

BV (2)/ML & MDT-2.1/17 (MC)

2017

**MEDICAL LAB AND MOLECULAR
DIAGNOSTIC TECHNOLOGY**

Paper : S-2.1

(Clinical Pathology and Haematology)

Full Marks : 40

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

1. Fill in the blanks : 1×5=5
 - (a) The defect of thalassemia occurs in _____ chain.
 - (b) _____ is hyperglycemia hormone.
 - (c) _____ is the most abundant WBC.
 - (d) Hormone that causes replication of RBC is _____.
 - (e) Rh-ve patient does not have _____ antigen.

2. Write short notes on any *five* of the following : 2×5=10
 - (a) Haemophilia
 - (b) Plasma

A7/1006

(Turn Over)

(2)

- (c) Thrombocytosis
- (d) Erythrocyte
- (e) Sickle cell anaemia
- (f) Anticoagulant
- (g) Schilling test

3. Answer any *three* of the following questions : 5×3=15

- (a) Write about the biochemical examination of cerebrospinal fluid (CSF).
- (b) Write a note on macroscopic examination of stool sample.
- (c) Explain the physical properties of urine.
- (d) What are the most common reasons for the presence of sugar in the urine?
- (e) Write a note on iron-deficiency anaemia.

4. Answer any *one* of the following questions : 10

- (a) Write a note on physical and morphological examination of semen.
- (b) Write about the platelet formation and its functions.
- (c) Discuss the screening tests for haemorrhagic disorders.

A7-100/1006

BV (2)/ML & MDT-2-1/17 (MC)