K-CET 2022 KEY ANSWERS

BIOLOGY (VERSION: A1)

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12.	The most abundant type of WBC cells Option: (A) Eosinophils (B) Basophils	D (C) Monocytes	(D) Neutrophils
11.	In which month of gestation, the first movement head is observed? Option: A (A) 5 th month (B) 1 st month	(C) 8 th month	(D) 4 th month
10.	Identify the odd one from the following: Optic (A) Infundibulum (B) Fimbriae	(C) Isthamus	(D) Labia minora
9.	The testis are situated outside the abdominal c. (A) Maintain the low temperature (C) Regulates harmone secretion	(B) Store sperm (D) Release sperm	lps to Option: A
8.	One of the 2000 years old viable seed, disco King Herold's near dead sea. Option: D (A) Maize (C) Lupin	(B) Sunflower (D) Phoenix dactylifer	
7.	Typical mature embryosac of angiosperm is O (A) 7 nucleated 8 celled structure (C) 8 nucleated 1 celled structure	(B) 8 nucleated 8 cells (D) 8 nucleated 7 cells	
6.	The ovule of angiosperm is technically known (A) Megaspore mother cell (C) Megaspore	as: Option: B (B) Megasporangium (D) Megasporophyll	4
5.	Stalk of the Stamen is: Option: B (A) Petiole (B) Filament	(C) Peduncle	(D) Pedicel
4.	An example of dioecious plant: Option: C (A) Mango (B) Cucurbita	(C) Papaya	(D) Coconut
3.	Menstrual cycle is exhibited by : Option: A (A) Apes (B) Cow	(C) Tiger	(D) Rat
2.	Corpus Callosum connects the Option: D (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 take (A) Collecting duct (B) DCT	es place in Option: C (C) Glomerulus	(D) PCT

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22.	Which of the following hormones is not secrete (A) Progestogen (B) hCG	ed by human placenta? Option: C (C) FSH (D) Relaxin		
		(C) Mesosome (D) Ribosome		
	DNA	CS.9740800V		
21.	The given diagram represents : Option: A H1 Histone	2		
20.	The affected male in the pedigree chart is symbol. (A) (B)	oolized by: Option: A (C) (D)		
19.	Gynecomastia is a symptom of Option: D (A) Turner's syndrome (C) Cri-du-chat syndrome	(B) Down's syndrome (D) Kline Felter's syndrome		
18.	Example for Non-Mendelian disorder: Option (A) Thalassemia (B) Haemophilia	(C) Cystic fibrosis (D) Down's syndrom		
17.	XO type of sex determination and XY type of (A) Male Homogamety (C) Female Homogamety	sex determination are the examples of Option (B) Male Heterogamety (D) Female Heterogamety		
16.	The first human like being is Option: D (A) Homo sapiens (B) Homo erectus	(C) Homo menthus (D) Homo habilis		
15.	Amniocentesis is a process to: Option: C (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		
14.	The technique advised by a doctor to overcome (A) RCH (B) MTP	ne the problem of infertility : Option: D (C) RTI (D) ART		
	(C) Spores – Sponge	(D) Gemmules – Amoeba		
13.	Which of the following is correctly matched? (A) Bulbil – Agave	Poption: A (B) Conidia – Hydra		

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3.	DNA replicates semiconservatively was first (A) Plants (B) Esherichia coli	shown in : Option: B (C) Higher animals	(D) Human cell
2.	Enzyme which is useful to remove the oily st (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
	(B) Machine(C) Fungus that releases a lot of gases during(D) Bacterium that produces methane gas		00/250
30.	The large holes in 'Swiss – Cheese' are made (A) Bacterium producing a large amount of	e by a Option: A	318
29.	Which one of the following is a opiate narco (A) Amphatamines (B) Barbiturates	tics ? Option: D (C) LSD	(D) Morphine
28.	One of the side-effect of the use of anabolic (A) Cirrhosis of liver (B) Loss of memory	steroids in females Optio (C) Masculinisation	on: C (D) Hallucination
27.	The type of antibodies produced during the a (A) Ig G (B) Ig A	allergic reaction Option: I	(D) Ig E
26.	Identify the most infectious and fatal type of (A) Plasmodium falciparum (C) Plasmodium ovale	malarial parasite: Option (B) Plasmodium viva (D) Plasmodium mala	x and a second
25.	Which aspect forms the basis of DNA finger (A) The Satellite DNA showing high degree (B) The ratio of purines and pyrimidines pr (C) The amount of DNA found in samples (D) The Sequence of DNA present in the rice	e of repetition in DNA se esent in DNA.	
24.	The number of codons effective in coding to (A) 64 (B) 61	wenty amino acids: Opti (C) 20	on: B (D) 32
	principle with: Option: C (A) Salmonella typhimurium (C) Streptococcus pneumoniae	(B) Escherichia coli (D) Bacillus thuring	
23.	or experiments were conducted	by Frederick Griffith in	1928, on transforming

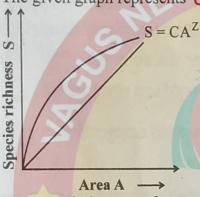
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	(C) Taq polymerase	(D) Polymerase-II
41.	The term "Molecular Scissors" refers to Option (A) Restriction enzyme	(B) Polymerase-I
40.	Average natality rate in our village is 23, emigration 3 and the net increase in populatio (A) 10 (B) 0	n is : Option: B
	Average natality rate in our village is 25,	average mortality is 24 immigration 2 an
	(A) Kidney Transplantation(C) Heart Transplantation	(D) Liver Transplantation
39.	ADA deficiency can be cured by Option: B	(B) Bone-marrow Transplantation
38.	Cry-IAC effectively controls, Option: B (A) Root nematode (B) Cotton bollworms	(C) Ring worm (D) Corn borer
	(C) dsDNA	(D) dsRNA
37.	Silencing of specific mRNA in RNAi is by Or (A) ssDNA	(B) SSRNA
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	(A) Non-recombinant cells(C) Non-competent cells	(D) Transformed cells
36.	An antibiotic resistance gene in a vector usual	y helps in the selection of Option: D (B) Competent cells
	(D) Isolation of DNA molecule.	EML
	(C) Cutting of DNA into fragments.	
	(B) Construction of recombinant DNA by join	ning with cloning vectors.
35.	to their size.	
	(C) Palindromic sequence	(D) Deletion mutation
	(A) Completion of replication	(B) Initiator codon at 5' end
	3' - CTTAAG - 5'	
34.	5' – GAATTC – 3'	option: o
34.	What does the sample of given base sequence	represent? Option: C

- 42. The animals which are active during day time : Option: B
 - (A) Vesporal
- (B) Diurnal
- (C) Cresporal
- (D) Auroral
- 43. Which of the following statement is incorrect related to biomes? Option: D
 - (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 Option: D
 - (A) 60 70 percent

(B) 20 - 30 percent

(C) 12 - 20 percent

- (D) 2 10 percent
- 45. The given graph represents Option: C



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

- (B) Enzyme activity
- (D) Growth of organisms
- 46. Cuscuta is an example of Option: A
 - (A) Ectoparasitism
 - (C) Predation

- (B) Broad Parasitism
- (D) Endoparasitism
- 47. Particulates of ____ size pose greatest risk to human health. Option: B
 - (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 Option: D
 - (A) Thermoregulation (B) Metastasis
- (C) Osmoregulation.
- (D) Homeostasis



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49.	Bovine spongiform encephalopathy is caused (A) Virus (B) Viroids	l by Option: D (C) Fungi	(D) Prions
50.	Phycoerythrin and Floridean starch is found (A) Brown algae (B) Blue – green alg	in Option: C ae (C) Red algae	(D) Green algae
51.	Different types of respiratory organs like	gills, book gills, book	lungs and trachea are
	present in Option: A (A) Arthropods (B) Sponges	(C) Annelids	(D) Molluscs
52.	Which of the following plant is used to extra (A) Asparagus (B) Colchicum	ct Colchicine ? Option: (C) Tulip	B (D) Aloe
53.	Rows of S-shaped setae in the body of earth (A) the first, last and clitellum (C) the first segment	worm are present in all to (B) the last segment (D) the first and last	
54.	Cell theory was formulated by Option: B (A) Schleiden and Robert Brown (C) Schwann and Robert Brown	(B) Schleiden and So (D) Robert Hook and	
55.	The type of Polysaccharide present in a cotto (A) Cellulose (B) Starch	on fibre Option: A (C) Glycogen	(D) Insulin
56.	Enzyme involved in crossing over Option: (A) Endonuclease (B) Recombinase	(C) Lygase	(D) Polymerase
57.	Kranz anatomy can be seen in Option: C (A) Pea (B) Tomato	(C) Maize	(D) Potato
58.	Respiratory quotient of glucose is Option: (A) 0.9 (B) 0	(C) 1.0	(D) 0.7
59.	A person suddenly starts coughing while sy due to improper movement of Option: B (A) Neck (B) Epiglottis	CESS A	oughing would have been (D) Diaphragm
60.	Binomial nomenclature is introduced by Op (A) Bentham and Hooker (C) John Ray		

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