

**The West Bengal University of Health Sciences**  
**M.D. (Pathology) March- April, 2020 Examination**

Paper: III

Full Marks : 100

Time: 3 Hours

*Attempt all questions*

1. Pathogenesis of  $\beta$ - Thalassemia. 10
2. Flow chart for diagnosis of pancytopenia. 10
3. Etiopathogenesis & laboratory diagnosis of polycythemia. 10
4. Write short notes on: 5+5
  - a) Interpretation of urine analysis in jaundice.
  - b) Fanconi anemia.
5. Discuss cytochemistry in hematology. 10
6. Transfusion associated graft vs. host disease. 10
7. Blood component separation & use. 10
8. Write short notes on: 5+5
  - a) Hemoglobinuria.
  - b) Glycosylated Hb.
9. Bethesda System of reporting in thyroid cytopathology. 10
10. Intraoperative tissue diagnosis. 10