

Vidnyan Mahavidyalya, sangola.
Dept. Of Zoology
Syllabus for certificate course in
Haematology
Year- 2018-2019

1. 1. Basic morphology and basic concepts of haematopoiesis
2. Red blood cells: Structure and function
3. White blood cells Structure and function
4. Types of blood group
5. Methods of blood collection
6. Prepration of anticoagulation bulb
7. Prepration of blood smear and staining
8. Haemoglobin estimation
9. Differential count
10. WBC counts
11. Bleeding time and cloating time
12. Blood group estimation
13. Widal test
14. Elisa test
15. Pregnancy test

Vidnyan Mahavidyalya, sangola.
Dept. Of Zoology
Syllabus for certificate course in
Haematology
Year- 2019-2020

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Dept. Of Zoology
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Haematology
Year- 2020-2021

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Dept. Of Zoology

Haematology

Year- 2021-2022

Theory syllabus

1. Basic morphology and basic concepts of haematopoiesis
2. Bone marrow structure and examination
3. Red blood cells: Structure and function
4. White blood cells Structure and function
5. Types of blood group
6. Types of Immune system
7. Leukemia
8. Laboratory methods in hematology
9. Iron metabolism and iron deficiency anemia
10. Sickle cell anemia

Practical syllabus

1. Methods of blood collection
2. Prepration of anticoagulation bulb
3. Prepration of blood smear and staining
4. Haemoglobin estmation
5. Differential count
6. WBC counts
7. Bleeding time and cloating time
8. Blood group estimation
9. Widal test
10. Elisa test
11. Pregnancy test

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Dept. Of Zoology

Haematology

Year- 2022-2023

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| Theory syllabus |
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1. Basic morphology and basic concepts of haematopoiesis
2. Bone marrow structure and examination
3. Red blood cells: Structure and function
4. White blood cells Structure and function
5. Types of blood group
6. Types of Immune system
7. Leukemia
8. Laboratory methods in hematology
9. Iron metabolism and iron deficiency anemia
10. Sickle cell anemia

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| Practical syllabus |
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12. Methods of blood collection
13. Preparation of anticoagulation bulb
14. Preparation of blood smear and staining
15. Haemoglobin estimation
16. Differential count
17. WBC counts
18. Bleeding time and clotting time
19. Blood group estimation
20. Widal test
21. Elisa test
22. Pregnancy test

