

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 2.2 – HEMATOLOGY

Duration of Exam – 2.30 hrs

Semester – II

Max. Marks – 70

Que. 1 Answer the following Questions

[20]

1. What is the cause of Glucose-6-Phosphate Dehydrogenase deficiency?
2. What is Thalassemia?
3. Which hematological disease provides protection against malaria?
4. Where does RBC destruction occur?
5. What is Haptoglobin?
6. Define Hemolytic anemia.
7. What are normal levels of iron in blood?
8. What is pernicious anemia?
9. What is the source of Vitamin B12?
10. What are the types of anticoagulants?
11. What are the sites for arterial blood collection?
12. What is the color of EDTA vial cap?
13. What are the types of blood collection?
14. What is Granulopoiesis?
15. Write full form of NADPH.
16. What is Chemokines?
17. What is Macrophage?
18. Write the full form of CFU-E.
19. Which cells produces erythropoietin?
20. Which cells produces Intrinsic factor?

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

[06]

1. Write clinical features of hemolytic anemia.
2. Enlist the cellular components of blood.
3. Describe main functions of platelets.
4. Write in brief about sites of Erythropoiesis.
5. What are the causes of Monocytosis?
6. Write sign and symptoms of anemia.

Que. – 2 (B) Answer the following Questions (Any Three) [09]

1. Write a note on Thalassemia.
2. Describe any three types of anticoagulants.
3. What are the causes of Eosinophilia?
4. Write a note on Benign Disorders.
5. Write a brief note on disorders of platelet function.
6. Write a brief note on Von Willebrand factor disease.

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

1. Write a detailed note on absorption and regulation of iron absorption.
2. Write a note on hemolytic anemia.
3. Write a note on blood coagulation.
4. Describe Hemophilia in detail.
5. Write a note on Granulopoiesis.

Que. – 3 (A) Answer the following Questions (Any Three) [06]

1. What is lymphoma?
2. Describe in brief about MCV
3. What is Leukaemoid Reaction?
4. Write briefly about initiation of blood coagulation.
5. Write a brief note on Ehler's Danlos syndrome.
6. Write in brief about abnormal bleeding?

Que. – 3 (B) Answer the following Questions (Any Three) [09]

1. Write a note on Myeloproliferative disorders.
2. Write a note on Clinical applications of Myeloid growth factors.
3. Write a note on Lymphocytes.
4. Describe basic steps to draw capillary blood.
5. Write in brief about any two complications occurring during blood collection.
6. Write about role of kidney in erythropoietin production.

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

1. Write a note on Erythropoiesis.
2. Write a note on Disorders of Neutrophil and Monocyte functions.
3. Write a note on Transport of blood sample.
4. Write a note on Acute leukemia.
5. Discuss about Multiple myeloma in Detail.