Warning:- Please, do not write anything on this question paper except your Roll No.

1221 (Inter Part-II)

(Session 2017-19 to 2019-21)

Biology (Subjective) Time Allowed: 2.40 hours

Paper (II)

Maximum Marks: 68

Section

Answer briefly any Eight parts from the followings:-

 $8 \times 2 = 16$

(i) Compare physical control system with living control system. (ii) Compare hydrophytes with mesophytes. (iii) Describe thermostat function and feed back mechanism in human. (iv) How hematoma is formed? (v) Differentiate between fibers and sclerides. (vi) Differentiate between hyaline cartilage and fibrocartilage. (vii) How seedless fruits are formed? (viii) Define fruit set in plants. (ix) Differentiate between phytoplanktons and zooplanktons. (x) Write human impact on coniferous alpine and boreal forests. (xi) Differentiate between renewable and non renewable resources.

(xii) What are green house and green house gasses?

 $8 \times 2 = 16$

- Answer briefly any Eight parts from the followings:-(i) Differentiate between stimulus and respons. (ii) What is epilepsy? (iii) Define Kinesis with an example. (iv) Differentiate between complete dominance and co-dominance. (v) Define population and gene pool. (vi) Define linkage and crossing over. (vii) Give two possible ways to get gene of intrest.
- (viii) What is gene therapy? (ix) Differentiate between transgenic plants and transgenic animals.
- (x) What is symbiosis name its types. (xi) Differentiate between ecosystem and biosphere.
- (xii) Define nitrification and denitrification.
- Answer briefly any Six parts from the followings:-

 $6 \times 2 = 12$

- (i) What are apical meristems? (ii) Explain the compensatory effect in growth. (iii) What are Purines and Pyrimidines? (iv) What is Anti-Sense strand? (v) How the Genetic code is universal?
- (vi) Differentiate between interphase and mitotic phase. (vii) What is metastasis?
- (viii) What is membrane Invagination Hypothesis? (ix) Write a note on the Vestigial organs.

Section ----- II

Note: Attempt any three questions.

 $(8 \times 3 = 24)$

- Discuss osmoregulation in plants. 5. (a)
 - Explain different stages of nitrogen cycle with the help of a diagram. (b)
- Give an account of bones of Skull (cranial and facial) 6. (a)
 - Define chromosomes. Give their chemical composition in detail. (b)
- Differentiate between axons and dendrites. 7. (a)
 - What is acid rain? (b)
- Define parthenogenesis. Explain different types of parthenogenesis. 8. (a)
 - Describe the genetics of colour-blindness in humans. (b)
- Discuss role of Nucleus in development through an experiment. 9. (a)
 - Explain main points developed by Darwin in his book "The Origin of Species". (b)

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1221 Warning: Pleas	write your Roll No. in	the space provided and	Algu- Roll No.
(Inter Part - II) Biology (Objective	15/29910th 2111	7-19 (6:2019-21)	Sig-of Student
Time Allowed:- 20 a		560-21	Paper (11)
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	located at high altitude	enter a company of the company of th	
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(A) Fares		Real Control	
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MAL MILLION	(III) I financia		
4. Most invortebrates	lish, umphibians and re	(C) Spleen	(D) Heim
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6. Musele is connected	I to bow by	(C) Origin	(D) Tendon
(A) Ligament	(II) Belle 👝 💆	April me at	
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(A) Seminiferous	(B) Ephilidymis		
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(A) Neoblast	119 present in Physican	(C) Ovulation	(D) Mempause
(A) Neoblast	(B) Osteoblest	s anan taninilla lita	
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(A) CILA	(B) UCA		
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CALDISIUM Lian	CB1 Sermenton	765 81 11 11	
14. Secretors have domina	ili Seerdar vano "25" .	(C) Non-diajunctio	n (D) Metastasis
(Å) 19	(D) 9		
15. Urine is a preferable v	dhlela fae Brokeskesskesskes	(C) 7	(D) 21
(A) Blood	(P) Milk		
16. The change in frequence	evol'alleles at a tamas	(C) Plasma	(D) Serum
(A) Crossing over	Ott Maration		
17. The relationship between	an inggaras salat	(C) Migration	(D) Genetic Drift
 The relationship between (A) Parasitism 	manasa suu Hamariiji Liitaan ka	s plants is an example a	r
	(B) Predation	(C) Munulism	(D) Commensuling
	1283 - 1221 AL	P = 18000 (3)	