

V.P.M.'s B. N. Bandodkar College of Science, Thane
S.Y.B.Sc Semester IV Examination March/April 2017
USZO403
(Revised Syllabus)

Duration: 2.5 Hrs

Total Marks: 75

N.B

- 1. All questions are compulsory.**
- 2. Figures to the right indicate marks.**
- 3. Draw neat and labelled diagrams wherever necessary.**

Q.1 Answer the following.(any four)

20

- a. Types of eggs on the basis of amount of yolk.
- b. Types of sperms.
- c. Meroblastic cleavage.
- d. Coeloblastula and Amphiblastula
- e. Determinate egg and indeterminate egg.
- f. Delamination with respect to embryo.
- g. Chorion.
- h. Yolk sac as extra embryonic membrane

Q.2 a. Answer the following.(any one)

10

- i. Male reproductive system and its hormonal regulation.
- ii. Causes of infertility in females.

b. Answer the following.(any two)

10

- i. Impact of age on reproduction
- ii. Natural methods of contraception
- iii. Endometriosis
- iv. Sperm bank

- Q.3 Answer the following,(any two) 20**
- a. Types and sources of air pollution.
 - b. Effects and control measures of water pollution.
 - c. Noise pollution.
 - d. Sources and types of soil pollution.
- Q.4 a. Write short note on:- Amnion. 05**
- OR**
- a. Define: 05**
- i. Spermatogenesis
 - ii. Isolecithal egg
 - iii. Diffused placenta
 - iv. Radial cleavage
 - v. Deciduous placenta
- b. Write short note on:- Polycystic Ovarian Syndrome 05**
- OR**
- b. Answer the following. 05**
- i. What is oligozoospermia?
 - ii. Enlist the names of endocrine disruptors.
 - iii. What is cryptorchidism?
 - iv. What is vasectomy?
 - v. What is tubectomy?
- c. Write short note on:- Sources of water pollution. 05**
- OR**
- c. Answer the following. 05**
- i. What is stratosphere?
 - ii. What is pollution?
 - iii. Enlist the names of green house gases.
 - iv. What is lithosphere?
 - v. Define: environment