KCET 2022 Question Paper BIOLOGY (Code- A1)

	Space For Ro	ugh Work		
12.	The most abundant type of WBC cells (A) Eosinophils (B) Basophils	(C) Monocytes	(D) Neutrophils	
11.	In which month of gestation, the first move head is observed? (A) 5 th month (B) 1 st month	(C) 8 th month	pearance of hair on its (D) 4th month	
10.	Identify the odd one from the following: (A) Infundibulum (B) Fimbriae	(C) Isthamus	(D) Labia minora	
9.	The testis are situated outside the abdominal (A) Maintain the low temperature (C) Regulates harmone secretion	cavity in scortum as it he (B) Store sperm (D) Release sperm	elps to	
8.	One of the 2000 years old viable seed, disc King Herold's near dead sea. (A) Maize (C) Lupin	(B) Sunflower (D) Phoenix dactylifer		
7.	Typical 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 angiosperm is technically know (A) Megaspore mother cell (C) Megaspore	vn as: (B) Megasporangium (D) Megasporophyll		
5.	Stalk of the Stamen is: (A) Petiole (B) Filament	(C) Peduncle	(D) Pedicel	
4.	An example of dioecious plant: (A) Mango (B) Cucurbita	(C) Papaya	(D) Coconut	
3.	Menstrual cycle is exhibited by: (A) Apes (B) Cow	(C) Tiger	(D) Rat	
2.	Corpus Callosum connects the (A) Cerebrum and cerebellum (C) Spinal cord with the brain	(B) Two lobes of cerebellum (D) Two cerebral hemispheres		
1.	Filtration of blood during urine formation tal (A) Collecting duct (B) DCT	kes place in (C) Glomerulus	(D) PCT	



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13.	Which of the following is correctly matched? (A) Bulbil – Agave (B) Conidia – Hydra			
	(C) Spores – Sponge	(D) Gemmules – An		
14.	The technique advised by a doctor to overe (A) RCH (B) MTP			
15.	Amniocentesis is a process to: (A) To grow cell on culture medium (C) Determine the sex of the foetus	(B) Determine any of (D) Know about the	lisease 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 the examples of (B) Male Heterogamety (D) Female Heterogamety		
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	ymbolized by :		
	(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 sec (A) Progestogen (B) hCG	reted by human placenta (C) FSH	? (D) Relaxin	
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3.	DNA replicates semiconservatively was first s (A) Plants (B) Esherichia coli	hown in: (C) Higher animals	(D) Human cell	
2.	Enzyme which is useful to remove the oily sta (A) Amylase (B) Renin	(C) Lipase	(D) Protease	
	(A) Vitamin B ₁₂ (B) Vitamin C	(C) Vitamin E	(D) Vitamin B	
1.	(D) Bacterium that produces methane gas Which vitamin is increased by 'LAB' in curd			
	(B) Machine(C) Fungus that releases a lot of gases during	metabolic activities		
0.	The large holes in 'Swiss – Cheese' are made (A) Bacterium producing a large amount of C	by a	7 Fpc (2)	
29.	Which one of the following is a opiate narcoti (A) Amphatamines (B) Barbiturates	ics? (C) LSD	(D) Morphine	
28.	One of the side-effect of the use of anabolic so (A) Cirrhosis of liver (B) Loss of memory	teroids in females (C) Masculinisation	(D) Hallucination	
27.	The type of antibodies produced during the al (A) Ig G (B) Ig A	(C) Ig M	(D) Ig E	
26.	Identify the most infectious and fatal type of (A) Plasmodium falciparum (C) Plasmodium ovale	malarial parasite : (B) Plasmodium viva (D) Plasmodium mala		
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 tw (A) 64 (B) 61	renty amino acids: (C) 20	(D) 32	
23.	A series of experiments were conducted b principle with: (A) Salmonella typhimurium (C) Streptococcus pneumoniae	y Frederick Griffith in (B) Escherichia coli (D) Bacillus thuringi		
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34.	epresent?				
	5' - GAATTC - 3'				
	3' - CTTAAG - 5'	(D) I 't'-ter andon at 5' end			
	(A) Completion of replication	(B) Initiator codon at 5' end			
	(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,				
	(A) Root nematode (B) Cotton bollworms	(C) Ring worm (D) Corn borer			
39.	ADA deficiency can be cured by	TO BEAUTIFUL TO THE SECOND			
	(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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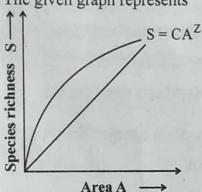
- 42. The animals which are active during day time:
 - (A) Vesporal
- (B) Diurnal
- (C) Cresporal
- (D) Auroral
- 43. Which of the following statement is incorrect related to biomes?
 - (A) High temperature and minimum rainfall help to form grasslands.
 - (B) Variation in temperature and mean precipitation 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 end (A) Virus	cephalopathy is caused to (B) Viroids	(C)	Fungi	(D) Prions
50.	Phycoerythrin and Flor (A) Brown algae	ridean starch is found in (B) Blue – green algae	(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	g plant is used to extract	Col	chicine?	
	(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 last segment				
54.	Cell theory was formulated by (A) Schleiden and Robert Brown (C) Schwann and Robert Brown		(B) Schleiden and Schwann (D) Robert Hook and Robert Brown		
55.	The type of Polysacch	aride present in a cotton	fibre	e	
	(A) Cellulose	(B) Starch	(C)	Glycogen	(D) Insulin
56.	Enzyme involved in c (A) Endonuclease	rossing over (B) Recombinase	(C)	Lygase	(D) Polymerase
57.	Kranz anatomy can be				
	(A) Pea	(B) Tomato	(C)	Maize	(D) Potato
58.	Respiratory quotient of (A) 0.9	of glucose is (B) 0	(C)	1.0	(D) 0.7
59.	A person suddenly starts coughing while swallowing food. This coughing would have been				
	due to improper move (A) Neck	ement of (B) Epiglottis	(C)	Tongue	(D) Diaphragm
60.	Binomial nomenclatur (A) Bentham and Ho (C) John Ray		10000) Carolus Linnaeus) Lamarck	



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