Inter (Part-1)-A-2018

RollNo.

(To be filled in by candidate)

Paper Code

Sessions;2015-2017,2016-2018 & 2017-2019

Biology	(Objective	Type)
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Time: 20 Minutes

Marks: 17

NOTE: Write answers to the questions on the objective answer sheet provided. Four possible answers A,B,C and D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

		0		7	
1.1.	Which one is a trace element		(C) Zinc	(D) Phosphorus	
	(A) Calcium	(B) Chlorine			
2.	Keratin is an example of Fibro	ous protein present in.	(C) Bones	(D) Nail and Hair	
	(A) Blood	(B) Muscle	(C) Dolles		
3.	The detachable co-factor of a	an enzyme is known as:	(C) Co-enzyme	(D) Apo-enzyme	
	(A) Activator	(B) Prosthetic group	(C) CO-enzyme	~	
4.	Tay-sach's disease results di	ue to accumulation of:	(C) Glucose	(D) DNA	
	(A) Proteins	(B) Lipids	(C) Glucose		
5.	The infectious proteins are:		(O) Driens	(D) Peptones	
	(A) Viruses	(B) Virions	(C) Prions	(b) Toptomes	
6.	. Reserve food material in cya	nobacteria is:	(0) 5-4-	(D) Glycerol	
	(A) Starch	(B) Glycogen	(C) Fats	(b) Ciyocici	
7	. The feeding stage of slime r	nold is called:	(a) Endontorio	(D) Seizing	
(A) Plasmodium		(B) Pseudopodium	(C) Endocytosis	( <b>D</b> ) 33121119	
8	. The most common rust fung	gi are:	(a) V ===1	(D) Penicillium	
	(A) Ustilago	(B) Puccinia	(C) Yeast	(5) 1 5111511151	
9	<ol> <li>Living genus of psilopsida is</li> </ol>	5.	(a) Hamaanhutan	(D) Psilotum	
	(A) Cooksonia	(B) Psilophyton	(C) Horneophyton	(D) I one term	
1	<ol> <li>Portugues man of war is the</li> </ol>	e name used for:	(O) Headara	(D) Aurelia	
	(A) Physalia	(B) Obelia	(C) Hydra	(D) Autona	
	. The largest invertebrate an	imal is:	(C) Ciant Cauld	(D) Octopus	
-	(A) Dogfish	(B) Cuttle fish	(C) Giant Squid	(b) compas	
	2. The first step in Krebs cycle	e is the union of acetyle CC	A with oxaloacetate to form.	(D) Malate	
	(A) Isocitrate	(B) $\alpha$ -Ketoglutarate	(C) Citrate	(D) Maiate	
,	3. Plastocyanin protein conta	ins:	(O) Managaium	(D) Potassium	
	(A) Iron	(B) Copper	(C) Magnessium	(2)	
	14. Hepatic and pancreatic se	cretions are stimulated by a	harmone called:	(D) Parietal	
	(A) Secretin	(B) Gastrin	(C) Zymogen	(2)	
	15. The number of air sacs in		(0) 00	<b>(D)</b> 09	
	(A) 06	<b>(B)</b> 07	<b>(C)</b> 08	(2) 00	
	16. Guttation occurs in plants	through:	(0) 1 610	(D) Stomata	
	(A) Cuticle	(B) Hydathodes	(C) Lenticels	(=)	
	17. Discharge of Blood from b	blood vessel is called as:	(O) Thurmphosis	(D) Haemorrhage	
	(A) Stroke	(B) Heart attack	(C) Thromobosis	(5)	
		825	6-011-A-☆		



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## Sessions;2015-2017,2016-2018 & 2017-2019

Biology (Essay Type) Marks: 68 Time: 2:40 Hours 2x22=44 Section - I 2x8=16 Write short answers of any eight parts from the following. Define activators. Give examples. i. Differentiate between amylose and amylopectin starches. What are competitive inhibitors? iii. Define active site and also mention its sites. vi. What are toad stools? Give examples v. Define aflatoxins. viii. Write down four harmful effects of insects. vii. What is madreporite? Give its function. Write down economic importance of sharks. ix. Differentiate between polyps and medusec xii. Define calvin cycle. Where does it occur. xi. What are the products of light reaction of photosynthesis? 3. Write short answers of any eight parts from the following. Differentiate between population and community. i. What is meant by integrated disease management? What is Tay-sach's disease? iii. Differentiate between microtubules and microfilaments. vi. What are choanoflagellates? v. Write two characters of zooflagellates. viii. Write two characters of water molds. vii. What is the evolutionary significance of euglenoids? Define double fertilization. ix. Write two scientific names of plants belonging to family solanaceae. xii, What do you mean by blue babies? xi. What is meant by systemic circulation? 2x6=12 4. Write short answers of any six parts from the following. ii. What are the rules of binomial nomenclature? i. What are chemosynthatic bacteria? Give their function. iv. What are fluid feeders? Give their example. iii. What is chlorosis? Give their causes. vi. Differetiate between diaphram and pleura. What are nematocytes? Give their function. viii. What is emphysema? Write their causes. vii. What is composition of exhaled air and inhaled air? ix. How pH and temperature effect capacity of haemoglobin to combine with oxygen? Section - II 8x3=24

NO	TE:	Answer any three questions from the foll	owi	ng.	4	
		a) Explain organ and system and individual level of biological organization.				
	(b)	(b) Transpiration is a necessary evil. Comment.				
6.	(a)	What is RNA? Discuss its types.	(b)	Discuss the role of large intestine in human digestion.	4+4=8	
7	(a)	Write a note on mitochondria.	(b)	What is the role of water in photosynthesis?	4+4=8	
8.		Describe the life cycle of bacteriophage.	(b)	Write down the economic importance of family rosacea	e. <b>4+4=8</b>	
9.		Give the economic losses due to fungi.	(b)	Write physical and chemical methods to control bacteria	a. 4+4=8	
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