

**Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous)**  
Affiliated to Saurashtra University, Rajkot

**SEMESTER END EXAMINATION APRIL – 2017**

**B.Voc. Medical Laboratory and Molecular Diagnostics Technology**

**MLMDT 2.1 - CLINICAL PATHOLOGY & PARASITOLOGY**

*Duration of Exam – 2.30 hrs*

*Semester – II*

*Max. Marks – 70*

**Que. - 1 Answer the following Questions**

**[20]**

1. What is the normal range of GFR?
2. What is hypersthenuria?
3. What is hematuria?
4. Define Oligouria
5. What is the normal renal threshold for glucose?
6. What is Xanthochromia?
7. Which is the longest tapeworm?
8. Define: Helminthology.
9. Define: Zoonosis
10. What is sputum?
11. The normal sperm count in semen is\_\_\_\_\_.
12. Ring form of Plasmodium in RBC is also known as \_\_\_\_\_ stage.
13. What are rice bodies?
14. What is gametogony?
15. Where does plasmodium reside in mosquito?
16. Flukes. leaf-shaped flat unsegmented worms or trematodes. [True or False]
17. Common name of Enterobius vermicularis is \_\_\_\_\_,  
Pinworm/seatworm/thread worm.
18. Define Sputum.
19. Which stain is used for sperm vitality.
20. What is pericardial effusion?

**Que. - 2 (A) Answer the following Questions (Any Three)**

**[6]**

1. Draw a labeled diagram of sperm.
2. Write chemical composition of CSF.
3. Functions of synovial fluid
4. Mucin clot test
5. Enlist the different species of plasmodium
6. Metastatic amoebiasis

**Que. - 2 (B) Answer the following Questions (Any Three)** [9]

1. Enlist the recommended tests for synovial fluid analysis.
2. What is synovial fluid? Give its importance in the body.
3. How CSF is preserved?
4. What is the composition of pleural fluid?
5. Enlist the tests done in sputum analysis.
6. How urine sample is preserved for testing?

**Que. - 2 (C) Answer the following Questions (Any Two)** [10]

1. Write in detail the physical examination of urine.
2. Write about pleural fluid.
3. What are the steps of urine formation?
4. Write down chemical examinations of ascitic fluid.
5. Write a note on chemical examination of CSF

**Que. - 3 (A) Answer the following Questions (Any Three)** [6]

1. Define parasite and host.
2. Name any two blood parasites.
3. Draw a vegetative form of *Girardia lamblia*.
4. What is Mucin clot test?
5. Enlist the different species of plasmodium.
6. Name any two blood parasites.

**Que. - 3 (B) Answer the following Questions (Any Three)** [9]

1. Enlist different crystals casts found in urine.
2. What is the importance of stool analysis?
3. Write about general characteristics of Filarial worms.
4. Causes for peritoneal effusions.
5. What is the difference between ring forms of *P. vivax* and *P. falciparum*?
6. What is synovial fluid? Give its importance in the body.

**Que. - 3 (C) Answer the following Questions (Any Two)** [10]

1. Describe life cycle of Hook worm together with Laboratory Diagnosis.
  2. Write in detail about the life cycle of *Entamoeba histolytica*.
  3. Write a note on cestode infection.
  4. Discuss about clinical features/ stages of *Wucheria* infection.
  5. Write a note on semen analysis.
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