			Reg. No.	
H	alf-yearly C	Common Exa	m., Decem	ber - 2018
XI Star	ndard]	Part-III BIO	LOGY	[Time: 2.30 Hrs
		(Maximum Ma	rks : 70)	
Note : C	fairness, infor 2) Use Blue or B	estion paper for fairner m the Hall Supervisor lack ink to write and u enswer Part-I(Bio-B - books.	immediately. Inderline and pencil	to draw diagrams.
	Part	-I (Bio-Botany)	(Marks: 35) archi
		Section	n-I	8×1 =8
1. 2. 3. 4. 5. 6.	write the optice. The integrated pha prophage by water is essential a) Angiosperms Buds arising at ara Apical bud by Flowers are zygora) Lilium by Some Ribosomes were for a) Christian de Du The function of sia Phloem parench Pulsation Theory a) J.C. Bose by Exanthema in citr	questions. ost suitable answer on code and the cor age DNA is called bacteriophage for fertilization b)Bryophytes c) ny part other than so on Axillary bud c) Ar norphic in colanum c) Datura first observed by live b) George Pa eve tubes are belied nyma b) sieve cells was proposed by or Godlewski c) So tus caused by the delanganese c) Iron	r from the given rresponding answer c)cyanophage Gymnosperms stem as known adventitious bud a d) Hibiscus lade c) A.Kollike eved to be controled to be control	four alternatives and wer. d) mycophage d)Fungi as d) Accessory bud er d) A.F.U.Schimper olled by ells d) Albuminous cells Stephen Hales
9. 10. 11. 12. 13.	What is epipetalo Write the propert	noiomerous and He bus stamens? ties of water. collateral vascular b Sap.	teromerous liche	$4 \times 2 = 8$ ens.
15. 16. 17. 18. 19. Give th 20.	What is Velamen Draw and label to What is Synapsis What is trichoplas Define respirator the answer for the formula of the Characteristic special in the Char	st? y quotient.	nestion No.18 is only le. omosome. n- IV stem. (or) example.	2×5= 10
21.	Write the flow ch	art of Glycolysis.		[P.T.O.

Section-L Note: i) Answer all the questions. Choose the most suitable answer from the given four alternatives and write the option code and the corresponding answer. The beneficial bacterias are known as a) pathogens b) probiotic c) cyanobacteria d) plasmid Find out the mismatched pair 2. keep neighbouring cells together b) Tight junction - Leakage of cellular compoi c) Synaptic junction - Junction between neurons Leakage of cellular components d) Gap junction Connect cytoplasm A B

1. Jaundice - i) Cholesterol

2. Liver cirrhoses - ii) Asprin

3. Gall stone - iii) Alcoholism

4. Peptic ulcer - iv) Viruses

a) 1 (iii) 2 (iv) 3 (i) 4 (ii)

b) 1 (iv) 2 (ii) 3 (iii) 4 (i)

c) 1 (iv) 2 (iii) 3 (i) 4 (iv)

Find out the wrong statement:

a) Prothrombin is an inactive protein b) Plasma with Shring and the statement is an inactive protein. Match the following: a) Prothrombin is an inactive protein b) Plasma with fibrinogen is called serum c) Heparin is an anticoagulant d) Thrombin convert fibrinogen into fibrin Write the correct answer Assertion: Thalamus is a white matter which act as relay centre Reason: It coordinate sensory and motor signelling

a) Both Assertion and Reason is correct
b) Both Assertion and Reason is wrong
c) Assertion is correct but Reason is wrong
d) Assertion is wrong but Reason is correct
1. The plasmamembrane of musle cell is known as sarcolemma
2. Hydrostatic skeleton is stiff body structure present in fishes 1. The plasmamembrane of musle cell is known as sarcolemma
2. Hydrostatic skeleton is stiff bony structure present in fishes
3. The Vertiebral ribs are not connected to sternum
a) 1 is correct, 2 and 3 are wrong
b) 1 and 2 is correct. 3 is wrong
c) 3 is correct, 1 and 2 are wrong
d) 1 and 3 are correct, 2 is wrong
Choose the correct statement
If the vasopressin receptor of a man is defective. Then
a) He suffer from low blood pressure and dehydration
b) Shows hyperglycemic condition
c) Excessive thirst does not occurs
d) The urea level in the urine is higher than the normal
Which of the following harmone is not secreted under the influence Which of the following harmone is not secreted under the influence of pituitary gland a) Thyroxin b) Insulin c) Oestrogen d) Glucocorticoids Section-II

Answer any four questions :
9. What are methanogens?

10. What are adipocytes? $4 \times 2 = 8$ 10. What are adipocytes?
11. What is vermicompost?
12. Why more oxygen is transported by heamoglobin than in dissolved form.
13. Draw and label reflex arc.
14. Write down any two functions of melatonin. Section-III Write any three of the following in which question No.18 is compulsory.

3×3=9

15. The first child of Rh+ive father and Rh-ive mother is homozygous recessive condition. Is the next child affected by Erythroblastocis foetalis? Give reason for your answer.

16. Name the composition of "Sebum" 17. How is mean arterial pressure increases? 18. Write any three function of C.S.F. 19. How is pelvic girdle is adapted for conception? Section-IV

Answer all the questions:

20. Explain the fundamental distinct features of chordates. (or)
Explain the digestion and absorption of proteins in human intestine.

21. What are the functions of skeletal system? (or)
Explain the disorders due to hyper and hyposecretion of glucocorticoids.