

KCET - BIOLOGY - 2022

VERSION CODE: B-1

Biology KCET-2022 Paper Analysis (Version Code: B-1)			
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1.	The technique advised by a doctor to overcome the problem of infertility:				
	(A) RCH	(B) MTP	(C) RTI	(D) ART	
Ans	: (D)				
2.	Amniocentesis is a pro	ocess to	2-)		
	(A) To grow cell on cu	Iture medium	(B) Determine any	disease of heart	
	(C) Determine the sex	of the foetus	(D) Know about the	e disease of brain	
Ans	: (C)				
3.	The first human like b	eing is			
	(A) Homo sapiens	(B) Homo erectus	(C) Homo menthus	(D) Homo habilis	
Ans	(D)				
4.	XO type of sex determ	nination and XY type	of sex determination	n are the examples of	
	(A) Male Homogamety		(B) Male Heterogan		
	(C) Female Homogam		(D) Female Heterog		
Ans			(b) i dilidio frecerog	, amety	
711.0					
5.	Example for Non-Men	delian disorder:			
٥.	•	(B) Haemophilia	(C) Cystic fibrosis	(D) Down's syndrome	
Δns	(A) Maiassemia	(b) Hacmophila	(C) Cystic librosis	(b) bowing syndrome	
A113.					
6.	Gynecomastia is a syr	mntom of			
0.	(A) Turner's syndrome		(B) Down's syndron	200	
	(C) Cri-du-chat dyndr		(D) Kline felter's sy		
Anc	` '	onie	(D) Killie Teiter 5 Sy	nuronie	
AIIS	: (D)				
7.	The affected male in t	ho podigroo chart is	symbolized by		
/.				(D) ()	
	(A)	(B)	(C)		
Ans	(4)				
AIIS.	(A)				
8.	The given diagram rer	procente			
ο.	The given diagram rep	oresents.	- Ul Winton		
			H1 Histone		
			DNA		
		The state of the s			
			Z		
			0		
	(A) Nucleosome	(B) Chromosome	(C) Mesosome	(D) Ribosome	
Ans:		(b) chromosome	(C) Mesosome	(D) Ribosome	
A113	(4)				
9.	Which of the following hormones is not secreted by human placenta?				
Э.		(B) hCG	(C) FSH		
A	` ,	(ט) ווכט	(C) 1311	(D) Relaxin	
Ans	(0)				

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10.	Which of the following is correctly matched?			
	(A) Bulbil – Agave		(B) Conidia – Hydra	
	(C) Spores – Sponge		(D) Gemmules - An	noeba
Ans:	(A)			
			2-)	
11.	The number of codons	s effective in coding t	wenty amino acids:	
	(A) 64	(B) 61	(C) 20	(D) 32
Ans:	(B)			
12.	Which aspect forms the	ne basis of DNA finge	r-printing?	
	(A) The satellite DNA	showing high degree	of repetition in DNA	segments.
	(B) The ratio of purine	es and pyrimidines pr	esent in DNA.	
	(C) The amount of DN			
	(D) The sequence of [ONA present in the ric	dges and grooves of	finger-prints.
Ans:	(A)			
13.	Identify the most infe		· ·	
	(A) Plasmodium falcip		(B) Plasmodium viva	
	(C) Plasmodium ovale		(D) Plasmodium ma	lariae
Ans:	(A)			
1.4	The true of earth office			
	The type of antibodies			(D) Ia E
	(A) Ig G	(B) Ig A	(C) Ig M	(D) Ig E
Ans:	(D)			
1 5	One of the side-effect	of the use of anaboli	is stancids in famales	
	(A) Cirrhosis of liver	(b) Loss of filefilory	(C) Mascullinsacion	(D) Hallucillation
Ans:	(C)			- / /
16	Which one of the follo	wing is a oniate narc	otics?	
	(A) Amphatamines			(D) Morphine
Ans:		(b) Bui bicuraces	(6) 235	(b) Horpinic
,				
17.	The large holes in 'Sw	riss – Cheese' are ma	de by a	
	(A) Bacterium produci			
	(B) Machine			
	(C) Fungus that release	ses a lot of gases dur	ing metabolic activit	ies
	(D) Bacterium that pr	1117		
Ans:				
18.	Which vitamin is incre	eased by 'LAB' in curd	1?	
	(A) Vitamin B ₁₂	(B) Vitamin C	(C) Vitamin E	(D) Vitamin B
Ans:	(A)			
19.	Enzyme which is useful	ul to remove the oily	stains in laundry?	
	(A) Amylase	(B) Renin	(C) Lipase	(D) Protease
Ans:	(C)			

20.	DNA replicates semic	onservatively was firs	st shown in		
A	(A) Plants	(B) Esherichia coli	(C) Higher animals	(D) Human cell	
Ans	: (B)				
21.	A series of experim principle with (A) Salmonella typhin		d by Frederick Grif (B) <i>Escherichia coli</i>	fith in 1928, on transforming	
	(C) Streptococcus pn		(D) Bacillus thuring		
Ans	: (C)				
	22. 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.				
Ans	: (A)				
23.	An antibiotic resistance gene in a vector usually helps in the selection of (A) Non-recombinant cells (B) Competent cells				
Ans	(C) Non-competent c : (D)	elis	(D) Transformed ce	ens	
24.	Silencing of specific r (A) ssDNA	nRNA in RNAi is by (B) SSRNA	(C) dsDNA	(D) dsRNA	
Ans	: (D)			5)/	
25.	,	ontrols,			
	(A) Root nematode		(B) Cotton bollworr	ns	
Ans	(C) Ring worm : (B)		(D) Corn borer		
26.	ADA deficiency can b	e cured by			
	(A) Kidney Transplan		(B) Bone-marrow T		
Ans	(C) Heart Transplanta : (B)	ation	(D) Liver Transplan	itation	
27.	emigration 3 and the		ation is:	lity is 24, immigration 2 and	
Ans	(A) 10 : (B)	(B) 0	(C) 27	(D) 5	
28.	The term 'Molecular S	Scissors' refers to	6/		
	(A) Restriction enzym	ne	(B) Polymerase-I		
Ans	(C) Taq polymerase : (A)		(D) Polymerase-II		

29. What does the sample of given base sequence represent?

5'- GAATTC - 3'

3'- CTTAAG - 5'

- (A) Completion of replication
- (C) Palindromic sequence

- (B) Initiator codon at 5' end
- (D) Deletion mutation

Ans: (C)

30. 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.

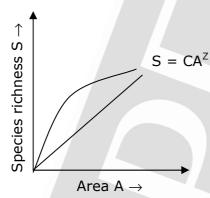
Ans: (D)

31. 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

Ans: (D)

32. The given graph represents



- (A) Population growth
- (C) Species are relationship
- (B) Enzyme activity
- (D) Growth of organisms

Ans: (C)

33. Cuscuta is an example of

- (A) Ectoparasitism
- (C) Predation

- (B) Broad Parasitism
- (D) Endoparasitism

Ans: (A)

34. 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

Ans: (B)

35. Maintenance of constant internal environment is called as

(A) Thermoregualtion

(B) Metastasis

(C) Osmoregulation

(D) Homeostasis

Ans: (D)

36. The animals which are active during day time:

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

Ans: (B)

37. Ans:	(A) Brown algae	oridean starch is found (B) Blue-green algae		(D) Green algae	
38.	Different types of respiratory organs like gills, book gills, book lungs and trachea are present in				
Ans:	(A) Arthropods	(B) Sponges	(C) Annelids	(D) Molluscs	
	Which of the following (A) Asparagus	g plant is used to extr (B) Colchicum	act Colchicine? (C) Tulip	(D) Aloe	
	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				
Ans:					
	Cell theory was formu (A) Schleiden and Ro (C) Schwann and Rob	bert Brown	(B) Schleiden and S (D) Robert Hook an		
Ans:					
	(A) Cellulose	naride present in a cot (B) Starch	ton fibre (C) Glycogen	(D) Insulin	
Ans:					
43. Ans:	Enzyme involved in c (A) Endonuclease (B)		(C) Lygase	(D) Polymerase	
44. Ans:	Kranz anatomy can b (A) Pea (C)	e seen in (B) Tomato	(C) Maize	(D) Potato	
	Respiratory quotient	of alucose is			
Ans:	(A) 0.9	(B) 0	(C) 1.0	(D) 0.7	
46.	A person suddenly starts coughing while swallowing food. This coughing would have been				
Ans:	due to improper mov (A) Neck (B)	(B) Epiglottis	(C) Tongue	(D) Diaphragm	
47.			(B) Carolus Linnaeus (D) Lamarck		
Ans:					
	(A) Virus	ncephalopathy is cause (B) Viroids	ed by (C) Fungi	(D) Prions	
	Ans: (D)				
49. Ans:	Corpus Callosum con (A) Cerebrum and ce (D) Spinal cord with t (D)	rebellum	(B) Two lobes of cer (D) Two cerebral he		

50. Ans:	Menstrual cycle is ext (A) Apes (A)	nibited by: (B) Cow	(C) Tiger	(D) Rat
	An example of dioecid (A) Mango (C)	ous plant : (B) Cucurbita	(C) Papaya	(D) Coconut
	Stalk of the Stamen i (A) Petiole (B)	s: (B) Filament	(C) Peduncle	(D) Pedicel
	The ovule of angiospe (A) Megaspore mothe (C) Megaspore (B)		wn as : (B) Megasporangiur (D) Megasporophyll	
	Typical mature embry (A) 7 nucleated 8 cell (C) 8 nucleated 1 cell (D)	ed structure	(B) 8 nucleated 8 ce (D) 8 nucleated 7 ce	
	King Herold's near de (A) Maize	ad sea.	covered during the a	rcheological excavation at (D) Phoenix dactylifera
56.	The testis are situated (A) Maintain the low to (C) Regulates harmon	temperature	nal cavity in scortum (B) Store sperm (D) Release sperm	as it helps to
57. Ans:	Identify the odd one to (A) Infundibulum (D)		(C) Isthamus	(D) Labia minora
	head is observed? (A) 5 th month		ements of foetus and (C) 8 th month	I appearance of hair on its (D) 4 th month
	The most abundant ty (A) Eosinophils (D)	ype of WBC cells (B) Basophils	(C) Monocytes	(D) Neutrophils
	Filtration of blood dur (A) Collecting duct (C)	ring urine formation to (B) DCT	akes place in (C) Glomerulus	(D) PCT
			5	