



DRR-3291

**Third Year B. Sc. (Medical Technology)
(Sem. VI) Examination**

March / April - 2016

MT-20 : Pathophysiology

Time : 2 Hours]

[Total Marks : 50

Instruction :

नीचे दशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लखवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
Third Year B. Sc. (Medical Technology) (Sem. VI)	<input type="text"/>
Name of the Subject :	<input type="text"/>
MT-20 : Pathophysiology	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 2 <input type="text"/> 9 <input type="text"/> 1	Section No. (1, 2,.....) : <input type="text"/> NIL
Student's Signature	

- 1 Answer the following questions : 8
- (a) Define achlorydydria and its causes.
 - (b) Mention the source and the role of aldosterone in water balance.
 - (c) Give the clinical significance of Vanden Bergh test.
 - (d) Enlist the early and late serum enzymes which increases in acute myocardial infarction.
- 2 Attempt any one of the following : 14
- (a) Describe the water and the electrolytes composition of intracellular and extracellular compartments of the body. Describe briefly the regulatory mechanisms of water balances and the abnormalities related to it.
 - (b) Describe in detail the clinical significance and detection method related to Sodium.
 - (c) Enlist the functions of liver. Discuss in the function tests to determine and differentiate the types of jaundice.

- 3 Enlist the tests associated with thyroid functions. Discuss in detail the thyroid Function tests based on hormonal metabolism. 14
- 4 Write short notes on any two : 14
- (a) Cardiac markers.
 - (b) Fractional gastric analysis.
 - (c) Anatomy of kidney.
 - (d) ANP.
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