 C/19/PM/BMLT/3rd Sem(N)/7(U-13)

**NEW**

**2018**

**BMLT**

**3rd Semester Paramedical Examination**

**HAEMATOLOGY**

**PAPER—VII (Unit-13)**

*Full Marks* : 40

*Time* : 2 Hours

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

Answer Q. No. *1* and any *three* from the rest.

**1.** Answer any *five* questions : 5×2

(a) Write the advantages and disadvantages of chromic acid or chromerge as a cleaning agents, in pathology laboratory.

(b) What types of precautions are taken at the time of blood collection from children.

(c) Write the compositional differences between plasma and serum.

(d) State the clinical significance of platelet count.

(e) What are the causes of low haemoglobin ?

(f) Mention the name of endogenous anticoagulant.

(g) What is hemophilia ?

(h) What are the extrinsic components responsible for initiation of blood clotting.

**2.** (a) Briefly describe the separation technique of plasma and cells of blood.

(b) What do you mean by bleeding time and clotting time.

(c) Define PCV.





(d) What are the symptoms of low Hb level.

2+(2+2)+(2+2)

**3.** (a) Write the clinical importance of MCHC ?

(b) What is ESR ? How do you measure ESR in the laboratory ?

(c) What are the symptoms of bleeding disorder ?

2+(2+3)+3

**4.** (a) What do you mean by haemostasis ?

(b) Discuss different steps of blood coagulation ?

(c) Write any two pathological condition when platelet count is decreased. 2+2+(1+2)+3

**5.** (a) Why blood test is so important before marriage ?

(b) What is thalassemia ? What causes thalassemia ?

(c) Briefly explain the different types of thalassemia ?

(d) How does heparin act as anticoagulant ?

1+(1+2)+4+2

6. (a) Describe the laboratory method of total count of RBC.

(b) Explain the relation between haemoglobin and haematocrit in the definition of anaemia.

(c) What is the clinical importance of high haematocrit value ?

(d) Write the clinical significance of MCV. 4+2+2+2

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