Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

Time: 3 Hrs. [Max. Marks: 100]

PATHOLOGY - PAPER I (Revised Scheme II)

QP Code: 1081

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Classify and list the different pathophysiologic categories of edema and describe the pathogenesis of cardiac edema
2. Define granuloma. List the diseases with granulomatous inflammation. Describe the lesions in primary tuberculosis

SHORT ESSAY **10 X 5 = 50 Marks**

3. Hemophilia A
4. Definition, types and mechanism of hypertrophy
5. Definition, types and examples of pathologic calcification
6. Classification of leukemia
7. Laboratory diagnosis of cancer
8. Type III hypersensitivity reaction
9. Methods of hemoglobin estimation
10. Cellular events in acute inflammation
11. Laboratory finding in multiple myeloma
12. Laboratory findings in chronic myeloid leukemia

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SHORT ANSWERS **10 X 3 = 30 Marks**

13. Conditions associated with eosinophilia
14. Tests for proteinuria
15. Uses of pap smear
16. Crisis in sickle cell anemia
17. Special stains for fat
18. Peripheral blood picture in thalassemia
19. Define and list different types of emboli
20. List four morphologic patterns of acute inflammation
21. Enumerate diseases transmitted by blood transfusion
22. Microscopic feature of chronic venous congestion of lung

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

Time: 3 Hrs. [Max. Marks: 100]

PATHOLOGY - PAPER II (Revised Scheme II)

QP Code: 1082

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. A 52 year old female presented with lump in the right breast which was noticed 6 months back. On examination of the lump it was firm to hard and fixed to the underlying structures and skin with 5 palpable lymphnodes in the right axilla. After the FNAC she underwent mastectomy
   a) What is the probable diagnosis?
   b) Describe the etiopathogenesis of the condition
   c) Write the morphology of the lesion in the breast
2. Define and classify cirrhosis. Describe the morphological features of alcoholic cirrhosis

SHORT ESSAY **10 X 5 = 50 Marks**

3. Gross and microscopic appearance of atherosclerosis
4. Etiopathogenesis of infective endocarditis
5. Morphology of small cell carcinoma of lung
6. List different types of emphysema and a note on its etiopathogenesis
7. Differences between ulcerative colitis and Crohn disease
8. Mention three categories of Burkitt lymphoma and its morphology
9. Morphology of multinodular goitre
10. Renal changes in diabetes mellitus
11. Morphology of mucinous cystadenoma of ovary
12. Gross, microscopic and radiological features of osteosarcoma

SHORT ANSWERS **10 X 3 = 30 Marks**

13. List complications of peptic ulcer
14. Microscopic features of pleomorphic adenoma
15. Appearance of diagnostic cell of Hodgkin lymphoma
16. Microscopic features of Hashimoto's thyroiditis
17. Microscopic features of neuroblastoma
18. List diseases caused by Epstein Barr virus
19. Differences between hydatidiform mole and choriocarcinoma
20. Microscopic features of squamous cell carcinoma of skin
21. Gross features of mycetoma
22. CSF findings in pyogenic meningitis

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

Time: 3 Hrs. [Max. Marks: 100]

MICROBIOLOGY - PAPER I (Revised Scheme II)

QP Code: 1083

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify Mycobacteria of medical importance. Describe in detail the laboratory diagnosis of a suspected case of Pulmonary, Tuberculosis. Add a note on RNTCP
2. Define and classify Hypersensitivity. Describe in detail type I Hypersensitivity

SHORT ESSAY

10 X 5 = 50 Marks

3. Structure and functions of Immunoglobulin M
4. ELISA test
5. Principle and functions of an autoclave
6. EL tor vibrio
7. Pathogenesis of gas gangrene
8. Bacterial conjugation and its clinical significance
9. Epidemic typhus
10. Laboratory diagnosis in a suspected case of diphtheria
11. Bacterial spore
12. Laboratory diagnosis in a case of plague

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SHORT ANSWERS

10 X 3 = 30 Marks

13. Malignant pustule
14. Lyme disease
15. 3 differences between 'B' & 'T' lymphocytes
16. Gasseous sterilization
17. Compare and contrast and contrast exotoxins and endotoxins
18. Name 3 interleukins and state their predominant function
19. Satelletism
20. Bacterial filters
21. Louis Pasteur
22. Elementary body

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

Time: 3 Hrs. [Max. Marks: 100]

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19. Satelletism
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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

Time: 3 Hrs. [Max. Marks: 100

MICROBIOLOGY - PAPER II (Revised Scheme II)

QP Code: 1084

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Describe the pathogenesis, laboratory diagnosis and prophylaxis of Poliomyelitis
2. Mention the general features of cestodes. Describe the pathogenesis and laboratory diagnosis of Hydatid disease

SHORT ESSAY

10 X 5 = 50 Marks

3. Detection of growth in tissue culture
4. Epstein barr virus
5. Slow viral disease
6. Cryptococcosis
7. Life cycle of Strongyloides stercoralis
8. Bacteriophage
9. Intestinal flagellates
10. Morphology of Influenza virus
11. Enterobius vermicularis
12. Viral zoonotic diseases

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SHORT ANSWERS

10 X 3 = 30 Marks

13. Name three Arboviral infections seen in India
14. Mycotoxins
15. Name three agents causing superficial mycosis
16. Pathogenesis of Leishmania donovani
17. Modes of transmission of HIV
18. Name three complications produced by plasmodium falciparum
19. Cercaria
20. Enumerate parasites causing anaemia
21. Street virus and fixed virus
22. Dane particle

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

Time: 3 Hrs. [Max. Marks: 100]

MICROBIOLOGY - PAPER II (Revised Scheme II)

QP Code: 1084

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Describe the pathogenesis, laboratory diagnosis and prophylaxis of Poliomyelitis
2. Mention the general features of cestodes. Describe the pathogenesis and laboratory diagnosis of Hydatid disease

SHORT ESSAY **10 X 5 = 50 Marks**

3. Detection of growth in tissue culture
4. Epstein barr virus
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7. Life cycle of Strongyloides stercoralis
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12. Viral zoonotic diseases

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14. Mycotoxins
15. Name three agents causing superficial mycosis
16. Pathogenesis of Leishmania donovani
17. Modes of transmission of HIV
18. Name three complications produced by plasmodium falciparum
19. Cercaria
20. Enumerate parasites causing anaemia
21. Street virus and fixed virus
22. Dane particle

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

Time: 3 Hrs. [Max. Marks: 100]

PHARMACOLOGY - PAPER I (Revised Scheme II)

QP Code: 1085

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Classify Antihypertensive drugs. Explain pharmacological actions, adverse effects and uses of Ramipril
2. Classify Antiepileptic drugs. Explain pharmacological actions, adverse effects and uses of Carbamazepine

SHORT ESSAY **10 X 5 = 50 Marks**

3. Potassium sparing Diuretics
4. Bioavailability of drugs
5. Treatment of Iron Toxicity
6. Drugs used for Open Angle Glaucoma
7. Adverse effects of Atropine and mention the atropine congeners used in Gastro intetinal diseases
8. Enlist drugs used for migraine with their mechanism of action
9. Uses of Antiplatelet drugs
10. Mechanism of action of Neostigmine and its indications
11. Name Morphine congeners. Side effects and uses of Pethidine
12. Newer antiepileptic agents

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Losartan
14. Warfarin
15. Fluoxetine
16. Drug Synergism
17. Lovastain
18. Frusemide
19. Dopamine
20. Xylocaine
21. First pass metabolism
22. Salbutamol

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

Time: 3 Hrs. [Max. Marks: 100]

PHARMACOLOGY - PAPER II (Revised Scheme II)

QP Code: 1086

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

2 X 10 = 20 Marks

LONG ESSAY

1. Enlist Beta-lactam antibiotics. Write mechanism of action, adverse effects and uses of Amoxicillin
2. Rationale of using Oestrogens and Progestogens in oral contraceptives. Explain the adverse effects of Ostrogens

10 X 5 = 50 Marks

SHORT ESSAY

3. Role of Cortocosteroids in Bronchial Asthma
4. Proton pump inhibitors
5. Thyroid Inhibitors
6. Antioestrogens
7. Oxytocin and treatment of Postpartum haemorrhage
8. Systemic Antifungal agents
9. Uses of Prostaglandins
10. Pharmacological actions and uses of Thiazolidinediones
11. Treatment of extra intestinal amoebiasis
12. Chloroquine uses and adverse effects

10 X 3 = 30 Marks

SHORT ANSWERS

13. Azithromycin
14. Ofloxacin
15. Glibenclamide
16. Bromocriptine
17. Combination of amoxicillin and clavulanic acid
18. Long acting Beta-2 agonists
19. Griseofulvin
20. Desferrioxamine
21. Methotrexate
22. Azathioprine

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - January 2009

Time: 3 Hrs. [Max. Marks: 100]

FORENSIC MEDICINE (Revised Scheme II)

QP Code: 1087

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Define and classify abrasions. Discuss their medico-legal importance
2. Define and classify medical negligence. What precautions a medical practitioner is supposed to take to avoid allegation of medical negligence?

SHORT ESSAY **10 X 5 = 50 Marks**

3. Inquest
4. Briefly discuss medico-legal importance of teeth
5. Discuss the conditions which mimic rigor mortis
6. Describe patho-physiology of salt water and fresh water drowning
7. Discuss consumer protection act as applicable to medical practice
8. What is 'live birth'? Describe the principle and method of performing hydrostatic test
9. Describe the management of a case of organo-phosphorus compound poisoning
10. Define Delusion. Discuss their medico-legal significance
11. Define and classify antidotes. Describe mode action of each group, including chelating agents, with examples
12. Discuss medico-legal importance of pregnancy

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Mummification
14. Self-inflicted wounds
15. Signs of ligature strangulation
16. Define rape
17. Types of autopsy
18. Different types of hymen
19. Types of consent in medical practice
20. Methods used to carry out MTP
21. Treatment of acute (ethyl) alcohol poisoning
22. Cooling of body

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