BN-IX-XIX-I PLUS BIOLOGY-9th

Note: There are three sections of this paper. Read the instructions carefully and attempt accordingly.

Time:	20 minutes		Section A			Marks: 12
1.	Attempt all question ANSWER SHEET and not attempted any o	return it t	o the Superint	endent within giv	/en time, e	even if you have
i.	Cell membrane is m A) Cellulose only E	ade of 3) Proteins	only C) Lipi	ds Only D) Lipid	s and prot	ein
ii.	During which phase					
	A) anaphase-I B)				4	•
iii.	Pepsin in the stoma	ch works l	est at a pH	A) 2 B) 3	C) 4 !	D) 5
iv.	Photosynthesis takes place in					
	A) mesophyll cells B) guard cells C) phloem cells D) all					
v.	Deficiency of magn	,				
	A) necrosis B) chlorosis C) apoptosis d) None					
vi.	Which of the following does not manufacture digestive juices?					
	A) Aesophagus	В)	Stomach	c) Pancreas	D)	Intestine
vii.	Leukaemia is a disease in which increase abnormally.					
	A) RBCs B) WBCs C) Platelets D) None of These					
viii.	Myocardial infarction	ons due to	blockage of flo	ood flow in		
• • • • • • • • • • • • • • • • • • • •	A) Aorta B) Pul			Coronary art	ery D)	hepatic artery
ix.	The group of similar individuals in an area is called a					
	A) Community	/ В) 💆	Population	c) ecos	system D)	
x.	A group of organisms that can naturally interbred and produce fertile offspring is known					
	as		``\			•
	A) family	B)	Genus C)	Species D)	taxa	
xi.	Maximum bio diversity is found in					
	A) forests	B)	grass lands	C) dese	erts D)	mountains
xii.	are colourless plastids.					
	A) Chloroplast B	s) chroi	moplast C)	leucoplast	D)	None of these

BN-IX-XIX-I BIOLOGY — 9th

Time: 2 Hours 40 Minutes

SECTION-B

Marks: 32 ·

- Attempt any eight of the following. All carry equal marks.
 - Define histology, parasitology, entomology and genetics.
 - II. Differentiate between tissues and organs.
 - ill. Write any two importance of bio-diversity.
 - v. Write a note on kingdom fungi.
 - v. What is chloroplast?
 - vi. Differentiate between simple and compound tissue.
 - vil. What is necrosis?
 - viii. Explain the "induced fit model" of enzyme action.
 - ix. What is glycolysis?
 - x. Write a note on marasmus.
 - xi. Write any four differences between xylem and phloem.

SECTION-C

Marks: 21

NOTE: Attempt any three of the following questions. All questions carry equal marks.

- 3. i. Define biophysics, biochemistry, biometry and bioeconomics.
 - ii. Explain binomial nomenclature. What are its advantages?
- 4. i. Describe connective tissues and its various types.
 - il. ' Define cell cycle and in how many phases it is divided?
- 5. I. Describe the factors which affect the enzyme activities.
 - il. Explain the dark reactions of photosynthesis process.
- 6. i. Describe the disorders of the gut.
 - II. Discuss the function of major arteries and veins