**Sardar Bhagwan Singh University, Balawala, Dehradun, UK**

Week 6: Question Bank Course: M.Sc., Microbiology/Biotechnology

Semester II Subject: Immunology Course Code: BIOC-521

Subject teacher: Dr. S. K. KARN

1. Which of the following does **not** protect body surfaces

**A** Skin **B** Mucus

**C** Gastric acid **D** Salivary amylase

**E** Gut microflora

1. The mononuclear phagocyte system does not include

**A** Monocytes **B** Kupffer cells

**C** Kidney mesangial cells **D** Lymph node medullary macrophages

**E** Endothelial cells.

1. A polymorphonuclear neutrophil (PMN):

**A** Is a bone marrow stem cell. **B** Is closely similar to a mast cell.

**C** Contains microbicidal cytoplasmic granules.**D** Is not a professional phagocytic cell.

**E** Has granules which stain with eosin.

1. Neutrophil defensins are:

**A** Anti-toxins. **B** Oxygen-dependent.

**C** Enzymes. **D** Glycolipids.

**E** Peptide antibiotics.

1. Acute inflammation characteristically involves:

**A** Constriction of arterioles. **B** Capillary endothelial cell enlargement.

**C** Influx of macrophages. **D** Influx of mast cells.

**E** Influx of neutrophils.

1. Lysozyme:

**A** Is a cytoplasmic organelle. **B** Activates complement.

**C** Is a proteolytic enzyme. **D** Splits peptidoglycan.

**E** Is released by mast cells.

1. Describe innate immunity.
2. Explain Infection.
3. Explain Immune cell present in the blood.
4. Explain immune cell present in the tissue and their role.
5. Name organs involved in the immune function.