This question paper contains 3 printed pages]

## R-106-2017

## FACULTY OF SCIENCE

## B.Sc. (First Year) (Second Semester) EXAMINATION MARCH/APRIL, 2017 (CBCS/CGPA Pattern)

ZOOLOGY

Paper IV

(Developmental Biology)

(MCQ+Theory)

(Saturday, 8-4-2017)

Time: 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

- N.B. :— (i) Use separate OMR answer-sheet for Question No. 1.
  - (ii) One mark to each correctly answered of MCQ.
  - (iii) Negative marking system for wrong answer is applicable.
  - (iv) Use black ball point pen to darken the circle of correct choice in OMR answer-sheet.
  - (v) Darken only one circle for the answer of an MCQ.
  - (vi) Draw a well labelled diagram, wherever necessary for Q. Nos. 2, 3, 4.

## (MCQs)

Select the *correct* answer for each of the following MCQs: 1.410 The production of gamete is called ..... (i)Oogenesis (b) Gametogenesis (a)Parthenogenesis (c)(d)Spermatogenesis (ii)The germinal epithelium cells separated by giant cells is called as ...... (a)Interstitial cells (b) Sertoli cell None of these Germ cells (d)(c)

P.T.O.

WT

WT	(	3	)	$\mathbf{R}$	-106-	-2017
	(T	heo	ory)		V & C V V V	A DE A
2.	Describe the process of spermator	gen	esis.			10
		Or				
	Write notes on:					6) 49 65 7
	(a) Megalecithal egg	6				
	(b) Infertility in female.	80 E			(1/2/2)	
3.	Describe the process of Blastula	tion	in frog.			10
		Or				£7
	Write notes on:					
	(a) Structure of ovum of frog					
	(b) GIFT.					
4.	Describe the structure of yolk	sac	and allantois and	add a	note	on its
	function.			7		10
		Or				
	Write notes on:					
	(a) Function of placenta					
	(b) Artificial parthenogenesis.	36,45				