Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DEC-2015

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

Forensic Medicine (RS2 & RS3 Scheme)

Q.P. 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. Define Infamous Conduct. Explain with suitable examples. Mention how State Medical Council takes disciplinary action for Infamous Conduct.
2. Define and classify Hanging. Describe the postmortem findings in a death due to Hanging.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Universal Antidote
4. Hallucination
5. Mc Naughten's Rule
6. Difference between Strychnine poisoning and Tetanus
7. Botulism
8. Cocainism
9. S.354 IPC
10. Artificial Insemination
11. Exhumation
12. Obscure autopsy

SHORT ANSWERS

10 x 3 = 30 Marks

13. Super fecundation
14. Types of Hymen
15. Tribadism
16. Positive signs of Pregnancy
17. Lochia
18. Rule of Nine
19. Truth serum drugs
20. Hazards of blood transfusion
21. Rigor Mortis
22. Locard's Exchange Principle

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Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – DEC-2014

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. Define and classify sterilization. Discuss dry heat sterilization. 1+3+6
2. Describe pathogenesis and laboratory diagnosis of Diphtheria. Add a note on prophylaxis. 3+4+3

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

3. Bacterial spore
4. Growth curve of bacteria
5. Laboratory diagnosis of cholera
6. Type III hypersensitivity
7. Structure of Ig A
8. Passive immunity
9. Give a brief account of cells of lymphoreticular system
10. Laboratory diagnosis of pulmonary tuberculosis
11. VDRL test
12. Pathogenesis of tetanus

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

13. Enumerate bacteria causing acute pyogenic meningitis in various age groups of patients
14. Presumptive coliform count
15. Anaerobic culture media
16. Properties of antigen
17. Types of primary immunodeficiency diseases and one example for each
18. Chemical mediators of anaphylaxis and their actions
19. Enumerate various methods of performing antimicrobial susceptibility testing
20. Weil Felix test
21. Methods to detect carriers of typhoid fever
22. Enumerate agents causing various types of bacterial food poisoning

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M.B.B.S. PHASE II Degree Examination – DEC-2014

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 structure, pathogenesis and laboratory diagnosis of Human Immunodeficiency virus.
2. Classify Filariasis. Describe pathogenesis and laboratory diagnosis of lymphatic filariasis.

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

3. Viral diarrhoea
4. Give brief account of dermatophytes
5. Rhinosporidiosis
6. Mycetoma
7. Food poisoning
8. Slow viral infections
9. Japanese B encephalitis
10. Cryptosporidiosis
11. Guinea worm disease
12. Stool examination for parasites

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

13. Cytopathic effect
14. Infections caused by Herpes simplex virus
15. Ebola virus diagnosis
16. Pathogenesis of Rabies
17. MMR vaccine
18. Laboratory diagnosis of Giardiasis
19. Xenodiagnosis
20. Laboratory diagnosis of extraintestinal amoebiasis
21. Enumerate parasites detected in peripheral smear
22. Life cycle of Trichuris trichiura

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DEC-2014

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

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. 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. Describe the mechanism of antiepileptic action, therapeutic uses and adverse effects of Phenytoin Sodium.
2. Describe the pharmacological actions, therapeutic uses and adverse effects of Angiotensin Converting Enzyme (ACE) inhibitors.

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

3. Intravenous route of drug administration
4. Drug Tolerance
5. Methods of prolonging duration of action of a drug
6. Therapeutic uses of beta blockers
7. Atropine substitutes
8. Drug treatment of acute congestive glaucoma
9. Chlorpromazine
10. Actions of morphine on central nervous system
11. Glyceryl trinitrate
12. Therapeutic uses and adverse effects of Thiazides

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

13. Give the pharmacological basis for combining carbidopa with levodopa.
14. Why adrenaline is combined with local anaesthetics?
15. Why benzodiazepines are preferred to barbiturates as hypnotics?
16. What are advantages and disadvantages of selective COX-2 inhibitors?
17. Explain the basis for use of disulfiram in alcoholism.
18. How do verapamil and Nifedipine differ in their cardiovascular actions?
19. What is the basis for use of vasodilators in congestive heart failure?
20. How does spironolactone spare potassium?
21. What are advantages of low molecular weight heparins?
22. Name two parenteral iron preparations. What are indications for parenteral iron therapy?

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – II Degree Examination - December 2014

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

Pathology – Paper I (RS2 & RS3 Scheme)

Q.P. 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. Define Necrosis. Mention the different types and discuss in brief the morphology of each type.
2. Define and classify Leukemias. Discuss the Peripheral Blood Smear, Bone Marrow and the characteristic Chromosomal abnormality associated with Chronic Myeloid Leukemia.

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

3. Enumerate the differences between Transudate and Exudate.
4. Staining characteristics of Amyloid and its appearances
5. Mention the Routes of Metastasis with examples.
6. Rickets
7. Down's syndrome
8. Indications and importance of Pap Smears
9. FNAC and its applications
10. Bone Marrow findings in Megaloblastic Anaemia
11. Haemophilia
12. Sickle Cell Anaemia and its complications

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

13. Cardinal signs of Inflammation
14. Nutmeg Liver
15. Fungal infections in AIDS
16. Granuloma
17. Enumerate sexually transmitted diseases.
18. Enumerate tumour markers with associated tumours.
19. Oncogenic Viruses
20. CSF findings in Tubercular Meningitis
21. Important of Bence Jones Proteins
22. Anticoagulants

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Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – DEC-2014

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. Classify tumors of kidney. Describe etiopathogenesis and morphology of renal cell carcinoma in detail.
2. Write the inflammatory diseases of large intestine. Describe ulcerative colitis in detail. Mention the differences between ulcerative colitis and crohns disease.

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

3. Pathogenesis of myocardial infarction
4. ARDS (Acute respiratory distress syndrome)
5. Adenoid cystic tumor of salivary gland
6. Granulomatous lymphadenitis
7. Hashimoto thyroiditis
8. Pathogenesis of alcoholic liver disease
9. Hydatidiform mole
10. Fibroadenoma
11. Osteomyelitis
12. Astrocytoma

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

13. Ventricular septal defect
14. List the differences between emphysema and chronic bronchitis
15. Three etiologies of Lung abscess
16. Microscopy of acute and chronic cholecystitis
17. Causes of splenic enlargement
18. Morphology of papillary carcinoma of thyroid
19. Brain abscess
20. Osteomalacia
21. Morphology of chondrosarcoma
22. Morphology of nodular hyperplasia of prostate

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - Dec-2014

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

Pharmacology – Paper II (Revised Scheme II)

Q.P. 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. Enumerate tetracyclines. Outline their mechanism of action, therapeutic uses and adverse effects.
2. Pharmacotherapy of Rheumatoid arthritis

SHORT ESSAYS

10 x 5 = 50 Marks

3. Newer insulins
4. Beta lactamase inhibitors
5. Treatment of Migraine
6. Leukotriene antagonists
7. Bromocriptine
8. Therapeutic uses and adverse effects of Glucocorticoids
9. Mechanism of action, therapeutic uses and adverse effects of cyclophosphamide
10. Proton pump inhibitors
11. Non-nucleoside reverse transcriptase inhibitors
12. Rifampicin

SHORT ANSWERS

10 x 3 = 30 Marks

13. Name three antithyroid drugs and their mechanism of action.
14. What is Sequential blockade? Give one example.
15. Mention two Mucolytics and write the mechanism of action of any one.
16. Write mechanism of action, one use and one adverse effect of Colchicine
17. Write mechanism of action and two uses of Clomiphene citrate
18. Write two uses and one adverse effect of Ketoconazole.
19. Mention three drugs used for Lepra reaction.
20. Three uses of vitamin D
21. Name three drugs used in multidrug resistant malaria.
22. One use and two adverse effects of Desferrioxamine

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Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – June 2014

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 manifestations, treatment and medicolegal importance of datura poisoning.
2. Describe the external and internal postmortem findings in burns. Write briefly on causes of death in burns.

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

3. Privileged communication
4. Human organ transplantation Act of 1994
5. Police inquest
6. Putrefaction
7. Examination of mutiliated human remains
8. Examination of victim of rape
9. Battered baby syndrome
10. Mental health Act (1987)
11. Antidotes
12. Aspirin poisoning

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

13. Supreme court of India
14. Embalming
15. Scars
16. Fabricated wounds
17. Bore of a shotgun
18. Traumatic asphyxia
19. Precipitate labour
20. Legitimacy
21. Cot death
22. Tribadism.

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - June/July 2014

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

Pharmacology – Paper II (Revised Scheme II)

Q.P. 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 penicillins. Write mechanism of action, therapeutic uses and adverse effects of benzyl penicillin. Add a note on repository penicillins.
2. Classify drugs used in the treatment of diabetes mellitus. Write mechanism of action, therapeutic uses and adverse effects of insulin.

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

3. Ciprofloxacin
4. Methotrexate
5. Rifampicin
6. Mechanism of action, therapeutic uses and adverse effects of Carbimazole
7. Drug therapy of acute migraine
8. Inhalational Glucocorticoids
9. Protease inhibitors in treatment of HIV infection
10. Treatment of iron poisoning
11. Cotrimoxazole
12. Dapsone

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

13. Meropenem
14. Mention three artemisinin based combination therapy (ACT) regimens for uncomplicated falciparum malaria
15. Mention any six general properties of Aminoglycosides.
16. Name three uses of cyclophosphamide.
17. Vitamin A
18. Name three tocolytic drugs with their mechanism of action
19. Albendazole
20. Mesalamine
21. Lactulose
22. Mention six drugs used in treatment of enteric fever.

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - June/July 2014

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

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. 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 Anti-Parkinsonian drugs. Describe the mechanism of action, adverse effects and drug interactions of levodopa.
2. Classify calcium channel blockers. Describe their pharmacological actions, therapeutic uses and adverse effects.

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

3. Protein binding of drug and its significance
4. Factors modifying biotransformation of a drug
5. Carbamazepine
6. Spinal anaesthesia
7. Therapeutic uses and adverse effects of benzodiazepines
8. Neostigmine
9. Therapeutic uses of adrenaline
10. Pharmacological actions and uses of heparin
11. Potassium sparing diuretics
12. Pharmacological actions of organic nitrates

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

13. What are advantages and disadvantages of rectal route of drug administration?
14. What are the differences between 'type A' and 'type B' of Adverse Drug Reactions?
15. What are advantages of Selective Serotonin Reuptake Inhibitors (SSRI) over tricyclic antidepressant drugs?
16. Name two Opioid antagonists? What are their uses?
17. What is the basis for use of anticholinergics in pre-anaesthetic medication?
18. What is the basis for use of Pralidoxime in Organophosphorus compound poisoning?
19. How does clonidine produce its antihypertensive effect? What will happen if clonidine therapy is stopped abruptly?
20. What is the basis for use of beta blockers in prophylaxis of angina?
21. What are adverse effects of frusemide?
22. Explain how low dose of aspirin prevents aggregation of platelets.

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - **June/July 2014**

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

Microbiology – Paper II (Revised Scheme II)

Q.P. 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. Classify Picorna viruses. Describe the pathogenesis and laboratory diagnosis of Poliomyelitis. (2+4+4 = 10 marks)
2. Enumerate Cestodes of medical importance. Describe the morphology, life cycle, pathogenicity and laboratory diagnosis of Taenia solium. (2+2+2+2+2 = 10 marks)

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

3. Hepatitis B vaccine
4. Dermatophytes
5. Chicken Pox
6. Life cycle of Plasmodium Vivax
7. Cryptococcus neoformans
8. Clinical manifestations and laboratory diagnosis of Dengue fever
9. Trichomonas Vaginalis
10. Life cycle of Hookworm
11. Kyasanur Forest Disease
12. Laboratory diagnosis of Rabies

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

13. Germ Tube Technique
14. MMR vaccine
15. NIH swab
16. Viral interference
17. Viral Cytopathic Effect (CPE)
18. Larva Currens
19. Paul Bunnel Test
20. Enumerate three Opportunistic Fungal Infections.
21. List three Antiviral Agents.
22. KOH mount

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - June 2014

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

Microbiology – Paper I (RS2 & RS3 Scheme)

Q.P. 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. Define Sterilization and Disinfection. Describe Moist Heat Sterilization. (3+7)
2. Describe basic structure of Immunoglobulin Molecule. Describe different types of Immunoglobulins. (3+7)

SHORT ESSAYS

10 x 5 = 50 Marks

3. Transferable Drug resistance
4. Molecular diagnostic methods
5. Laboratory diagnosis of Pulmonary Tuberculosis
6. Virulence factors of Bacteria
7. Non-sporing Anaerobes
8. Bacterial food poisoning
9. Media used in diagnosis of Cholera
10. Actinomycetes
11. Innate Immunity
12. ELISA

SHORT ANSWERS

10 x 3 = 30 Marks

13. Weil Felix reaction
14. Coagulase test
15. Carrier
16. Capsule of Bacteria
17. VDRL Test
18. Elek's test
19. MRSA
20. Micrometry
21. Passive Immunity
22. Phagocytes

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - June 2014

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

Pathology – Paper II (RS2 & RS3 Scheme)

Q.P. 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. Classify Bone tumours. Describe the etiology and morphological findings of Osteogenic Sarcoma. (3+3+4 = 10 marks)
2. A 42 years old male presented with history of Fever, Cough and weigh loss since two months. X-ray of the Chest showed Cavitary Lesion in Right Apical Lobe.
   a) What is your diagnosis and why?
   b) Describe the etiopathogenesis of this disease.
   c) Describe the gross and microscopic findings in the Lung. (2+4+4 = 10 marks)

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

3. Etiopathogenesis of Colonic Carcinoma
4. Rheumatic Carditis
5. Causes of Nephrotic syndrome
6. Hepatocellular Carcinoma
7. Multiple Endocrine Neoplasia
8. Acute Pancreatitis
9. Intestinal Tuberculosis
10. Seminoma of Testis
11. Papillary Carcinoma – Thyroid
12. Choriocarcinoma

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

13. Types of Renal stones
14. Risk factors for Carcinoma Stomach
15. tuberous sclerosis
16. Morphology of Vesicular Mole
17. Microscopic findings in Malignant Melanoma Skin
18. Gouty Tophus
19. Morphology of Endometriosis of Ovary
20. Clinical features of Portal Hypertension
21. Psoriasis
22. Microscopic findings in Medulloblastoma

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