

10TH SSC MCQ - CH 1 - Heredity and Evolution

DATE	:				
TIME: 30 Min					
MARKS: 30					

SEAT NO:

Note	:- 1. All Questions are compulsory. 2. Numbers on the right indicate full marks.		
Q.1		sm? numans lost their tail the above	(1)
	Ans: D		
Q.2	In terms of DNA and RNA structure, what is a nucleotide?		
	A) A nucleotide is a heterocyclic base	B) A nucleotide is a sugar molecule covalently bonded to a heterocyclic base	
	C) A nucleotide is a sugar molecule bonded to phosphate group and a heterocyclic base	D) A nucleotide is a heterocyclic base bonded to phosphate group	
	Ans: D		
Q.3	Which law of Mendel is also known as Law of purity of gametes?		
	A) Law of dominance B) Law of independer C) Law of segregation D) Law of gravitation	nt assortment	
	Ans: C		
Q.4	Who among the following first coined the term A) Wilhelm Johannsen B) Gregor Mendel C) William Bateson D) Carl Linnaeus Ans: C	"Genetics"?	(1)
Q.5	Which of the following is the vestigial organ in A) Vermiform appendix B) Cervical vertebra C) Atlas D) Soft palate Ans: A		(1)
Q.6	Who wrote the famous book the 'Origin of Spe A) Linnaeus B) Lamarck C) Wallace D) Darwin	cies'?	(1)
	Ans: D		
Q.7	Mutations are generally A) continuous variations C) not variations D) all of the above		(1)
	Ans: B		

Q.8	A sudden irreversible change that takes A) Evolution B) Mutation			(1)	
	C) Melanism Ans: B	D) Natural selection			
Q.9		ollowing are examples of	homolo	gaus arigin?	(1)
ζ	A) Wings of pig	geon and mosquito	B) Win	gs of pigeon and housefly gs of bat, housefly and butterfly	(-,
	Ans: C				
Q.10	Genetics is the	study of			(1)
	A) inheritance C) history	B) evolution D) cell structure			
	Ans: A				
Q.11	Which of the fo	ollowing is the phenotype	ratio o	f the F ₂ generation in dihybrid crosses?	(1)
	A) 1:3:1 C) 9:3:3:1	B) 1:2:1 D) 1:3:3:1			
	Ans: C				
Q.12	Which of these A) Fungi C) Protozoa	are identified to be the earth B) Cyanobacteria D) Plants	earliest	of the life forms?	(1)
	Ans: B				
Q.13	A) Dinosaurs	ollowing is the connecting B) Mammoths ryx D) Pliohippus	g link be	tween the birds and reptiles?	(1)
	Ans: C				
Q.14	Which of the following statements is are true of palaeontology?				(1)
	organic evolut			B) It does not help us to compare the 'past' with the 'present'	
	C) It helps us t formation of a	o know the exact period species	of the	D) All of the above	
	Ans: C				
Q.15		ollowing statements is tru			(1)
	are selected by	y nature with favourable characte	sele rs D) C	rganisms with unfavourable characters are cted by nature rganisms with favourable and unfavourable acters are selected by man	
	Ans: A				
Q.16	Who suggested the theory that organs which are not used may eventually lose their function and may even disappear?				(1)
	A) Mendel C) Devries	B) Darwin D) Lamarck			
	Ans: D				

Q.17	In which book did Lamark publish his theory of organic evolution? A) Origin of life B) Philosophic Zoologique C) Surival of the fittest D) Struggle for existence			(1)	
	Ans: B				
Q.18	_	Lamark	g did not propose the th B) Hugo Devries D) Charles Darwin	eory of evolution?	(1)
	Ans: C				
Q.19	The fossil trilobit A) a vertebrate C) a reptile		nvertebrate		(1)
	Ans: B				
Q.20	changes	more an simpler		B) The act of special creation that brought all the organisms into this world D) Developed from organisms which arose from chemical reactions in the ocean	(1)
	Ans: A			nom enemical reactions in the occur	
Q.21	Art of writing was invented around years ago.			(1)	
`	A) 5000 E	3) 500 D) 5	, ca., ca., a , ca., c		,
	Ans: A				
Q.22	A) Appendix E	•	dicates that man and ch	impanzee are connected?	(1)
Q.23	Transcription use A) Antisense DNA B) RNA strand		_ as template strand.		(1)
	Ans: A				
Q.24	Which of the follows: A) Neanderthals C) Dryopithecus	B) Ra	ere closer to Cro-Magno mapithecus Istralopithecus	n man?	(1)
	Ans: A				
Q.25	A) Triplet codon B) Genes	acid cor	nsists of three nucleotic	es, known as	(1)
	Ans: A				

Q.26	Dinosaurs got extinct due to		
	A) Pollution B) meteorite crashing		
	C) over population		
	Ans: B		
Q.27	Fossils of reptiles are seen in era.		
	A) Cenozoic B) Mesozoic		
	C) Paleozoic		
	Ans: A		
Q.28	Which of the following evidence of evolution is associated with fossils?		
	A) Embryological B) Paleontological		
	C) Anatomical D) Morphological		
	Ans: B		
Q.29	Which of the following scientist proposed theory of "Inheritance of acquired characters"?		
	A) Darwin B) Lamarck		
	C) Willard D) Donald		
	Ans: B		
Q.30	Which enzyme is used in the process of transcription?		
	A) DNA polymerase B) RNA polymerase		
	C) Both (a) and (b) D) None of these		
	Ans: B		