This question paper contains 3 printed pages]

B-133-2019

FACULTY OF SCIENCE

B.Sc. (First Year) (Second Semester) EXAMINATION MARCH/APRIL, 2019 (CBCS/CGPA Pattern)

ZOOLOGY

Paper IV

(Developmental Riology)

		(MCQ+	Theory)	\$\frac{1}{2}\rightarrow\rightarro	
(Wednesday, 3-4-2019)			Time: 10.00 a.m. to 12.00 noon		
Time—2 Hours				Maximum Marks—40	
<i>N.B.</i> :—	(i) A	Attempt All questions.			
(ii) Use O		Use OMR sheet for Q	OMR sheet for Question No. 1.		
(iii) One 1		ne mark to each correct answer of an MCQ.			
(iv) No		Negative marking system is applicable.			
		Use black ball point pen n OMR answer-sheet.	en to dai	rken the circle of correct choice	
(The Marie	Oraw a well labelled Q. Nos. 2, 3 and 4	d diagr	ams wherever necessary for	
A STATE OF		(M	(CQ)		
1. Mul	tipe ch	noice questions:	300000		
(i)	Spe	Spermatogenesis takes place in			
	(A)	Ovary	(B)	Testis	
9, 22 C 9, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21	(C)	Liver	(D)	Kidney	
(ii)	The	The sperm of frog is			
	(A)	Haploid	(B)	Diploid	
	(C)	Both (A) and (B)	(D)	None of these	
(iii)	Pro	Process of fusion of male and female gamete is called			
10 4 10 10 0 2 4 10 10 10 10 10 10 10 10 10 10 10 10 10	(A)	Regeneration	(B)	Metamorphosis	
	(C)	Parthenogenesis	(D)	Fertilisation	

2.

WT (3) B—133—2019

3. Describe the process of fertilisation in frog.

Or

Write notes on:

- (a) Structure of sperm of frog
- (b) Embryonic and adult stem cells.
- 4. Define placenta. Describe classification of placenta on the basis of mode of origin.

Or

Write notes on:

- (a) Extra embryonic membrane-yolk sac.
- (b) GIFT.