

PARUL UNIVERSITY
DEPARTMENT OF PARAMEDICAL AND HEALTH SCIENCES
B.Sc. Med.Sci. April – 2023 Examination.

Year: 2**Date:08-04-2023****Subject Code: 19106206****Time:10:00 am to 10:45 am****Subject Name: MLT MOD-6 Hemostasis and Coagulation****Total Marks: 30****Instructions:**

1. Attempt all questions from each section
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.

Q.1: Definition (any 5 out of 6) (Each 1 Mark) 05

- (i) What is thrombocytopenia?
- (ii) Give the name of any two anticoagulants.
- (iii) Which blood vial is known as clot activator vial?
- (iv) Differentiate between bleeding time and clotting time.
- (v) Write the full form of FNAC? Write its one application in diagnostics.
- (vi) What is the role of thrombin? What is its role in coagulation cascade?

Q.2: Short question (any 5 out of 6) (Each 2 Mark) 10

- (i) What is megaloblastic anemia? How it differs from pernicious anemia?
- (ii) Write the sequence of blood vials which is used for sample collection along with the name of the tests against each.
- (iii) Write about the quality control measures followed during sample collection and transportation.
- (iv) Write the name of clotting factors for extrinsic, intrinsic and common pathway respectively.
- (v) What is iron deficiency anemia? What tests are required for its diagnosis?
- (vi) What is Von Willebrand disease? Write its two major features.

Q.3: Long question (any 3 out of 4) (Each 5 Mark) 15

- (i) What is platelet function test? Write briefly about each parameter.
- (ii) What is hemostasis? Describe its mechanism in detail.
- (iii) Explain the structure and function of platelets.
- (iv) Explain the following:
 - a) Hemophilia
 - b) PT and APTT