

MANIPAL UNIVERSITY**DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION – APRIL 2008****SUBJECT: PAPER I: MICROBIOLOGY INCLUDING PARASITOLOGY**

Tuesday, April 01, 2008

Time: 3 Hrs.

Max. Marks: 100

- ✍ **Answer all the questions.**
✍ **Draw labeled diagrams wherever appropriate.**

SECTION – 'A'

1. Discuss the pathogenesis and laboratory diagnosis of enteric fever.
(6+10 = 16 marks)
2. Define and classify hypersensitivity. Write in detail about type III hypersensitivity.
(2+4+10 = 16 marks)
3. Write short notes on:
 - 3A. Cytokines
 - 3B. Agglutination reactions
 - 3C. Pasteurisation

(6×3 = 18 marks)

SECTION – 'B'

4. Classify arboviruses. Enumerate the arboviral diseases seen in India. Add a note on Japanese B encephalitis.
(4+4+8 = 16 marks)
5. Describe the life cycle of *Ascaris lumbricoides*. Write in detail the laboratory diagnosis of infection with *A. lumbricoides*.
(8+8 = 16 marks)
6. Write short notes on:
 - 6A. *Cryptococcus neoformans*
 - 6B. Dermatophytes
 - 6C. Blood culture

(6×3 = 18 marks)

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DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION – APRIL 2008

SUBJECT: PAPER II: CLINICAL PATHOLOGY, HAEMATOLOGY, BLOOD BANKING
& CYTOPATHOLOGY INCLUDING LABORATORY TECHNIQUES

Wednesday, April 02, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ Answer all the questions.

✍ Draw labeled diagrams wherever appropriate.

1. Discuss the etiology and laboratory investigations in a patient suspected to have megaloblastic anaemia.
(16 marks)
2. Classify acute leukaemias and discuss the diagnostic tests currently available.
(16 marks)
3. Write briefly on:
 - 3A. Formed elements in urine
 - 3B. Christmas disease
 - 3C. Fresh frozen plasma(6×3 = 18 marks)
4. Mention the various special stains used in surgical pathology and their utility in diagnosis.
(16 marks)
5. Discuss the role of fine needle aspiration cytology in the diagnosis of thyroid lesions.
(16 marks)
6. Write short notes on:
 - 6A. Papnet.
 - 6B. Occult blood in the stool.
 - 6C. Hypereosinophilic syndrome.(6×3 = 18 marks)

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DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION – APRIL 2008

SUBJECT: PAPER III: GENERAL & SYSTEMIC PATHOLOGY

Thursday, April 03, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ Answer all the questions.

✍ Draw labeled diagrams wherever appropriate.

1. Classify the types of hypersensitivity. Describe delayed hypersensitivity with reference to tuberculin reaction.

(16 marks)

2. Describe the mechanism of metastasis.

(16 marks)

3. Write briefly on:

3A. Embryonic stem cells.

3B. AIDS-defining infections and neoplasms.

3C. Reperfusion injury.

(6×3 = 18 marks)

4. Classify surface epithelial tumours of the ovary. Discuss serous tumours, with a note on borderline serous neoplasms.

(16 marks)

5. Describe Hepatitis virus B infection including morphology of the liver, serological diagnosis and potential outcome of infection.

(16 marks)

6. Write short notes on:

6A. Peutz-Jeghers polyp.

6B. Phyllodes tumour.

6C. Burkitt lymphoma.

(6×3 = 18 marks)