



AD-3291
Third Year B. Sc. (Sem. VI) Examination
March/April – 2015
Medical Technology
MT - 20 : Pathophysiology

Time : Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दर्शायेख निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : THIRD YEAR B. SC. (SEM. 6)</p> <p>Name of the Subject : MED. TECH. : MT - 20 : PATHOPHYSIOLOGY</p> <p>Subject Code No. : 3 2 9 1 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : [][][][][][][]</p> <p>Student's Signature</p>
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- (2) Figures on **right** indicate full marks.
(3) Draw labelled diagram where **necessary**.

1 Answer the following briefly : 8

- (1) What is ICF and ECF.
- (2) Differentiate the physiological types of jaundice.
- (3) What is the role of Brain natriuretic peptide as a cardiac marker.
- (4) Enlist the electrolytes and its composition in ECF and ICF.

2 Attempt any **two** of the following : 14

- (1) Enlist the gastric function tests. Explain in detail Fractional gastric analysis.
- (2) Explain in detail the liver function tests based on detoxification function of liver.
- (3) Discuss in detail Respiratory acidosis.

- 3** Attempt any **one** of the following : **14**
- (1) Enlist the various thyroid hormones. Explain in detail the tests based on metabolic effects of thyroid hormones and the tests for measurement of thyroid hormones.
 - (2) Explain in detail the clinical significance of cardiac enzymes and cardiac markers.
- 4** Write notes on : (any **two**) **14**
- (1) Respiratory acidosis Vs Respiratory alkalosis.
 - (2) Tests to measure Renal plasma flow.
 - (3) Intestinal function test for disaccharide deficiency.
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