KCET 2022 Question Paper BIOLOGY (Code- A1)

		Space For I	Rough Work	
12.	The most abundant typ (A) Eosinophils	e of WBC cells (B) Basophils	(C) Monocytes	(D) Neutrophils
11.	In which month of general is observed? (A) 5 th month	station, the first mo (B) 1 st month	(C) 8 th month	pearance of hair on its (D) 4 th month
10.	Identify the odd one from (A) Infundibulum	(B) Fimbriae	(C) Isthamus	(D) Labia minora
9.	(A) Maintain the low (C) Regulates harmon	temperature e secretion	al cavity in scortum as it h (B) Store sperm (D) Release sperm	elps to
8.	One of the 2000 year King Herold's near des (A) Maize (C) Lupin		(B) Sunflower (D) Phoenix dactylife	
7.	(A) 7 nucleated 8 cell (C) 8 nucleated 1 cell	Cypical mature embryosac of angiosperm is A) 7 nucleated 8 celled structure (B) 8 nucleated 8 celled structure (C) 8 nucleated 1 celled structure (D) 8 nucleated 7 celled structure		
6.	The ovule of angiosper (A) Megaspore mother (C) Megaspore		own as: (B) Megasporangium (D) Megasporophyll	
5.	Stalk of the Stamen is (A) Petiole	: (B) Filament	(C) Peduncle	(D) Pedicel
4.	An example of dioecio (A) Mango	ous plant : (B) Cucurbita	(C) Papaya	(D) Coconut
3.	Menstrual cycle is exh (A) Apes	ibited by : (B) Cow	(C) Tiger	(D) Rat
2.	Corpus Callosum conn (A) Cerebrum and cer (C) Spinal cord with t	ebellum	(B) Two lobes of cerebellum (D) Two cerebral hemispheres	
1.	Filtration of blood dur (A) Collecting duct	ing urine formation (B) DCT	takes place in (C) Glomerulus	(D) PCT

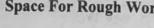


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13.	(A) Bulbil – Agave	ed ? (B) Conidia – Hydr	a
	(C) Spores – Sponge	(D) Gemmules – At	
14.			
14.	(A) RCH (B) MTP	(C) RTI	(D) ART
15.	Amniocentesis is a process to: (A) To grow cell on culture medium (C) Determine the sex of the foetus	(B) Determine any (D) Know about the	disease of heart disease of brain
16.	The first human like being is (A) Homo sapiens (B) Homo erectus	(C) Homo menthus	(D) Homo habilis
17.	XO type of sex determination and XY type (A) Male Homogamety (C) Female Homogamety	of sex determination are (B) Male Heterogan (D) Female Heterogan	nety
18.	Example for Non-Mendelian disorder: (A) Thalassemia (B) Haemophilia	(C) Cystic fibrosis	(D) Down's syndrome
19.	Gynecomastia is a symptom of (A) Turner's syndrome (C) Cri-du-chat syndrome	(B) Down's syndrome (D) Kline Felter's syndrome	
20.	The affected male in the pedigree chart is sy	mbolized by:	Constitution in
	(A) (B) ((C)	(D) O
21.	The given diagram represents: H1 Histone DNA		
	(A) Nucleosome (B) Chromosome	(C) Mesosome	(D) Ribosome
22.	Which of the following hormones is not secretary (A) Progestogen (B) hCG	reted by human placenta (C) FSH	? (D) Relaxin
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3.	DNA replicates semiconservatively was first shown in: (A) Plants (B) Esherichia coli (C) Higher animals	S (D) Human cell	
2.	Enzyme which is useful to remove the oily stains in laundry? (A) Amylase (B) Renin (C) Lipase	(D) Protease	
1.	Which vitamin is increased by 'LAB' in curd? (A) Vitamin B ₁₂ (B) Vitamin C (C) Vitamin E	(D) Vitamin B	
	(C) Fungus that releases a lot of gases during metabolic activities (D) Bacterium that produces methane gas		
30.	The large holes in 'Swiss – Cheese' are made by a (A) Bacterium producing a large amount of CO ₂ (B) Machine		
29.	Which one of the following is a opiate narcotics? (A) Amphatamines (B) Barbiturates (C) LSD	(D) Morphine	
28.	One of the side-effect of the use of anabolic steroids in females (A) Cirrhosis of liver (B) Loss of memory (C) Masculinisation	on (D) Hallucination	
27.	The type of antibodies produced during the allergic reaction (A) Ig G (B) Ig A (C) Ig M	(D) Ig E	
26.	Identify the most infectious and fatal type of malarial parasite: (A) Plasmodium falciparum (B) Plasmodium v (C) Plasmodium ovale (D) Plasmodium v		
25.	Which aspect forms the basis of DNA finger-printing? (A) 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.		
24.	The number of codons effective in coding twenty amino acids: (A) 64 (B) 61 (C) 20	(D) 32	
23.	A series of experiments were conducted by Frederick Griffith principle with: (A) Salmonella typhimurium (C) Streptococcus pneumoniae (B) Escherichia (C) Bacillus thurs	coli	



34.	What does the sample of given base sequence represent?				
	5' - GAATTC - 3'				
	3' - CTTAAG - 5'	(B) Initiator codon at 5' end			
	(A) Completion of replication	(D) Deletion mutation			
	(C) Palindromic sequence	(D) Deletion mutation			
35.	Gel electrophoresis is used for				
	(A) Separation of DNA fragments according to their size.				
	(B) Construction of recombinant DNA by joining with cloning vectors.				
	(C) Cutting of DNA into fragments.				
	(D) Isolation of DNA molecule.				
36.	An antibiotic resistance gene in a vector usually helps in the selection of				
	(A) Non-recombinant cells	(B) Competent cells			
	(C) Non-competent cells	(D) Transformed cells			
37.	Silencing of specific mRNA in RNAi is by				
	(A) ssDNA	(B) SSRNA			
	(C) dsDNA	(D) dsRNA			
38.	Cry-IAC effectively controls,	CESTAL CONTRACT PROPERTY.			
	(A) Root nematode (B) Cotton bollworms	(C) Ring worm (D) Corn borer			
39.	ADA deficiency can be cured by				
	(A) Kidney Transplantation	(B) Bone-marrow Transplantation			
	(C) Heart Transplantation	(D) Liver Transplantation			
40.	Average natality rate in our village is 25, average mortality is 24, immigration 2 an emigration 3 and the net increase in population is:				
	(A) 10 (B) 0	(C) 27 (D) 5			
41.	The term "Molecular Scissors" refers to				
	(A) Restriction enzyme	(B) Polymerase-I			
	(C) Taq polymerase	(D) Polymerase-II			



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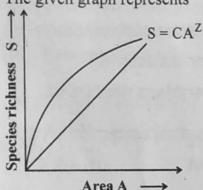
- 42. The animals which are active during day time:
 - (A) Vesporal
- (B) Diurnal
- (C) Cresporal
- (D) Auroral
- 43. Which of the following statement is incorrect related to biomes?
 - (A) High temperature and minimum rainfall help to form grasslands.
 - (B) Variation in temperature and mean precipitation accounts for the major biomes.
 - (C) Low temperature and less rainfall is a characteristics of Tundra biomes.
 - (D) More rainfall and low temperature is the characteristics of deserts.
- 44. The amount of Photosynthetically active radiation captured by plants is
 - (A) 60-70 percent

(B) 20 - 30 percent

(C) 12 - 20 percent

(D) 2 - 10 percent

45. The given graph represents



- (A) Population growth
- (C) Species area relationship

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

- 46. Cuscuta is an example of
 - (A) Ectoparasitism
 - (C) Predation

- (B) Broad Parasitism
- (D) Endoparasitism
- 47. Particulates of ____ size pose greatest risk to human health.
 - (A) Less than 3.5 micrometers in diameter
 - (B) Less than 2.5 micrometers in diameter
 - (C) Less than 7.5 micrometers in diameter
 - (D) Less than 4.5 micrometers in diameter
- 48. Maintenance of constant internal environment is called as
 - (A) Thermoregulation (B) Metastasis
- (C) Osmoregulation
- (D) Homeostasis



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49.	Bovine spongiform en (A) Virus	(B) Viroids	(C) Fungi	(D) Prions		
50.	Phycoerythrin and Flo (A) Brown algae	oridean starch is found i (B) Blue – green alga	in ae (C) Red algae	(D) Green algae		
51.	Different types of respiratory organs like gills, book gills, book lungs and trachea are					
	present in (A) Arthropods	(B) Sponges	(C) Annelids	(D) Molluscs		
52.	Which of the following plant is used to extract Colchicine?					
	(A) Asparagus	(B) Colchicum	(C) Tulip	(D) Aloe		
53.	Rows of S-shaped setae in the body of earthworm are present in all the segments, except					
	(A) the first, last and clitellum			(B) the last segment		
	(C) the first segment		(D) the first and l	ast segment		
54.	Cell theory was form	ulated by				
	(A) Schleiden and Re			(B) Schleiden and Schwann		
	(C) Schwann and Ro	bert Brown	(D) Robert Hook	and Robert Brown		
55.	The type of Polysaccharide present in a cotton fibre					
	(A) Cellulose	(B) Starch	(C) Glycogen	(D) Insulin		
56.	Enzyme involved in	crossing over				
	(A) Endonuclease		(C) Lygase	(D) Polymerase		
57.	Kranz anatomy can b	e seen in				
	(A) Pea		(C) Maize	(D) Potato		
58.	Respiratory quotient	of glucose is				
	(A) 0.9	(B) 0	(C) 1.0	(D) 0.7		
59.	A person suddenly st	tarts coughing while sv	vallowing food. This	s coughing would have been		
	due to improper mov					
	(A) Neck	(B) Epiglottis	(C) Tongue	(D) Diaphragm		
60.	Binomial nomenclature is introduced by					
	(A) Bentham and Hooker		(B) Carolus Linnaeus			
	(C) John Ray		(D) Lamarck			



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