B. TECH. SEM – III (BIOMEDICAL ENGG.) (2014 COURSE) (CBCS)
: WINTER - 2017
SUBJECT: HUMAN BIOLOGY

Day: **Monday** | **W-2017-2058** | Time: **10.00 AM TO 01.00 PM**
Date: **22/01/2018** | Max. Marks: 60

N.B.:
1) All questions are **COMPULSORY**.
2) Figures to the **RIGHT** indicate full marks.
3) Draw the diagrams **WHEREVER** necessary.

Q.1 **a)** What is tissue? Write its different types. **(05)**
b) Draw a neat labelled diagram of cell. **(05)**

OR

Q.1 **a)** Write the names of the bones of lower extremity. **(05)**
b) Write a short note on "Golgi Apparatus". **(05)**

Q.2 **a)** Write a note on Left lung. **(05)**
b) What are the different parts of liver? **(05)**

OR

Q.2 **a)** Draw a labelled diagram of kidney? **(05)**
b) Write a note on large Intestine. **(05)**

Q.3 Draw the labelled diagram of spinal cord and explain. **(10)**

OR

Q.3 Write notes on: **(10)**
i) Parts of skin ii) Nose

Q.4 What is ECG? Draw the diagram of standard ECG waveform and explain along with its amplitude, time period and frequency. **(10)**

OR

Q.4 Explain Conduction system of heart. **(10)**

Q.5 Write physiology of Nephron. **(10)**

OR

Q.5 Write functions of: **(10)**
i) Kidney ii) Spleen

Q.6 Skin is called largest organ of body. Justify **(10)**

OR

Q.6 **a)** Describe various types of Papillae of tongue. **(05)**
b) Write a note on Rods and Cones. **(05)**

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