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MANIPAL UNIVERSITY

FIRST SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: BHI 101 - GENERAL ANATOMY

(CREDIT BASED SYSTEM)

Tuesday, May 28, 2013

Time: 10.00 – 11.30 Hrs.

Max. Marks: 40

1. Name the parts of respiratory system. Describe the larynx in detail.

(5+5 = 10 marks)

2. Write short notes on:

2A. Kidney

2B. Gall bladder

2C. Connective tissue

2D. Right atrium

2E. Spermatic cord

2F. Pons

(5×6 = 30 marks)



MANIPAL UNIVERSITY**FIRST SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – MAY 2013****SUBJECT: PHYSIOLOGY (BHI 103)****(CREDIT BASED SYSTEM)**

Thursday, May 30, 2013

Time: 10:00 – 11:30 Hours

Maximum Marks: 40

1. Answer the following:

- 1A. Describe the different types of transport mechanisms across the cell membrane.
- 1B. Describe white blood cells under the following headings:
i) Classification
ii) Functions
- 1C. Describe the mechanism of respiration.
- 1D. Define cardiac output. Add a note on its regulation.

(5×4 = 20 marks)

2. Answer the following questions:

- 2A. Mention two hazards of mismatched blood transfusion.
- 2B. Define resting membrane potential and give its value in a neuron.
- 2C. Enumerate two functions of cerebellum.
- 2D. List two functions of kidneys.
- 2E. Name the movements of small intestine.
- 2F. Name the receptors for taste and smell sensations.
- 2G. Mention the waves of a normal Electrocardiogram. Mention the cause for each wave.
- 2H. State Landsteiner's law.
- 2I. Define pulmonary ventilation. Give its normal value.
- 2J. Mention any two functions of saliva.

(2×10 = 20 marks)

