

S.Y.BSc. Semester-IV A.T.K.T Examination

Zoology Paper-III

Course Code- USZO 403

VCD 11/10/19

Duration: 3.00 Hr.

Total Marks: 100

Note: 1) All questions are compulsory.

2) Draw the diagrams wherever necessary.

3) Figure at Right indicates marks.

4) Answer the questions in serial order.

**Q1) A) Fill in the blanks**

(05)

- 1) The outermost layer of the space is .....  
(mesosphere, thermosphere, exosphere)
- 2) Insufficient production of testosterone causes.....  
(cryptorchidism, hypogonadism, epididymitis)
- 3) ..... means the epithelial layer rolls down and folds inwards.  
(Infiltration, Involution, Ingression)
- 4) ..... was pioneered by Paul Devroey.  
(ZIFT, GIFT, IUI)
- 5) Chlamydia trachomatis causes.....  
(Genital herpes, Syphilis, Chlamydia)

**B) Match the following**

(05)

- |                      |                          |
|----------------------|--------------------------|
| 1) Primary pollutant | A) Mammals               |
| 2) Diffuse placenta  | B) Radioactive pollutant |
| 3) Homolecithal egg  | C) Hydrocarbon           |
| 4) Uranium-235       | D) Hyaluronidase         |
| 5) Acrosome          | E) Pig                   |

**C) True or False**

(05)

- 1) Intermediate placenta is a combination of diffuse and cotyledonary placenta.
- 2) Fibroids are malignant tumors on uterus walls.
- 3) B horizon of soil is made up of humus.
- 4) Coitus interruptus is a method of contraception.
- 5) Irrigation causes salinization.

**D) Answer in one sentence**

(05)

- 1) Define Cleavage.
- 2) Full form of HCG.
- 3) Define Nuclear fuel cycle.
- 4) Full form of STD.
- 5) What is Acid rain?

**Q2) Answer the following (Any 2)**

(20)

- 1) Describe in detail gastrulation in birds.
- 2) What are extra embryonic membranes. Add a note on formation of Amnion and chorion.
- 3) Classify placenta on basis of implantation.
- 4) Describe formation of coelom and add a note on its types

**Q3) Answer the following (Any 2)**

(20)

- 1) Describe female reproductive system and give its hormonal regulation.
- 2) Enumerate various causes of infertility in males.
- 3) Describe any four types of ART methods.
- 4) Give a brief account of Endocrine disrupters. Add a note on potential its potential effect on female and male fertility.

**Q4) Answer the following**

(20)

- 1) What is climate change? Describe with respect to pollution.
- 2) Give various effects of water pollution and add a note on its control measures.
- 3) Describe noise pollution and add a note on its control measures.
- 4) Give an account of global warming with reference to pollution.

**Q5) Write short Notes on (Any 4)**

(20)

- 1) Genital Herpes.
- 2) Define yolk sac palcenta.
- 3) Causes and effects of ozone depletion.
- 4) Asthenozoospermia.
- 5) PCOS
- 6) Emboly.
- 7) Radioactive pollutant.
- 8) Ingression.