** SHREE H N SHUKLA NURSING INSTITUTE RAJKOT**

**SUBJECT: ANATOMY & PHYSIOLOGY MARKS: 75**

**B.Sc (Nursing) 1ST YEAR TIME: 3Hours**

**SECTION-I**

1. **Long essay: (any one) 15**

(A)What is a joint? Give its classification and describe in detail

OR

(B) Name the various organs of respiratory system. Describe in detail the gross anatomy

**2. Write short notes on the following: (any three) 3x5=15**

1) Structure of Kidney.

2) Types of tissues.

3) Types of Bones.

4) Structure of Heart.

5) Femur bone.

**3. Answer in brief: (any four) 4x2=8**

1) Muscles of respiration.

2) Cardiac output.

3) Define and classify connective tissues.

4) Albumins.

5) Voice box.

6) Chemoreceptors.

**SECTION-II**

**4. Long essay: (any one) 1x10=10**

1) Cardiac cycle and blood pressure.

Or

2) Mechanism of Skeletal muscle contraction.

**5. Write short notes: (any three) 3x5=15**

1) Process of urine formation.

2) Cell division.

3) Portal circulation.

4) Systemic circulation.

5) Skeletal muscles contraction.

**6. Define the following: (Compulsory) 6X2=12**

1) Reflex.

2) Circle of Willi.

3) Pulse.

4) Meioses.

5) Haemopoiesis.

6) Hyoid bone.