Half Yearly Examination-2014-15

Class - XI Subject - Biology (044)

Time: 2 hrs.

M. M.: 35

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Not	te :- Attempt all questions. Marks are	indicated against each quarti-	
Ger			itanberisey sign
	(i) Question numbers 1 to 3 are o (ii) Question numbers 4 to 6 are o	f 1 mark each, answer them in few work f 2 marks each, answer them in 20-30 v	ds or one sentence each.
	(iii) Question numbers 7 to 12 are	of 3 marks each, answer them in 20-30 vor 3 marks each, answer them in 30-40 e of 4 marks each, answer them in 80 wo	vords each.
Q.1.	What is Quiescent phase (Go) o	of cell cycle ?	ords each.
Q.2.	What type of modification is for		(1)
0.3	(a) stem of potato	b) roots in mangrove	(½+½)
Q.3.	Name the group of animals which	ch have the following characteristics-	
	Jystelli.	B origination	
	(b) Exoskeleton made up of chitin		
Q.4.	Give four important characterist	ics of prokaryotic and a	(1/2+1/2)
Q.5.	Give the anatomical differences is	between monocot root and dicot root.	(2)
Q.6.	Name the steer of the	between monocot root and dicot root.	(2)
	(a) Chromosomos are manufactured at w	which one of the following events occur	r: (2)
			(2)
	(b) Pairing between homologous chro	omosomes take place.	
((c) Centromere spilit and chromatids d) Crossing over between beauty	separate.	
	d) Crossing over between homologo	us chromosomes takes place.	**************************************
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Q.7.	La diagram showing L.S of a mo	onocotyledonous seed and label any for	Ir parts in it correctly
Q.7.	function of penhadia are for	ound in the earthworm based on their l	Ocation 2 What is all
	and of hephridia?		
	Draw a diagram showing at	OR	(3)
Q.8. (a	South a diagram showing alimentar	y canal of cockroach label any six parts	in it correctly
(b)	Cell is the basic unit of life. Discuss Multicellular organisms have divisio	in hrief	it correctly.
Q.9.	What is the significance	of labour. Explain.	
	of meiosis?	? Distinguish between anaphase of mit	osis and anaphase I
Q.10.			(3)
(a)	Describe the functions of each one of Nucleus (b) Mitochondria		
77a S 85	Nucleus (b) Mitochondria	(c) Centrosome	(3)
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Q.11. /	"All vertebrates are chordates but all chordates are not vertebrates". Justify the statement. What is the importance of air bladder in Pisces.		
Q.12.	Define the following terms: a) actinomorphic (b) Superior ovary (c) epiketalous stamens		
Q.13.	What is stomatal apparatus? Explain the structure of stomata wit a labelled diagram. Explain two important functions which are performed by stomata in plants.		
Q.14.	Differentiate between open circulatory system & closed circulatory system. Mention briefly about the circulatory system of earthworm. (4)		
	OR .		
	What is placentation? Describe any three types of placentation found in flowering plants with the help of diagrams & give one example in each case.		