****

Register Number:

Date:

**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE – 27**

**CBCS (ZOOLOGY) – IV SEMESTER**

**SEMESTER EXAMINATION, APRIL 2019**

**ZO OE 4116 – A JOURNEY INTO ANIMAL WORLD AND HUMAN LIFE**

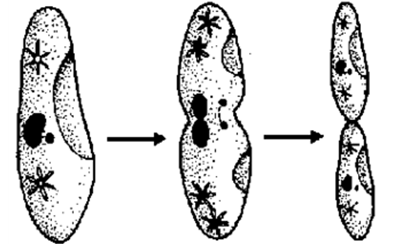
**Time: 1.5 hour Max. Marks: 35**

**This paper contains two printed pages and three parts**

**PART A**

**Answer the following 1 X 10 = 10**

1. Name the type of reproduction in Protozoans given in the diagram below\_\_\_\_\_\_\_\_\_\_

.

1. Echinoderms have the ability to reproduce a broken arm **(true/ false)**
2. Mention the type of signals (Tactile/Auditory/chemical) involved in
3. Bird song b. Monkey grooming
4. Mention any one flight adaptation in birds.

|  |  |
| --- | --- |
| Image result for tuberculosis | The image shows major symptoms of which disease? |

1. \_\_\_\_\_\_\_\_\_\_\_\_ is the organ maintaining blood glucose levels
2. Stomach b. Small Intestine c. Pharynx d. Pancreas
3. \_\_\_\_\_\_\_\_\_\_\_\_\_ blood group is universal donor
4. The great blood vessels of a human heart are\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Aorta b. Pulmonary artery c. Vena Cava d. All of the above
6. Identify and name the threatened species shown below

|  |  |
| --- | --- |
| **a** | **b** |
| Related image | Image result for lion tailed monkey |

1. Mention one first aid procedure when a person is choking \_\_\_\_\_\_\_\_\_

**PART B**

**Answer any FIVE of the following 5 X 2 = 10**

1. What is an endocrine gland? Give an example
2. What is a menstrual cycle?
3. What is liver cirrhosis?

|  |  |  |
| --- | --- | --- |
| **Disease** | **Vector** | **Pathogen** |
| \_\_\_\_\_\_\_\_\_\_\_\_ | *Anopheles stephensi* | Protozoan |
| Dengue | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Virus |
| Plague | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Bacteria |
| Schistosomiasis | Snail | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

1. In relation to vector borne diseases fill in the blanks in the table given below
2. What are the modes of HIV transmission?
3. Depict the pedigree of a family comprising an elder son and younger daughter and the father affected with a genetic disease.

**PART C**

** Answer any THREE of the following 3 X 5= 15**

1. What is cancer? Mention any two properties of a cancer cell and name any two types of cancer.
2. Briefly describe the structure of human lungs and breathing process with a neat labelled diagram.
3. Write a short note on heart attack and its prevention.

**X**

1. Draw a neat labelled diagram of the urinary system.
2. a. List any two barriers to mitigate Human-elephant conflict.

b. What is the name of the structure you see in the picture and state why ‘**X**’ is important?