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A	FIRST REVISION TEST - 202	Register Number
	XI - BIOLO	GY
Tim	ne Allowed : 3.00 Hours	Maximum Marks : 70
NOTE	Part - II (Bio - Zoology) in seperate ans	form the Hall Supervisor immediately. Sotany) & swer - books.
	PART-I (BIO - BO	
	(MARKS :35)	
Note	SECTION - 1	
VOLE	e: i) Answer all the questions ii) Choose the most appropriate answ	ver from the given four alternatives
	and write the option code and the c	orresponding answer. (8×1=8)
1.	Phylogenetic classification is the most favoured of	classification because it reflects
	a) Comparative anatomy b) Number of	flowers produced
2.	c) Comparative cytology d) Evolutionar	y relationship
۷.	In meiosis, crossing over is initiated at	N 7
3.	a) Diplotene b) Pachytene c) Leptotene Proteins make up of total dry mass of	a) Zygotene
	a) 1/3 b) 2/3 c) 1/4	d) 2/5
4.	The common light microscope which has many	lenses are called as
	a) Compound microscope b) Brig	ht field microscope
_	C/ Election microscope — — — — — — — — — — — — — — — — — — —	nsmission electron microscope
5.	Flower is said to be when it contains al	I four whorls
6.	a) Complete b) Incomplete c) Bisexual	
J.	The correct statement regarding Blue green alg a) lack of motile structures	
	c) absence of mucilage around the thallus	b) presence of cellulose in cell wall d) presence of floridean starch
7.	Which of the following represents gametophytic	generation in pteridophytes?
	a) Prothallus b) Thallus c) Con	
8.	The leaf becomes modified into a pitcher in	
	a) Utricularia b) Bryophyllum c) Nep	
Vote	SECTION - I e: Answer any four questions.	(4x2=8)
).	Give the merits of five kingdom classification.	(422-8)
0.	What is plectostele? Give an example.	
1.	What is Phyllotaxy?	
.2.	Give the technical terms for the following:	
		nited in one bunch
13.	Write any two functions of cell wall.	
l4.	What is Synapsis? SECTION - II	т
Joto	e : Answer any three questions. Question Nu	
15.	Compare sympodial branching with monopodia	
6.	Draw the floral diagram of Hibiscus rosa-sinensis	and add floral formula.
7.	Describe the structure of polytene chromosome	s with a suitable diagram.
. 8.	Differentiate between Karyokinesis and Cytokine	esis.
19.	Write the properties of Enzyme.	
4	SECTION - I	V <i>(2x5=10</i>)
<i>Ans</i> i 20.	wer all the questions.	(OR)
٢٠,	a) Discuss on five kingdom classification.b) Give the floral characters of Datura metel	• •
21.	a) Write about Pachytene and Diplotene of	(0.7)
	b) List out any ten general characteristic fea	F F
	•	
	11 - Biology - 1	Al

PART-II (BIO - ZOOLOGY)

/MARKS : 35)

(MAKKS:	33
SECTION	- 3

Answer all the questions. Note: i)

(8x1=8)

- Choose the most suitable answer from the given four alternatives and write the option code and the corresponding answer.
- Assertion(A): Extremophiles are euakaryotes, capable of growing in extreme conditions like hot springs.

Reason (R): They are able to get oxygen from hot water

- a) Both (A) and (R) true, (R) explains (A)
- b) Both (A) and (R) true, but (R) does not explain (A)
- c) (A) is true but (R) is false
- d) Both (A) and (R) are false
- Find out the true statement from the following: 2.
 - a) Round worms are acoelomates
- b) Earthworms are pseudocoelomates
- c) Arthropods are eucoelomates d) Molluscs are enterocoelomates Which one of the following groups, is having bioluminescence ability?
- a) Aschelminthes b) Platyhelminthes
- c) Annelids

d) Ctenophores

- The ciliated epithelium lines the 4.
 - a) skin

3.

- b) digestive tract
- c) gall bladder
- d) trachea

- Sexually, earthworms are 5.
 - a) Sexes are separate

- b) Hermaphroditic but not self-fertilizing
- c) Hermaphroditic and self-fertilizing d) Parthenogentic
- Which one is incorrectly matched? 6.
 - a) Pepsin-stomach b) Renin-liver
- c) Trypsin-intestine
- d) Ptyalin-mouth
- Which one of the following digested foods, is absorbed from the intestine by facilitated 7. transport method?
- a) Fatty acids b) Fructose 8. What type of risk, scuba divers are facing?
 - c) Water
- d) Vitamins

a) nitrogen narcosis

b) emphysema

c) bronchitis

d) allergy

SECTION - II

Answer any four of the following questions. Note:

(4x2=8)

- 9. Define Species.
- 10. What is metamerism?
- Differentiate white adipose tissue from brown adipose tissue. 11.
- Write the types of respiration seen in frog. 12.
- Find out BMI for an adult, whose height is 173 cm and his weight is 79kg. 13.
- What is methaemoglobin? 14.

SECTION - III

Note : Answer any three of the following questions. Question no. 19 is compulsory.

Differentiate probiotics from pathogenic bacteria.

(3x3=9)

- 15. 16. Write a note on metagenesis of cnidarians.
- 17. What are the components of blood of frog?
- Bile juice contains no digestive enzymes, yet it is important for digestion. Why? 18.
- RBCs alone carry O₂ from lungs to tissues. But RBCs alone do not carry the total 19. amount of CO₂ produced from tissues to lungs. Explain. Why?

SECTION - IV

Answer all the questions. Draw diagrams wherever necessary.

(2x5=10)

- List the characteristic features of the phylum: Arthropoda. 20. a.
 - Explainthe male reproductive system of frog with the help of diagram. b.
- Explain the role of succus entericus in digestion. (OR) 21. a.
 - Explain the mechanisms of inspiration and expiration. b.