**[LG 0215]** **FEBRUARY 2015** **Sub.code: 1001**

**DIPLOMA IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY**
**FIRST YEAR**
**PAPER I - ANATOMY, PHYSIOLOGY & BIOCHEMISTRY**
***Q.P. Code : 841001***

**Time : Three Hours** **Maximum : 100 Marks**

**Answer ALL questions**

**I. Elaborate on:** **(3 x 10 = 30)**

1. Draw the diagram of kidney and label it. Discuss under following headings: boarders, surface, poles. Add a note on its blood supply.
2. Define joint, types of joint with examples. Add a not on ball and socket joint.
3. Discuss lipid under following headings: definition, classification with examples and functions.

**II. Write notes on:** **(10 x 5 = 50)**

1. Types and function of Plasma Proteins.
2. Composition and functions of blood.
3. Polysaccharide with examples.
4. Amino acids.
5. Vitamins.
6. Formation of glycogen.
7. Parts of Cerebellum.
8. Deltoid muscle.
9. Difference between skeletal muscle and cardiac muscle.
10. Structure and functions of skin.

**III. Short answers on:** **(10 x 2 = 20)**

1. Name 4 muscles of thorax.
2. Define coagulation.
3. Marasmus.
4. Define glycolysis.
5. Name thyroid hormones.
6. Universal donor.
7. Vitamin A.
8. Coverings of brain.
9. Name the 4 chambers of heart.
10. Write the normal range of
    a) RBC
    b) WBC

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