centimorgan		Morgan Nanometer
		•		

18 Screening bacterial colonies using X-gal and IPTG is by (A) α-complementation (B) β- complementation (C) δ- complementation (D) y-complementation 120. The placenta in humans is derived from the (A) Embryo only (B) Uterus only (C) Endometrium and embryo (D) Endometrium only 121. Which of the following disease is transmitted by a protein? (A) Creutzfeldt-Jakob Disease (B) Alzheimer's disease (C) Lymphocytic chloriomeningitis (D) Encephalitis 122. Which of these is not used for the estimation of protein?

(A) Lowry method

(B) Bradford's method

(C) Biuret method

(D) DNSA method

- 123. When an enzyme is assayed in the presence of a compound in increasing concentrations, it is found that Km of the enzyme increase without any change in its Vmax. The compound is a
  - (A) Competitive inhibitor of the enzyme
  - Uncompetitive inhibitor of the enzyme
  - Allosteric inhibitor of the enzyme (C)
  - (D) None of the above
- Which of the following enzyme is used to clear blood clots that occur 124. during myocardial infarction?

(A) Glucokinase

(B) Streptokinase

(C) Aexokinase

(D) Proteinkinase

125.	Dair oo	dies in temate is an example of	31	
	(A) (C)			Chromosomal aberration Euchromatisation
126.		any grams of NaOH (mol.wt. f 10mM solution?	40) a	are to be dissolved to prepare
*	(A) (C)	0.04 0.4	(B) (D)	0.2 0.02
127.	The gla	nd that produces melatonin he	ormor	ne is
		Thyroid Pineal		Adrenal Pituitary
128.	Ovalbu	min is synthesised in		
	, ,	Liver Oviduct	(B) (D)	Ovary Kidney
129.	The stri	ucture of complete enzyme (	holoe	nzyme) of RNA polymerase
		$\alpha\alpha'\beta_2\sigma$ $\alpha_2\beta\beta'\sigma$		$\alpha_2\beta\beta'$ $\alpha\beta\beta'\sigma$
130.	Haemo	globin carries how many mole	ecule	of oxygen?
	(A) (C)		(B) (D)	
131.	Mamma the mot	al in which development of ther's body is	embr	yo doesn't take place inside
	(A) (C)	Monotrems Plátypus		Hippocampus Kangaroo
			e e	

Which one of the following is a conjugated protein? (A) Prolamine (B) Histamine (C) Glutelins (D) Haemoglobin 133. Pernicious anaemia is due to the lack of absorption of (A) Iron (B) Vitamin B12 (C) Vitamin C Vitamin E (D) 134. Natural killer cells play an important role in the destruction of (A) Tumour cells (B) CD4 cells (C) Memory cells (D) MHC class I molecules Which of the following molecules is called oxygen protectant in root 135. nodules? (A) Chlorophyll (B) Phycoerythrin (C) Phycobillins (D) Leghaemoglobin Comparative analysis of the total data can best be represented by (A) Pie-diagram (B) binomial distribution (C) normal distribution three dimensional diagram 137. 'Cos' site is present in (A) Plasmid (B) Cosmid (C) Bacteriophage (D) Cyanophage 138. Lac repressor (A) is a DNA binding protein (B) is induced by exposure of a bacterial cell to lactose (C) uses the same promoter as the lac Z gene

(D) inactivates the inducer

139.	The chance of getting a male child at delivery is termed					
	(A) (C)		(B) (D)	Probability Test of significance		
140.	Okasal	ci fragments are involved in				
	(A) (C)	Lagging strand of DNA Reverse transcriptase	(B) (D)	Leading strand of DNA Transcription		
141.	Which	is the most abundant RNA ir	cell?			
	(A)	mRNA rRNA	(B) (D)	tRNA Antisense RNA		
142.	Differe which	nt cell types from a lymphoo of the following techniques?	yte po	pulation can be separated	by	
	(A) (B) (C) (D)	3 0	tion			
143.	Half-lif will tak	Te of a radioactive material is te to become 12.5% of its original terms.	s 50 c	lays. How many half lives mount?	s it	
	(A) (C)	1 3	(B) (D)	2 4		
144.	144. The gene regulatory element is called					
	(A) (C)	Suppressor Promoter	(B) (D)	Inducer Donor		
145. IPR is related to						
	(A) (C)	International trade Bilateral agreement	(B) (D)	Intellectual patent International Piracy		
	* 12					

	,			
146.	Ds elem	ents are		
	(A) (B) (C) (D)	Sites of chromosome unio	n	echanism
147.	What is	the typical size of a Ct gen	ome?	
	(A) (C)	1.5 Kb 150 Kb	(B) (D)	15 Kb 1500 Kb
148.	Hydrog	en cyanide is present in		
	(A) (C)	Paddy Papaya	(B) (D)	Tapioca Apple
149.	Electro	n microscope was invented	by	inac.
	(A) (C)	Ernest Ruska Marton	(B) (D)	de Brogile Anton Van Leeuwenhoek
150.	The ch	aracter that appears in F <sub>1</sub> is	called	
*	(A) (C)	Recessive Incomplete dominance	(B) (D)	Dominant None of the above

SPACE FOR ROUGH WORK



# SPACE FOR ROUGH WORK

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