Q. P. Code: 19673

Time: 03 Hours Marks: 100

Please check whether you have got the right question paper.

N.b.

- 1. All questions are compulsory and carry equal marks.
- 2. Figures to right indicate full marks.
- 3. Draw neat labeled diagrams wherever necessary.
- 4. Attempt the questions in order.

Q.1	A) a) b)	Gastrovascular cavity is present in (Amoeba, Hydra, Earthworm)			05	
	c)	is belongs to class arachnida.				
		(Earthworm, Pigeon, Spider)				
	d)	Pace maker of heart of man is				
		(S. A. Node, A. V. Node, Purkinje fibres)				
	e)) are primitive neurons with cytoplasmic processes. (Apolar, Multipolar, Bipolar)				
		(Apolai, Multipolai, Dipolai)				
	B)	B) Match the columns I and II and rewrite				
	•	Column		Column II		
	a)	Respiration	i.	Gizzard		
	b)	Shrak	iio	Flame cells		
	c)	Amoeba	iii.	Book lungs		
	d)	Excretion	J	Two chambered heart		
	e)	Crushing of food.		Sol gel theory		
	(C)	State whether True or False			05	
5	a)	The heterotrophs are unable to manufacture their own food.				
755 T	b)	Amoeba is multicellular organism with digestive tract.				
	(c)	Lymph is clear watery fluid found in the lymphatic vessel.				
	d) Caudal fin is the paired fin					
	e)	Growth phase is longer in oogenesis compared to the corresponding spermatogenesis.				
3000	D)	-2/ 5/ 1/ 1/ 6/ 1/ 1/ 6/ 6/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/				
	a)	Parasitic nutrition.				
	b)	Haemopoiesis.				
	်င)	2 267 CT 04 291 O(2) 20 (C (2) 2)				
	d)	Irritability.				
	e)	Budding.				
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Q.2	A)	Describe Gastrovascular cavity in <i>Hydra</i> .	10				
	۸۱	OR Describe the abusinless of using formation in man					
	A)	Describe the physiology of urine formation in man.					
	B)	Explain any two from the following.					
	a)	Types of nutrition.	25-67				
	b)	Ruminant stomach.					
	c)	Contractile vacuole in amoeba.	S 2 4				
	d)	Principal nitrogenous excretory products.					
Q.3	A)	Describe physiology of respiration in man.	10				
		OR SOCIETY OF SOCIETY					
	A)	Describe types of blood vascular system.					
	B)	Explain any two from the following.					
	a)	Gills of Labeo rohita.	37				
	b)	Respiratory organ of Pigeon.					
	c)	Granulocytes and Agranulocytes.					
	d)	Purkinje fibres.					
Q.4	A)	Describe types of fins of fishes.	10				
		A B B B C C S S E OR S S S S S S S S S S S S S S S S S S					
	A)	What is reproduction? Describe asexual reproduction. (Any three types)					
	B)	Explain any two from the following.	10				
	a)	Nerve net in <i>Hydra</i> .					
	b)	Types of neurons on the basis of structure.					
	c)	Structure of human egg.					
	d)	Oviparity, Viviparity and Ovoparity.					
Q.5	3	Write short notes on any four	20				
	a)	Food vacuole in <i>Amoeba</i> .					
	b)	Heart of cockroach.					
	(2)	Tube feet in Starfish					
	d)	Structure of sperm					
	e)	Types of fertilization.					
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