Rajiv Gandhi University of Health Sciences, Karnataka

29

M.B.B.S. PHASE II Degree Examination – Dec 2012

Time: Three Hours **Max. Marks: 100 Marks**

MICROBIOLOGY -Paper -I
(RS2 & RS3 SCHEME)
QP Code: 1083

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Describe the structure and functions of Immunoglobulin G. Add a note on monoclonal antibodies.[4+3+3]
2. Classify medically important Clostridia. Describe pathogenesis and laboratory diagnosis of gas gangrene[2+4+4]

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Structure of bacterial cell wall
4. Disinfectants used in hospitals
5. Pathogenesis of Typhoid fever
6. Mechanism of Anaphylaxis.
7. Bacteriological examination of drinking water
8. Q fever
9. Immunoprophylaxis of diphtheria
10. Etiology and laboratory diagnosis of acute pyogenic meningitis.
11. Blood culture
12. Diarrhoegenic E.coli

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

13. Selective media
14. Koch's postulates
15. Prozone phenomenon
16. Uses and demerits of VDRL test
17. Laboratory diagnosis of Staphylococcal skin infection
18. Mantoux test
19. Mechanism of action of cholera toxin
20. Events in log phase of bacterial growth curve
21. Adjuvants
22. Complement deficiency diseases

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Rajiv Gandhi University of Health Sciences, Karnataka

30

M.B.B.S. PHASE II Degree Examination – Dec 2012

Time: Three Hours **Max. Marks: 100 Marks**

MICROBIOLOGY -Paper -II
(RS2 & RS3 SCHEME)
QP Code: 1084

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Describe the pathogenesis, laboratory diagnosis and prophylaxis of Rabies. 4+3+3
2. Classify flagellate protozoa. Describe life cycle, pathogenesis and laboratory diagnosis of Giardia lamblia. 2+2+3+3

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Eumycotic mycetoma
4. Blood culture
5. Serological markers of hepatitis B virus infection
6. Zoonotic infections
7. Slow viral infections
8. Polio vaccines
9. Antigenic variations in influenza virus
10. Laboratory diagnosis of Toxoplasmosis
11. Cysticercus cellulosae
12. Laboratory diagnosis of Kala azar

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

13. Mycotoxins
14. List viruses causing haemorrhagic fever
15. Laboratory diagnosis of candidiasis
16. Laboratory diagnosis of chicken pox
17. Congenital rubella syndrome
18. Structure of hydatid cyst
19. DEC provocation test
20. Visceral larva migrans
21. List methods of cultivation of viruses
22. Life cycle of Naegleria fowleri

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Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – Dec 2012

Time: Three Hours **Max. Marks: 100 Marks**

FORENSIC MEDICINE
(RS2 & RS3 SCHEME)
QP Code: 1087

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Describe the various injuries sustained by a pedestrian being hit by a motor vehicle. Add a note on railway injuries.
2. Define Medical negligence. Explain the various ingredients of medical negligence. Add a note on contributory negligence.

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Post mortem cooling of the body
4. Super imposition technique
5. Grievous hurt
6. Causes of death in burns
7. Artificial insemination
8. Probable signs of pregnancy
9. Differences between true and feigned insanity
10. Rodenticides
11. Legal duties of doctor in poisoning cases
12. Paracetamol poisoning

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

13. Cross examination
14. Cadaveric spasm
15. Judicial hanging
16. Sadism
17. Bestiality
18. Rule of Haase
19. Blood grouping in disputed paternity
20. Lucid interval in psychiatry
21. Scorpions
22. Carboluria

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Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – Dec 2012

Time: Three Hours **Max. Marks: 100 Marks**

Pathology-Paper -I
(RS2 & RS3 SCHEME)
QP Code: 1081

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Classify hemolytic anemias. Discuss the laboratory diagnosis of Thalassemias.
2. Compare with the help of suitable diagrams wound healing by primary and secondary intention. Discuss the factors promoting and delaying the process.

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Gangrene
4. Pathological Calcification
5. Oppurtunistic infections in AIDS
6. Classify Leprosy. Compare the major types of leprosy
7. Chronic venous congestion-liver,lung
8. Define edema. Mention the types and write the pathogenesis in brief.
9. Chemical carcinogenesis
10. List the Causes of thrombocytopenia. Discuss Idiopathic Thrombocytopenic Purpura.
11. Tabulate the differences between Myeloblast and Lymphoblast.
12. Vascular events in acute inflammation

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

13. LE cell
14. ESR (Erythrocyte Sedimentation Rate)
15. Blood grouping
16. Enumerate the important liver function tests.
17. Klinefelter's Syndrome
18. CSF findings in tubercular meningitis.
19. Causes of proteinuria.Name the methods of detection.
20. Indications for bone marrow biopsy
21. What are Romanowsky stains. Give examples
22. Sample collection and preservatives used for urine examination

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Rajiv Gandhi University of Health Sciences, Karnataka

33

M.B.B.S. PHASE II Degree Examination – Dec 2012

Time: Three Hours **Max. Marks: 100 Marks**

Pathology-Paper -II
(RS2 & RS3 SCHEME)
QP Code: 1082

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. What is emphysema? Write the types of emphysema? Describe the pathogenesis of emphysema.
2. Classify viral hepatitis. Describe the structure, course of disease and serological markers for hepatitis B virus.

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Infective endocarditis
4. Atrial septal defect
5. Iodine deficiency goiter
6. Hirschprung disease
7. Cholelithiasis
8. Barrett esophagus
9. Nephrotic syndrome
10. Endometriosis
11. Rheumatoid arthritis
12. Meningioma

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

13. Leukoplakia
14. Microscopy of Warthins tumor
15. Complications of portal hypertension
16. Morphology of renal cell carcinoma
17. Hormonal changes in endometrium
18. Gynecomastia
19. TB meningitis
20. Rickets
21. Morphology of osteosarcoma
22. Morphology of duct papilloma of breast

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Rajiv Gandhi University of Health Sciences, Karnataka

34

M.B.B.S. PHASE II Degree Examination – Dec 2012

Time: Three Hours **Max. Marks: 100 Marks**

PHARMACOLOGY -Paper -I
(RS2 & RS3 SCHEME)
QP Code: 1085

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Classify antiepileptic drugs. Explain the mechanism of action, uses and adverse effects of phenytoin.
2. Classify anticoagulants. Explain the mechanism of action, uses and adverse effects of warfarin. Add a note on low molecular weight heparins.

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Transdermal drug delivery system
4. Succinylcholine
5. Drug antagonism
6. Atypical antipsychotics
7. Pre – anaesthetic medication
8. Osmotic diuretics
9. Nitroglycerine
10. Uses of β blockers
11. Atropine substitutes used in the eye
12. Uses and adverse effects of morphine

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

13. Drug therapy of organophosphorus poisoning
14. Name two calcium channel blockers and explain two uses of them
15. Tachyphylaxis
16. Name two angiotensin converting enzyme(ACE)inhibitors. Mention two uses and two adverse effects of any one.
17. Why is levodopa combined with carbidopa in Parkinsonism?
18. First dose phenomenon
19. Explain the drug interaction between hydrochlorothiazide and amiloride
20. Amiodarone
21. Explain two uses of adrenaline
22. Prodrug

Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – Dec 2012

Time: Three Hours **Max. Marks: 100 Marks**

PHARMACOLOGY -Paper -II
(RS2 & RS3 SCHEME)
QP Code: 1086

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Classify cephalosporins. Describe the mechanism of action, spectrum, adverse effects and indications.
2. Classify oral antidiabetic agents. Write the mechanism of action and adverse effects of any THREE of them. Add a note on management of diabetic ketoacidosis.

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Ampicillin
4. Rifampicin
5. Azole antifungal agents
6. Protease inhibitors
7. Chloroquine
8. Natural products used in cancer
9. Therapeutic uses of glucocorticoids
10. Vitamin D
11. Osmotic purgatives
12. Anti-H.pylori agents

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

13. Methotrexate
14. Second-generation H_1-antihistamines
15. Indomethacin
16. Mast cell stabilizers
17. Desferrioxamine
18. Immunosuppressants
19. Uricosuric agents
20. Tocolytics
21. L-Asparaginase
22. Clomiphene citrate

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Rajiv Gandhi University of Health Sciences

36

M.B.B.S. PHASE - II Degree Examination - June / July 2012

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 Hypersensitivity. Describe the mechanism of each one of them with examples
2. Describe the morphology, pathogenesis and lab diagnosis of cholera

SHORT ESSAY

10 X 5 = 50 Marks

3. Louis pasteur
4. Sterilization by Radiation
5. Anaerobic culture methods
6. Mutation and drug resistance
7. Specific tests for Syphillis
8. Bacterial virulence factors
9. Human leukocyte antigens (HLA)
10. Cell medicated immune response
11. Gas gangrene
12. Chlamydia

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SHORT ANSWERS

10 X 3 = 30 Marks

13. Bacterial spore
14. Transposons
15. Polymerase chain reaction
16. Endotoxin
17. Adjuvants
18. Direct immunoflorescence
19. Gardenella vaginalis
20. Widal test
21. Classify streptococci
22. Well – Felix test

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~~33~~ 37

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June / July 2012

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 in detail geographical distribution, habitat, morphology, lifecycle and pathogenecity of Leishamania donavani
2. Draw labelled diagram of rabies virus. Describe the laboratory diagnosis and prophylaxis of rabies

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

3. Modes of transmission of infection
4. Urinary tract infection
5. Histoplasma capsulatum
6. Mycetoma
7. Post exposure porphylaxis for HIV
8. Epstein – bar virus
9. Measles virus
10. Rhinoviruses
11. Trichomonas vaginalis
12. Classification of microfilaria

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

13. Structure of viruses
14. Uses of embryonated egg
15. Name methods of viral assays
16. Prions
17. Vectors in parasitology
18. Genital flagellates
19. Casoni's test
20. Occult filariasis
21. Hymenoleps nana
22. Stoll's method for worm burden

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38

1081_2012_2_S263

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June / July 2012

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. Define shock? What are the different types of shock? Describe the pathogenesis of septic shock.
2. Classify leukemia. Write the clinical features, FAB classification and the diagnostic methods used in the diagnosis of ALL.

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

3. Down's syndrome
4. Anogenital syphilis
5. Viral carcinogenesis
6. Necrosis and its various types – with examples
7. Steps of wound healing
8. Type I hypersensitivity reaction
9. Hereditary spherocytosis
10. Various methods of Haemoglobin estimation
11. Types of anticoagulants
12. Blood transfusion reactions.

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

13. Chronic venous congestion of lung
14. Marasmus
15. Handling of infected material in HIV infection
16. Plasmapheresis
17. Diagnosis of sickle cell anemia
18. Erytmrocyte Sedimentation Rate
19. Fine Needle Aspiration Cytology
20. CSF findings in pyogenic meningitis
21. Reticulocyte
22. Peripheral smear findings in Iron deficiency Anaemia.

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1082_2012_2_S271

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June / July 2012

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. Classify testicular tumours. Write in detail the gross and histopathology of seminoma
2. Write about the etiopathogenesis and pathology of myocardial infarction with the diagnostic tests

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

3. Tuberculoma
4. Phyllodes tumour
5. Pathogenesis of gouty arthritis
6. Vriral hepatitis
7. Wilms tumour
8. Dermoid cyst ovary
9. Diabetic nephropathy
10. Hodgkins lymphoma
11. Fat necrosis
12. Hyper splenism

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

13. Aschoff nodule
14. Pleomorphic adenoma
15. Complications of cirrhosis
16. Pneumoconiosis
17. Endometriosis
18. Barrets oesophagus
19. Cystic disease of kidney
20. Xeroderma pigmentosum
21. Types of emphysema
22. Haemangioma

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June / July 2012

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. Discuss on the factors modifying drug effect
2. Classify anti-anginal drugs. Write the mode of action, pharmacological effects, therapeutic uses and adverse effects of calcium channel blockers.

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

3. Microsomal enzyme induction
4. Reversible anti-cholinesterases
5. Uses and adverse effects of α – adrenergic blockers
6. Pre – anesthetic medication
7. Levodopa
8. Carbamazepine
9. Uses and adverse effects of Tricyclic antidepressants
10. Pharmacological effects and uses of digoxin
11. HMG-CoA reductase inhibitors
12. Warfarin

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

13. Atropine poisoning
14. Dopamine
15. β- blockers in glaucoma
16. Uses of neuromuscular blockers
17. Lidocaine in arrhythmias
18. Sodium nitroprusside
19. Non – benzodiazepine hypnotics
20. Risperidone
21. Uses of diuretics
22. Erythropoietin

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination – June / July 2012

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.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify Beta lactam antibiotics. Explain the pharmacology of second generation cephalosporins. Write a note on Aztreonam.
2. Classify corticosteroids. Explain the mechanism of action. Adverse effects and contraindications of Corticosteriods. Write a note on methods to overcome the HPA Suppression.

SHORT ESSAY

10 X 5 = 50 Marks

3. Treatment of GERD
4. Uterine Stimulants
5. 5-HT antagonists
6. Methotrexate
7. Penicillamine
8. Drugs for Acne Vulgaries
9. Oral contraceptive pills
10. Metronidazole
11. Drugs in Typhoid
12. INH

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SHORT ANSWERS

10 X 3 = 30 Marks

13. Drug treatment of Pseudomembranous Colitis
14. Incretin analogues
15. Neviripine
16. Linezolid
17. Calcipotriol
18. Drugs used in motion sickness
19. Levamisole
20. Oxidizing agents
21. III generation Fluoroquinolones
22. Clofazamine

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1083_2011_2_S272

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - Dec 2011 / Jan 2012

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 hypersensitivity reactions. Describe in detail Type I hypersensitivity reaction
2. Discuss the pathogenicity and laboratory diagnosis of enteric fever. Add a note on its prophylayis

SHORT ESSAY

10 X 5 = 50 Marks

3. Hot air oven
4. Group B. Streptococci
5. Mechanisms of autoimmunity
6. MRSA
7. Anaerobic culture methods
8. Halophilic vibrios
9. Helicobacter pylori
10. Bacterial conjugation
11. Laboratory diagnosis of pulmonary tuberculoses
12. Biological functions of complement

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SHORT ANSWERS

10 X 3 = 30 Marks

13. Give 3 contributions of louis Pasteur
14. Artifical active immunity
15. Classify Atypical Mycobacteria with examples
16. Define Heterophile antigen. Give two examples
17. Structure of Immunoglobulin G. (IgG)
18. Differences between EI – tor and Classical vibrios
19. Name Specific tests for syphilis
20. Indole tests
21. Names 3 methods to demonstrate motility of bacteria
22. Lepromin test

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