** 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.