541

Biology (New Scheme)

(INTERMEDIATE PART-I) (III)

Marks: 17

OBJECTIVE Time: 20 Minutes

Code: 6465

					Code: 04	103	ID The sho	ice which	h		
No	te:	You have fo	our choices fo	r each obje	ctive type questi	ion as A, I	B, C and D. The cho	nce wind	all the		
Note:		You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.									
		circles. Cut	ting or filling	two or mo	re circles will re	sult in zer	ro mark in that quest	1011.			
1-	1.	The rhizome in adjantum is protected by				(D)	stomium				
			amenta	(B)	fronds	(C)	stipe	(D)			
	2.		invertebrate	animal is				(D)	dragon fly		
			whale	(B)	squid	(C)	octopus	(D)	,		
	3.		of sponges c	onsists of			1 - Inditon	(D) z	ooplankton		
			ital organic n		3) algae	(C)	phytoplankton	(D)			
	4.	Chlorophy	ll a is			(0)	orange – green	(D)	blue – green		
			red - green		ellow – green	(C)	orange - green	(-,			
	5.	Taste buds	of tongue p	lay importa	ant role in food:	(C)	lubrication	(D)	mastication		
		(A)	digestion	(B)	selection	(C)		trum :	. >		
	6.	When equa	al intensities		given more pho	(C)	is takes place in spec red	(D)	green		
		(A)	blue	(B)	orange		100	100			
	7.	Of the total	l volume of l		ces may compris	(C)	10 %	(D)	30 %		
		(A) 40 % (B) 20 % (C) 10 % (D) 30 70 A substance produced by basophils and inhabits blood clotting:									
	8.	A substan	ce produced b		s and inhabits bi	(C)	interferon	(D)	heparin		
		(A) fibrinogen (B) histamine (C) interreton (D) in the control of									
	9.	. Cavum v	enosum and c	avum puli	nonale are pocke	(C)	reptiles	(D)	fish		
		(A)	birds	(B)	mammals						
	10). In human		1 %	(D)	10 %					
		(A)	2 %	(B)	3 %	(C)					
	11		e serves to bu		Starch	(C)	Glucose	(D)	Keratin		
		(A)	ATP	(B)		(-)					
	12	2. Optimum	pH for catal	ase is:	9.70	(C)	5.50	(D)	6.70		
		(A)	7.60	(B)	-19	rof					
	1.	3. Integratio	on of cellular	comparun	ents is a function B) microfilan	ent (C)	microtubules	(D) centrioles			
			termediate fil		B) IIIIe						
	1		te is a bacteri		Anaerobic	((C) Facultative	(D)	Microaerophilic		
		(A)	Aerobic	(B)	Anaciosic						
	1	15. Hepatitis C is caused by virus: (A) DNA- non enveloped (B) DNA enveloped (C) RNA non enveloped (D) RNA enveloped) RNA enveloped			
		(A) DNA- non enveloped (B) DNA enveloped									
	1				Diatoms	(C)	Green algae	(D	Brown algae		
		(A)	Red algae	(B)	Diacomo	1					
	1		albicans is a		Rust	(C)	Yeast	(D)	Morel		
		(A)	Smut	(B)		, ,					

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		n-II No	Annual 2019		
Ş		Roll No	Paper : I		
Biology	(New Scheme)	(INTERMEDIATE PART - I)	Marks: 68		
Time: 2	: 40 Hours	SUBJECTIVE			
	To a	ry. Attempt any three (3) questions from Section (Section - I)	on II.		
Note:- S	Section I is compulso	(Section - I)			
		()	$8 \times 2 = 16$		
2. W	vrite short answer	s to any Eight Parts.			
i.	What are terpenoids	ence between prosthetic group and coenzyme	?		
ii.	What is the difference	ence between prosume of			
iii.	Differentiate between	veen binding site and catalytic site.	,		
iv.		aracteristics of enzymes.			
v.	What are haustor				
vi.	Define parasexu	ality.			
vii.	What are pseudo	coelomates.			
viii.	. Differentiate bet	ween budding and gemmules.			
ix.	. What is radula?		r		
X.	. Define mantle.	and action spectru	m.		
xi	. Differentiate bet	ween absorption spectrum and action spectrum	•		
xi	: What is porphyr	in ring?	$(8 \times 2 = 16)$		
3.	Write short a	nswers to any Eight parts.	`		
j.	What is integral	ted disease management.			
	. Name the four	geological eras of history of earth.			
	ii Differentiate be	etween chromoplast and leucoplast.			
			resemble?		
		and agellates? To which cells of sponges and	os.		
	Give four cha	racteristics of dinoflagenates with commer	cs.		
	What are anice	omplexans? How do they move?			
		significance of engleholds.	:10		
	· Weite names (of two extinct and two living memoers of particular	opsida.		
	ix. Write names C	between homospory and heterospory.			
		transpiration?			
	xi. How guttation	between systemic circulation and pulmonary	circulation.		
	xii. Differentiate	Detricon of -	$(6 \times 2 = 12)$		

(Turn Over)

Write short answers to any Six parts.

iii. How selection of food takes place by oral cavity?

v. Write down the role of secretin in digestion. vi. Define photorespiration and its consequences.

i. What are mumps and measles?

iv. What are fluid feeders?

ii. How respiration occurs in bacteria?

4.

- vii. Give four (04) properties of respiratory surfaces in animals.
- viii. What is larynx or voice box?
- ix. What are the symptoms of Asthma?

(Section - II)

Note:- Attempt any three (3) questions from Section II. $(4+4 \times 3 = 24)$

- 5. (a) Describe organ and organ system level of biological organization.
 - (b) Define cardiac cycle? Write its three phases.
- 6. (a) Write note on various types of RNAs.
 - (b) Explain land adaptations in Fungi.
- 7. (a) Write down the characteristics and economic importance of cyanobacteria.
 - (b) How Bryophytes have adapted themselves to land habitat.
- 8. (a) Explain five kingdom system of Robert Whittaker and its modification.
 - (b) Draw and explain Calvin cycle.
- 9. (a) Describe structure and function of plasma membrane.
 - (b) What are heterotrophs? Give methods of animal nutrition.

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