

**QP Code:102177**

**Reg. No.:.....**

**P.G. Diploma Regular/Supplementary Examinations in Clinical Pathology (DCP) May 2022**

**Paper II – Haematology including blood bank, Clinical Pathology and Cytology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. A 48 -year-old male presented with pallor and easy fatiguability. He complains of sore throat and tingling in hands and feet. His haemoglobin level was 9 gms /dl. He gives history of undergoing partial gastrectomy 3 years ago for gastric ulcer.
  - a) What is your diagnosis
  - b) Describe the pathogenesis of this disease
  - c) Describe the peripheral blood picture and bone marrow appearance in this patient
  - d) Write a note on red cell indices

**(2+7+3+3+5)**

**Short essays:**

**(8x10=80)**

2. Classify plasma cell dyscrasias and discuss their laboratory diagnosis
3. Liquid based cytology
4. International normalized ratio
5. Discuss investigations for mismatched blood transfusion
6. Quality control in blood banking
7. Bethesda system of reporting Thyroid cytology
8. EBV related lymphoproliferative disorders
9. Enumerate revised WHO classification (2017) of acute myeloid leukaemia

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