(A) gymnosperms

(INTER PART - I) 318 - (II)

Paper - I

Marks: 17

ime: 20 Minutes

OBJECTIVE

Code: 6463

				. 0 .00			
	You have four choices for e fill that circle in front of that circles will result in zero ma paper and leave others bla	questic ark in th	on number. Use marl	ker or pe	en to fill the circles. (Cutting or filling two	or more
. 1-	Pseudocoelom is characteristic feature of phylum						
	(A) nematoda	(B)	echinodermata	(C)	mollusca	(D) annelida	
2 -	Histoplasmosis is a						
	(A) heart disease	(B)	kidney disease	(C)	lungs disease	(D) liver dise	ase
3 -	Conjugation in bacteria is promoted by						
	(A) flagella	(B)	pili	(C)	cilia	(D) gametes	
4 -	Casparian strips are present in						
	(A) epidermis	(B)	endodermis	(C)	cortex	(D) pericycle	;
5 -	Most abundant carbohydrate in nature is						
	(A) starch	(B)	glycogen	(C)	cellulose	(D) agar	
6 -	One complete heart cycle lasts for about						
	(A) 0.2 sec	(B)	0.5 sec	(C)	0.8 sec	(D) 1.0 sec	
7 -	In earthworm exchange of gases mainly takes place through						
	(A) gills	(B)	lungs	(C)	skin	(D) ostia	
8 -	Number of chloroplasts in each mesophyll cell is about						
	(A) 70 - 100	(B)	10 - 200	(C)	20 - 100	(D) 20 - 200	
9 -	Which of the following is a motile coelenterate?						
	(A) hydra	(B)	obelia colony	(C)	jelly fish	(D) corals	
10 -	Study of social behaviour of human is called						
	(A) anatomy	(B)	social biology	(C)	paleontology	(D) physiolog	gy
11 -	Poisons like cyanides, antibiotics and some drugs are examples of						
	(A) enzymes	(B)	co-enzymes	(C)	inhibitors	(D) cofactors	3
12 -	Orders include related						
	(A) families	(B)	genera	(C)	species	(D) classes	
13 -	Entamoeba histolytica causes amoebic						
	(A) cholera	(B)	fever	(C)	dysentery	(D) migrain	e
14 -	Group of ribosomes attached to mRNA molecule is						
	(A) lysosome	(B)	polysome	(C)	endosome	(D) peroxiso	me
15 -	In hydra ectodermal cells get food from endodermal cells by						
	(A) osmosis	(B)	diffusion	(C)	active transport	(D) facilitated	diffusio
	pH gradient drives the formation of ATP across membrane in the process called						
	(A) respiration		chemiosmosis		calvin cycle	(D) conducti	on
17 -	Double fertilization is	a chara	cteristic feature of				

(B) angiosperms (C) bryophytes

(D) ferns 225-(II)-318-30000 BIOLOGY (New Scheme)

(INTER PART - I) 318

Paper - I

Time: 2:40 Hours

SUBJECTIVE

Marks: 68

Note: Section I is compulsory. Attempt any three (3) questions from Section II.

(SECTION - I)

2. Write short answers to any EIGHT questions.

 $(2 \times 8 = 16)$

- i What are bioelements?
- ii Define molecular biology.
- iii What is binomial nomenclature?
- iv Give lock and key model of enzyme.
- v What is the role of enzyme concentration on the rate of enzyme action?
- vi Define competitive inhibitors.
- vii Define metamorphosis and nymph.
- viii What is haemocyanin?
 - ix Give two beneficial roles of mollusca.
 - x What are tetrapoda?
 - xi What are hyphae and mycelium?
- xii Differentiate between conidia and conidiophore.

3. Write short answers to any EIGHT questions.

 $(2 \times 8 = 16)$

- i What are plasmids?
- ii What are zooflagellates? Give one example.
- iii Define thallus.
- iv Why euglenoids have special evolutionary significance?
- v Why diatoms are important in aquatic food chains?
- vi Define kingdom plantae.
- vii What is homospory? Give one example.
- viii What is a porphyrin ring of a chlorophyll molecule?
 - ix What are cytochromes?
 - x What is a nutrient?
 - xi What is pyrosis?
- xii Define villi.

4. Write short answers to any SIX questions.

 $(2 \times 6 = 12)$

- i Differentiate between microtubules and microfilaments.
- ii What are Golgi apparatus? Give its functions.
- iii Define monosacharides with examples.
- iv What are blood platelets? Give their main function.
- v Where the human's heart is located in the body? Give names of layers that surround the heart.
- vi What are Guard cells? Give their functions.
- vii What do you mean by pulmonary respiration and cutaneous respiration?
- viii What are the symptoms of emphysema?
 - ix What are parabronchi?

Crvj-11-18