H.P. BOSE

Sample Paper

Session-2021-22

Second Terminal Exam 2022

Biology

Class: XI Time:3 Hrs M.M.: 50 **Section-A** DNA synthesis on replication takes place in 1. a) G₁ phase b) S phase d) G₀ phase c) G, phase 2. The chromosomes are arranged in the equatorial plate in a) prophase b) metaphase c) Anaphase d) telophase No. of haploid cells formed after meiosis are 3. a) Two b) Three c) Four d) Five 4. The law of limiting factor was given by a) Calvin b) Kreb c) Blackman d) Mendel 5. Which plant hormone is also known as stress hormone? b) Cytokinin's a) Auxin c) Ethylene d) Absicic Acid

6.	Fruit ripening is promoted by				
	a) Nitrogen	b) CO ₂			
	c) SO ₂	d) Ethylene			
7.	In C ₄ plants Calvin cycle occurs in				
	a) Mesophyll Cells		b) Epiderm	al Cells	
	c) Bundle-Sheeth Cells		d) None of the above		
8.	Election transport system is present in				
	a) Outer mitochondrial membrane				
	b) Inner mitochondrial membrane				
	c) Matrix				
	d) Stroma				
9.	Lungs are covered by				
	a) Pleural membran	e	b) Peritoniu	ım	
	c) Pericardium		d) None of	the above	
10.	The entry of food into respiratory passage is prevented by				
	a) pharynx		b) Larynx		
	c) glottis		d) Epiglotti	S	
11.	The instrument used to measure volume of air involved in breathing movement is called				
	a) Sphygnmanomete	er	b) Stethosco	ope	
	c) Anemometer		d) Spiromet	ter	

12.	Volume of air inspire	ed or expired during a normal respiration is		
	a) 500 ml	b) 1000 ml		
	c) 1500 ml	d) 1800 ml		
13.	Persons with AB blood group are called			
	a) Anemic	b) Universal donor		
	c) Universal recepie	nt d) None of the above		
14.	Flame cells are excretory structures in			
	a) Platyhelminthes	b) Annelids		
	c) Arthropoda	d) Mollusca		
15.	PH of human urine is			
	a) 6	b) 8		
	c) 10	d) 12		
16.	ADH of vosopressin is produced from gland			
	a) pituitary	b) hypothalamus		
	c) kidney	d) pancreas		
17.	Human is			
	a) Ammonotelic	b) Ureotelic		
	c) Uricotelic	d) Both a and b.		
18.	Troponin is a part of			
	a) Actin	b) Myosin		
	c) Collagen	d) None of the above		

19.	Chemicals released a	t the synaptic junction are	
	a) hormones	b) enzymes	
	c) Neurotransmitters	d) None of the above	
20.	Hormone responsible	for sleep awake cycle is	
	a) Epinephrine	b) Gastrin	
	c) Insulin	d) Melatonin	
21.	Write four physiolog	ical effects of Auxins?	2
22.	What is Oxidative pl	nosphorylation?	2
23.	What is oxgen disso	ciation curve?	2
24.	Draw a well labelled	diagram of human nephron?	2
25.	What is muscle fatig	ue.	2
		or	
	Write two difference fibres.	s between red muscle and white mus	scle
26.	What are cranial me	nninges. Name them.	2
27.	Match the following:		
	A	В	
a)	T_4	Hypothalamus	
b)	PTH	Thyroid	
c)	GnRH	pituitary	
d)	LH	Para thyroid	
		or	
	What are neurotransi	nitters. Name any one.	

28.	Draw a well labelled diagram of citric acid cycle.			
	or			
	Write three differences between Aerobic respiration a fermentation.	and		
29.	Draw well labelled diagram of metaphase and Anaphase mitosis in animal cell.	of 3		
30.	Draw a well labelled diagram of non-cyc photophosphorylation.	lic 5		
	or			
	a) Draw a well labelled diagram of chloroplast.	2		
	b) C ₄ plants have a special leaf anatomy name it?	1		
	c) Differentiate between C ₃ and C ₄ plants.			
31.	a) What is double circulation?	3		
	b) Draw a well labelled diagram of human heart.			
	c) Name the instrument used to measure blood pressure.	1		