BIOLOGY

1.	Which aspect forms the basis of DNA finger-printing? The Satellite DNA showing high degree of repetition in DNA segments. (B) The ratio of purines and pyrimidines present in DNA. (C) The amount of DNA found in samples of blood, saliva and skin. (D) The Sequence of DNA present in the ridges and grooves of finger-prints.			
2.	(C) Plasmodium ovale (B) Plasmodium ovale (C) Plasmodium ovale (D) Plasmodium ovale			vivax
3.	The type of antibodies (A) Ig G	s produced during th (B) Ig A	e allergic reaction (C) Ig M	(B) Ig E
4.	One of the side-effect (A) Cirrhosis of liver	Of the wee of	ic steroids in females	
5	Which one of the follo (A) Amphatamines	owing is a opiate nar	cotics?	on (D) Hallucination
6.	The large holes in 'Su	Vies Character	(C) LSD	Morphine
	(B) Machine	ses a lot of	of CO ₂	
7.	Which vitamin is incr			(D) 15:
8.	Enzyme which is usef (A) Amylase	ful to remove the oily (B) Renin	stains in laundry?	(D) Vitamin B
9.	DNA replicates semic (A) Plants	onservatively was fin	rst shown in : i (C) Higher animals	(D) Protease
10.	A series of experime	nts were conducted	by Frederick Gaissa	in 1928, on transforming
	(A) Salmonella typhii (C) Streptococcus pn	murium eumoniae	(B) Escherichia co. (D) Bacillus thuring	1:
11.	The number of codons (A) 64	effective in coding	twenty amino acids	RICINIS
		(B) 61	(C) 20	

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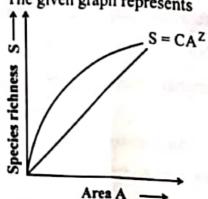
12.	resistance gene in a	mally helps in the selection of
	-4113	(D) Competent cells
	(C) Non-competent cells	(B) Competent cells (D) Transformed cells
13.	of Specific HIRINA in RNAi is he	
	(A) ssDNA	(B) SSRNA
	(C) dsDNA	(D) dsRNA
		(D) usikita
14.	The street of Controls	
	(A) Root nematode (B) Cotton bollwood	rms (C) Ring worm (D) Corn borer
15.	ADA deficiency can be cured by	
	(A) Kidney Transplantation	
	(C) Heart Transplantation	(B) Bone-marrow Transplantation
	Red Day	(D) Liver Transplantation
17.	emigration 3 and the net increase in popula (A) 10 (B) 0 The term "Molecular Scissors" refers to (A) Restriction enzyme (C) Taq polymerase	(C) 27 (D) 5 24 + 3 (B) Polymerase-I (D) Polymerase-II
18.	What does the sample of given base sequen	00
	5' - GAATTC - 3'	ice represent?
	3'-CTTAAG-5'	
	(A) Completion of replication (C) Palindromic sequence	(B) Initiator codon at 5' end
y.	The state of the s	(D) Deletion mutation
	Gel electrophoresis is used for	
	of the costs is used for	
	(A) Separation of DNA fragments according	or to their eige
	(A) Separation of DNA fragments according	g to their size.
19. J	(A) Separation of DNA fragments according (B) Construction of recombinant DNA by i	ig to their size. oining with cloning vectors.
	(A) Separation of DNA fragments according	ig to their size. oining with cloning vectors.

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20.	The amount of Photosynthetically active radiation captured by plants is	is
	(4) (6) 70	S

(A)
$$60-70$$
 percent

The given graph represents



(A) Population growth

Species area relationship

- (B) Enzyme activity
- (D) Growth of organisms

Cuscuta is an example of

- (Ectoparasitism
- (C) Predation

- (B) Broad Parasitism
- (D) Endoparasitism

23. Particulates of _____ size pose greatest risk to human health.

- (A) Less than 3.5 micrometers in diameter
- Less than 2.5 micrometers in diameter
- (C) Less than 7.5 micrometers in diameter
- (D) Less than 4.5 micrometers in diameter

Maintenance of constant internal environment is called as

- (A) Thermoregulation (B) Metastasis
- (C) Osmoregulation (D) Homeostasis

The animals which are active during day time: 25.

- (A) Vesporal
- (B) Diurnal
- (C) Cresporal
- (D) Auroral

Which of the following statement is incorrect related to biomes?

- (A) High temperature and minimum rainfall help to form grasslands.
- (B) Variation in temperature and mean precipitation accounts for the major biomes.
- (C) Low temperature and less rainfall is a characteristics of Tundra biomes.
- More rainfall and low temperature is the characteristics of deserts.

Space For Rough Work

		Space For F	lough Work	
38.	Phycoerythrin and (A) Brown algae	Floridean starch is found (B) Blue – green al		(D) Green algae
37.	(A) Virus	encephalopathy is caus (B) Viroids	(C) rungi	Prions
	(A) Bentham and I (C) John Ray	6.3-	(D) Lamarck	Cua ,
36.	Binomial nomencla	ature is introduced by	(B) Carolus Linna	eus
	due to improper mo (A) Neck	Epiglottis	(C) Tongue	(D) Diaphragm
35.	A person suddenly	starts coughing while s	wallowing food. This	coughing would have been
34.	Respiratory quotier (A) 0.9	nt of glucose is (B) 0	JOY 1.0	(D) 0.7
33.	Kranz anatomy can (A) Pea	(B) Tomato	Maize	(D) Potato
	(A) Endonuclease	2 2 F 19 (C #	(C) Lygase	(D) Polymerase
32.	Enzyme involved in		Mosacye para	a appropriate (a)
31.	Cellulose	charide present in a cot (B) Starch	(C) Glycogen	(D) Insulin
		at the same said		The state of the s
	(A) Schleiden and (C) Schwann and I		(B) Schleiden and (D) Robert Hook a	A 100 A 24
30.	Cell theory was for	•		
29.	Rows of S-shaped s the first, last ar (C) the first segme		(B) the last segme (D) the first and la	nt
28.	(A) Asparagus	ving plant is used to extr	(C) Tulip	(D) Aloe
•	Arthropods	(B) Sponges	(C) Annelids	(D) Molluscs
27.	present in			ook lungs and trachea ar

CO

39.	Menstrual cycle is ex	hibited by:		
	(A) Apes	(B) Cow	(C) Tiger	(D) Rat
40.	An example of dioec	ious plant :		
	(A) Mango	(B) Cucurbita	(e) Papaya	(D) Coconut
41.	Stalk of the Stamen i	s:		
	(A) Petiole	(B) Filament	(C) Peduncle	(D) Pedicel
42.	The ovule of angiosp	erm is technically kno	own as:	
	(A) Megaspore mot	her cell	(B) Megasporangit	ım
	(C) Megaspore		(D) Megasporophy	
			(=, ===,==,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=	31
43.	Typical mature emb	ryosac of angiosperm	is	
	(A) 7 nucleated 8 ce		(B) 8 nucleated 8 c	elled structure
	(C) 8 nucleated 1 ce		(D) 8 nucleated 7 c	
	(0) 0 11201011102		o nacioalea y c	onou situaturo
44.	One of the 2000 ve	ears old viable seed d	liscovered during the ar	cheological excavation at
77.	King Herold's near		iscovered during the air	oneological cheavallen a
	(A) Maize	ucau sca.	(B) Sunflower	
		and the second	Phoenix dactyl	ifera
	(C) Lupin		Phoenix dacty	incia
	77		al cavity in scortum as it	helps to
45.			nal cavity in scortum as it (B) Store sperm	incips to
	Maintain the lo		(D) Release sperm	
	(C) Regulates harm	none secretion	(D) Release sperm	
	Tdansification add one	from the following:		
46	. Identity the odd one	from the following:	(C) Isthamus	ADJ Labia minora
	(A) Infundibulum			* 1
45	In subject month of	gestation the first m	ovements of foetus and	appearance of hair on its
47	. In which month of	gestation, the most		
	head is observed?	(B) 1st month	(C) 8 th month	(D) 4 th month
	5th month	(B) 1 monan		
	. The most abundant	tume of WBC cells		
48	. The most abundant	(B) Basophils	(C) Monocytes	(D) Neutrophils
	(A) Eosinophils	(B) Dasopinio	(-)	
	Chlood	during urine formation	takes place in	
49	Filtration of blood	t (B) DCT	(C) Glomerulus	(D) PCT
	(A) Collecting du	(b) Der	• /	
		anneate the		
50	. Corpus Callosum	Connects the	(B) Two lobes of c	erebellum
	A Carabrum and	CELEBEHAM	Two cerebral h	emispheres
	(C) Spinal cord w	ith the brain	A-1 - 110	•

Space For Rough Work



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	Space Fo	r Rough Work	
J	(A) RCH (B) MIII	(6) K.I.	
6	O. The technique advised by a doctor to ove		
	(C) Spores - Sponge	(D) Gemmules -	
5	9. Which of the following is correctly match	ned? (B) Conidia – Hy	dra
5	8. Which of the following hormones is not so (A) Progestogen (B) hCG	ecreted by human place FSH	nta? (D) Relaxin
	(A) Nucleosome (B) Chromosome	(C) Mesosome	(D) Ribosome
	DNA		30, 375
57.	The given diagram represents:	anna :	, manager com
56.	The affected male in the pedigree chart is sy	ymbolized by : (C)	(D) (
55.	Gynecomastia is a symptom of (A) Turner's syndrome (C) Cri-du-chat syndrome	(B) Down's syndron (B) Kline Felter's s	
54.	Example for Non-Mendelian disorder: (A) Thalassemia (B) Haemophilia	(C) Cystic fibrosis	Down's syndrome
53.	XO type of sex determination and XY type of Male Homogamety (C) Female Homogamety	of sex determination are Male Heterogam (D) Female Heterogam	nety
52.	The first human like being is (A) Homo sapiens (B) Homo erectus	(C) Homo menthus	(D) Homo habilis
	(A) To grow cell on culture medium (C) Determine the sex of the foetus	(B) Determine any disease of heart(D) Know about the disease of brain	

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