

GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA

DEPARTMENT OF BIOTECHNOLOGY

QUESTION BANK

PAPER- C 3

TITLE: ANIMAL DIVERSITY AND PHYSIOLOGY

1. Fill in the blanks:

- a. The only bone marrow cell that never appears in peripheral blood is_____.
- b. Thyroxin releasing hormone (TRH) receptor belongs to _____.
- c. Cells in the renal corpuscle can influence glomerular filtration by its contraction is _____.
- d. Production of excessive amount of corticotropin (ACTH) occurs in _____.
- e. Function served by plasma protein is _____.

2. Very short type questions:

- a. What is hypothalamus?
- b. What is neurotransmitters?
- c. What is cardiac output?
- d. What is thymus?
- e. What is protozoa?

3. Short type questions:

- a. Differentiate between protozoa and porifera.
- b. Differentiate between amphibia and reptilia.
- c. Differentiate between aves and mammalia.
- d. Differentiate between chordates and non-chordates.
- e. Differentiate between deutrostomes and protostomes.

4. Long type questions:

- a. Give an outline of classification of proto-chordates.
- b. Describe the mechanism of working of heart.
- c. Describe the mechanism of generation and propagation of nerve impulse.
- d. Describe the mechanism of digestion.

- e. Describe the mechanism of exchange of gases.
- f. Describe the mechanism of respiration.
- g. Give an outline of the classification of non-chordates.
- h. Describe the classification of reptilia.
- i. Describe the classification of mammalia.
- j. Describe the classification of amphibia.