

P25/HSC128/EE/20160527

Time : 3 Hours

Marks : 80

Instruction :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) Describe host parasite relationship and its types. 5
 - b) Enlist pathogenicity of E.histolytica and Describe in short its lab. diagnosis. 5
 - c) Describe collection and processing of urethral swab for parasitology. 5
 - d) Describe variations in size of RBCs. 5
 - e) Describe Osmotic Fragility Test (OFT). 5
2. Solve any **four** sub-questions.
 - a) Describe G. Lamblia and its life cycle. 5
 - b) Describe five stages of hook worm life cycle. 5
 - c) Describe life cycle of Malaria parasite in mosquito. 5
 - d) Describe rouleaux formation and cold agglutinins with its significance. 5
 - e) Describe G6PD deficiency test. 5
3. Solve any **four** sub-questions.
 - a) Describe life cycle of Ascaris lumbricoides. 5
 - b) Describe lab diagnosis of sleeping sickness and morphology of the parasite. 5
 - c) Describe morphological classification of anaemia with examples. 5
 - d) Describe procedure of Bone Marrow Aspiration. 5
 - e) Describe causes of Monocytosis and Lymphocytosis. 5

4. Solve any **four** sub-questions.
- a) Describe pathogenesis and lab diagnosis of hook worm with morphology of Egg. 5
 - b) Describe different colours of stool, its significance and factor interfering it. 5
 - c) Describe causes, Blood picture and investigations in Megaloblastic Anaemia. 5
 - d) Enlist any six anomalies of neutrophil and describe one in short. 5
 - e) Classify leukaemia and describe each in short. 5

