LHR-I-21

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(Academic Sessions 2017 - 2019 to 2019 - 2021)

BIOLOGY

Q.PAPER - II (Objective Type)

221-(INTER PART - II)

GROUP - II

Time Allowed: 20 Minutes

Maximum Marks: 17

PAPER CODE = 8464

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question

	two of more choices will result in zero mark in that question.
1-1	The part of the brain which is best developed in birds:
	(A) Cerebellum (B) Medulla (C) Hippocampus (D) Pons
2	If the centromere is located in the middle of the chromosome it is called:
	(A) Metacentric (B) Sub metacentric (C) Telocentric (D) Acrocentric
3	The actual remains or traces of organisms that lived in the ancient geological times are
	called:
	(A) Analogous organs (B) Homologous organs
	(C) Vestigial organs (D) Fossils
4	The rain fall less than 25 to 50 cm is found in:
	(A) Desert (B) Grassland (C) Temperate deciduous forest (D) Tropical rain forest
5	The blood passing through glomerulus is filtered into:
	(A) Bowman's capsule (B) Ureter (C) Bladder (D) Urethra
6	The Ginkgo plant is:
	(A) Monoecious (B) Dioecious (C) Friecious (D) Polyecious
7	In plant cell turgor pressure is generated by :
	(A) Cell wall (B) Cell membrane (C) Mitochondria (D) Vacuole
8	XYY condition is found in:
	(A) Patau (B) Edward (C) Turner (D) Jacobs
9	In Pakistan grassland ecosystem is found in :
	(A) Kara Koram (B) Shogran (C) Malam Jabba (D) North Kallat
10	In the development of chick the 24 hours embryo is called:
	(A) Morulla (B) Gastrula (C) Blastula (D) Neurula
11	The hormone which actively transport water from filtrate in collecting tubules back to
	kidney is .
12	(A) Aldosterone (B) ADH (C) Testosteron (D) Oxytocine
12	Healing of fracture and repair of the skin wound is example of:
13	(A) Meiosis (B) Regeneration (C) Development (D) Necrosis
13	The follicle cells after release of the egg are modified to form special structure called:
14	(A) Follicle atresia (B) Corpus luteum (C) Uterus (D) Placenta
14	The stage which may lasts for days, weeks or even years is:
15	(A) Leptotene (B) Zygotene (C) Pachytene (D) Diplotene
15	Which one of the following is a facial bone:
16	(A) Frontal (B) Occipital (C) Vomer (D) Sternum
16	The patients lack a gene that code for trans-membrane carrier of the chloride ions:
17	(A) Cancer (B) ADA (C) SCID (D) Cystic fibrosis
17	Which of the following is biotic factor:
	(A) Topography (B) Gravity (C) Soil energy (D) Decomposers

229-221-II-(Objective Type)- 5000 (8464)

LHR-X-21

140			(To be filled in by the candidate)					
		(Academic Sessions 2017 - 2019 to 2019 - 2021)						
		LOGY 221-(INTER PART – II)	Time Allowed: 2.40 hou	rs				
	PAPE	ER – II (Essay Type) GROUP – II	Maximum Marks: 68					
		SECTION - I						
2		rite short answers to any EIGHT (8) questions:		1				
		Differentiate between osmoconformers and osmoregulators.						
	(ii							
	(iii	, , , , , , , , , , , , , , , , , , , ,						
	- 1	Define Herniation of disc. How is it treated?						
		Differentiate between bone and cartilage. Cive two modifications in the every electron of arthropode						
		Give two modifications in the exoskeleton of arthropods.What is seed dormancy? Write its significance.						
		Write the functions of sertoli cells and interstitial cells.						
		Characterize limnetic zone and profundal zone of fresh water lake						
		Write down the name of two dominant plants and two dominant ar						
		temperate deciduous forest.						
	(xi)	What is nutrient cycle? What is driving force behind these cycles?	?					
	(xii)	Write four effects of removal of forests.						
3	. W	rite short answers to any EIGHT (8) questions :		16				
		What condition result due to hypo and hyper function of cortical he						
		Write the actions of nicotine on nervous and circulatory system.						
	(iii)	Define imprinting with the example of precocial birds.						
	(iv)		oits.					
	(v)							
		Define linkage. Enlist linkage groups of chromosome no. 1 and 2						
	(VII)	What do you know about palindromic sequence? (five an example						
		What are protoplasts? Give scientific name of hodegradable plast	ic.					
	(ix) (x)	Give the process of coronary artery angioplasty briefly, using biote Differentiate between food chain and food web.	ennology.					
	(xi)							
	(xii)							
1								
٦.		ite short answers to any SIX (6) questions: Define apical meristem.	1	12				
		What is inhibitory effect?						
		Define transcription						
		Differentiate between beterochromatin and euchromatin.						
		What are three main components of a DNA?						
	(vi)							
	(vii)	Explain Turner's syndrome.						
((viii)	How generic drift effect gene frequency?						
	(ix)	What are homologous organs?						
		SECTION - II						
V	te :	Attempt any THREE questions.						
5.				1				
		Describe predation and parasitism with their significance.		4				
· .								
).		Write a note on sclerenchyma cells and collenchyma cells. Explain Watson and Crick Model of DNA.		4				
	Anto artis			4				
	(a)	What is resting membrane potential? How is resting membrane potential?						
	(1-)	across neurolema?		4				
		Describe the importance of forests.	**	4				
		Describe fruit set and fruit ripening in angiosperms.		4				
	(b)	What is X-linked recessive inheritance? Explain it with an example.		4				
		Describe various types of meristems.	4	4				
4	(b)	How did eukaryotes evolve from prokaryotes?		4				
		229-221-	II-(Essay Type)-20000					