			Roll No. Of the Roll No. (in fig	e Answer Book ure)	256	-
Sup	erint	endent Scal & Signatur		ffice use only)		
			111601		FIC. No (For office	use only
otal Tir	ne: 3	Haure	BIOLOGY (Fres	h) - I		
	iere ar Iinute: Atte ever Sect	e THREE Sections of this P	- A. Section - A must oted any question. Ov be given to such answ	be return to the su erwriting/ defacing	N	larks: 18
	i.	The no; of spores prod (A) 2	uced in Ascus are		(IN) 1 C	C
•	ii,	The formula of Chlorophyll (A) C ₅₅ H ₇₂ O ₅ N ₄ Mg			(D) 16 g (D)C ₅₅ H ₇₂ O ₄ N ₄ Mg	В
	ili.	Number of DNA molecule i (A) 1			(D) 46	
	iv.	Vessels elements are presen (A) Gymnosperms	(B) Angiosperms	(C) Pteridophytes	(D) Ferns	R
	v.	Which one of the following (A) Hirudinaria	is included in Annelida(B) Sea-urchin	(C) Planaria	. (D) Sycon	
	vi.	The group of plants having (Λ) Angiosperm	(B) Pteridophyta (C) Gyr		(D) Bryophytes	C
,		In leaves of green plants, ph (A) Glyoxisome	(B) Peroxisome	(C) Lysosome	(D) Mitochondria	B
		A mino acid differ from each (A) R-group	(B)NH ₂ -group	their (C) CooH -group	(D) Both B and C	A
	ix. · x.	Which one of the following (A) Spirillum The HIV and in the Company of the Compan	(B) Bacilli	(C) S.Typhi	(D) Coccus	D
	xi,	The HIV core is made of pro (A) P ₁₇	(B) P ₂₄	(C) gp-120	(D) gp41	B
-	xii.	In aerobic respiration how m (A) 30 The site of enzyme other than	(B) 32	(C) 36	coule of glucose (D) 38	ر
		The site of enzyme other that (A) Competitive site (C) Non-competitive site	(B) Anosteric site	•	•	B
•	xiii.	Sun flower is the example of (A) Corymb		(C) Capitulum	(D) D: 1	C
•	xiv.	Which one of the following		(C) Mollusca	(D) Panicle (D) Fish	<u></u>
	ΧV	All of the following are mac (A) C		(C) Fe	(D) N	[C]
2 "	xvi.	The jejunum is roughly (A) 3-4	(B) 4-7	(C) 5-7	(D) 4-10	B
. •	xvii.	The average blood pressure i (A) 100 mm Hg	n vein is only (B) 80 mm Hg	(C) 2 mm Hg	(D) 120 mm Hg	C
	xviii,	All of the following are infla (A) Histamine	ammatory chemical Except (B) Ayil		(D) Scrotonin	В

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 40

- II. Attempt any TEN Parts out of the following. Each Part carries equal marks.
 - i. What do you know about peroxisome?
 - ii. Write a short note on waxes.
 - iii. What is prion?
 - iv. Define photorespiration and its consequences.
 - v. Explain about immunity and name its type.
 - vi. How PH of cell affect the enzyme activity.
 - vii. Write four distinguish characters of birds.
 - viii. What are the general characteristics of fungi?
 - ix. What are plasmids and what is their importance.
 - x. Explain thrombosis and embolism.
 - xi. Write short note on thigmotropism and siesmonasty.
 - xii. Write short note on function of stomach.
 - xiii. Differentiate between corymb and umbel.

<u>SECTION "C"</u>

Marks: 27

Note: Attempt any THREE questions of the following. Each question carries equal Marks.

- III. Define photosynthesis? Explain light dependent reaction in detail.
- IV. Write briefly in proteins.
- V. Describe the life cycle of Phytopthora infestan.
- VI. Write short note on any two of the following:
 - (i) Class Amphibia.
 - (ii) Liver
 - (iii) Antibody