



RAN - 2007000102010002

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**2<sup>nd</sup> B. H. M.S. Examination**

**March - 2021**

**Pathology & Microbiology - Paper - II**

**સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:  
2<sup>nd</sup> B. H. M.S.

Name of the Subject :  
Pathology & Microbiology - Paper - II

Subject Code No.: 2007000102010002

Seat No.:

□	□	□	□	□	□
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Student's Signature

(2) Write both the sections in separate answer books.

(3) Draw neat diagrams where-ever required.

**SECTION - I**

**Que. 1** Describe in detail about **Streptococcus Pneumoniae**. [15]

**OR**

**Que. 1** Write in detail about **Treponema pallidum** under Morphology, [15]  
Culture Characteristics, Biochemical Properties & Clinical Presentation.  
Add a note to Special Tests for Syphilis.

**Que. 2** Describe **Entamoeba histolytica** under the following Headings: [15]  
Morphology, Life Cycle Laboratory Diagnosis, Clinical Features  
& Complications.

**OR**

**Que.2 Write Notes**

A) Describe Life Cycle & Complications of **P. Falciparum** [08]

B) Stool Examination [07]

**Que.3 Write Short Notes (Any 3)** [3×5=15]

1. Laboratory Diagnosis of Tuberculosis
2. Widal Test
3. Ancylostoma duodenale
4. Flagella
5. Fungal Skin Infections

**Que.4 Objective Questions** [05]

1. Clostridium tetani is **Gram +ve / Gram -ve**
2. Leparmin Test is used in diagnosis of \_\_\_\_\_
3. Taenia saginata is **Helminth/ Fungus**
4. Ideal temperature for autovlave is **110/121/145** degree celcius.
5. Full form of **EDTA** is \_\_\_\_\_

#### SECTION-II

**Que.1** Write in detail about **Hepatitis Virus** including the Laboratory investigations and Clinical Features and methods of Prevention. [15]

**OR**

**Que.1** Describe in detail about **Measles Virus**. Add a note on Vaccine Prevention of the same. [15]

**Que.2** Describe in detail about how to make **Peripheral Smear**. Add a note its diagnostic use. Write the importance of thick & thin smear. [15]

**OR**

**Que.2 Write Notes**

- A) COVID-19 Infection & Prevention [08]
- B) Hypersensitivity Reactions [07]

**Que.3 Write Short Notes (Any 3)**

**[3×5=15]**

1. HIV & AIDS
2. ELISA
3. General Properties of virus
4. Autoimmune disorders
5. Stool Examination.

**Que.4 Objective Questions**

**[05]**

1. Write full form of RNA
  2. H1N1 is causing \_\_\_\_\_ viral illness
  3. Full form of FNAC is \_\_\_\_\_
  4. Renal threshold for glucose is **(120/ 180/ 210)** mg/dl
  5. Saffranine is used as **(mordant / Secondary stain)** in Gram's Staining Process.
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