[LH 0815] **AUGUST 2015** **Sub. Code: 1211**

DIPLOMA IN CRITICAL CARE TECHNOLOGY
SECOND YEAR
PAPER I – APPLIED ANATOMY AND PHYSIOLOGY

Q.P. Code : 841211

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

Answer All questions.

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

1. Describe the situation, external features and chambers of heart in detail with suitable diagram.
2. Explain in detail the cerebro spinal fluid (CSF) under following headings.
   a) Formation b) Constituents c) Circulation d) Functions
   e) Applied anatomy
3. Explain in detail the chemical regulation of respiration. Add a note on other regulation of respiration.

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

1. Circle of willis.
2. Histology of cardiac muscle.
3. Mediastinal surface of left lung.
4. Internal features of spinal cord.
5. Difference between artery and vein.
6. Basal ganglia.
7. Parietal pleura.
8. Oxygen dissociation curve.
9. Decompression sickness.
10. Neuron.

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

1. Name the ventricles of brain with its location.
2. Give the importance of lumbar puncture.
3. Define Tidal volume.
4. Right and left common carotid artery is a branch of.
5. Give the types of periodic breathing.
6. Name the parts of corpus callosum.
7. Give any two functions of respiratory tree.
8. Name the nucleus of cerebellum.
9. Write the cause for parkinsonism with any two clinical features.
10. Brief note on vocal cord.

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