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V-101-2017

FACULTY OF SCIENCE

B.Sc. (First Year) (Second Semester) EXAMINATION OCTOBER/NOVEMBER, 2017 (CBCS/CGPA)

ZOOLOGY

Paper IV

(Developmental Biology)

(MCQ+Theory)

(Friday, 17-11-2017)

Time: 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

- N.B. := (i) Attempt All questions.
 - (ii) Use OMR sheet for Question No. 1.
 - (iii) One mark to each correct answer of an MCQ.
 - (iv) Negative marking system is applicable.
 - (v) Use black ball point pen to darken the circle of correct choice in OMR answer-sheet.
 - (vi) Draw well labelled diagrams wherever necessary for Question Nos. 2, 3 and 4.

(MCQs)

- 1. Select the *correct* answer for each of the following MCQs:
 - (i) Gametogenesis involves
 - (a) Growth, multiplication and maturation
 - (b) Growth, maturation and multiplication
 - (c) Multiplication, growth and maturation
 - (d) Maturation, growth and multiplication
 - (ii) Male gamete is
 - (a) Ova (b) Egg
 - (c) Spermatozoan (d) None of these

P.T.O.

WT

WT(3) V-101-2017 (Theory) 2. Describe the process of Oogenesis. 10 OrWrite notes on: Telolecithal egg (a)(b) Infertility in male 10 3. Describe the process of fertilization in frog. OrWrite notes on: Structure of sperm of frog (a)(b) Embryonic stem cells. Describe the structure of chorion and amnion and add a note on its functions. 4. 10 OrWrite notes on: Yolk sac placenta (a)Sources of stem cells. (b)