# GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA

#### **DEPARTMENT OF BIOTECHNOLOGY**

#### **QUESTION BANK**

PAPER- C6	TITLE: BIOCHEMISTRY

#### 1. Fill in the blanks:

d and
arations by
•
ar

## 2. Very short answers:

- a. Monosaccharides.
- b. Disaccharides.
- c. Polysaccharides.
- d. Mucoploysaccharides.
- e. Oxidative phosphorylation.
- f. Glycolipids.
- g. Sphingolipids.
- h. Apoenzyme.
- i. Cerebrosides.
- j. Nucleotides.

## 3. Short answer type questions:

- a. Bacterial cell wall polysaccharides.
- b. pH and buffers.
- c. Pyrimidines.
- d. Purines.
- e. Enzyme activity

- f. Beta-oxidation of fatty acids.
- g. Phospholipids

## 4. Long answer type questions:

- a. Describe the classification of carbohydrates.
- b. Describe the double helical structure of DNA.
- c. Describe the biological importance of nucleotides.
- d. Describe glycolysis.
- e. Describe TCA cycle.
- f. Describe pentose phosphate pathway.
- g. Describe gluconeogenesis.
- h. Describe amino acid structure.
- i. Describe lipid structure.