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RNLKWC/B.Sc.-CBCS/IIIS/PHY/H/C7T/22

2022

Physiology

[HONOURS]

(CBCS)

(B.Sc. Third Semester End Examination-2022)

PAPER-C7T

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

- 1. Answer any five questions of the following: **5x2=10****
- a) What is obstructive jaundice?
 - b) Write the important functions of salivary glands.
 - c) What are the abnormal constituents of urine?
 - d) Mention the functions of podocytes and pedicells.
 - e) Classify different types of lingual papillae and mention their locations.
 - f) How secretin regulate pancreatic secretion?
 - g) What is peptic ulcer?
 - h) Define GFR.

(2)

2. Answer any four questions of the following: $4 \times 5 = 20$

- a) Explain the mechanism and regulation of HCl secretion in stomach. 5
- b) Explain the structure – function relationship of different parts of henle's loop. 5
- c) Explain the mechanism of action of renin-angiotensin aldosterone system. 5
- d) Explain the neural circuitry of little brain in gut. 5
- e) Discuss the factor controlling erythropoiesis. 5
- f) What is dialysis. Explain the process of Enterohepatic Circulation. 2+3

3. Answer any one question of the following: $1 \times 10 = 10$

- a) i) Explain the mechanism of counter current multiplier system.
 - ii) Explain the detail the structure of salivary glands with suitable diagram. 5+5
 - b) i) Write the non-excretory functions of kidney.
 - ii) What is Toweta Shunt and Ludwig Sheent? Draw a flow chart of renal circulation. Mention the function of macula deusa. 3+(2+3+2)
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