Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – II Degree Examination - DECEMBER 2015

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 Anemia. Describe the laboratory diagnosis of Iron Deficiency Anemia. (2+8)
2. Discuss the causes and pathogenesis of Venous Thrombosis. (2+8)

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

3. Chemotaxis
4. Paraneoplastic syndromes
5. Blood picture in Chronic Lymphocytic Leukemia
6. Stains for Amyloid material
7. Metastatic Calcification
8. Chemical Carcinogens
9. Down's syndrome
10. Agranulocytosis
11. Classification of Leprosy
12. Granuloma

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

13. Oliguria
14. Sickle Cell test
15. Sperm count
16. Causes for Eosinophilia
17. Fine Needle Aspiration Cytology
18. Absolute indications for Bone Marrow Aspiration
19. Renal Glycosuria
20. Wintrobe's tube
21. Benedict's test
22. Indications for Lumbar Puncture

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DECEMBER 2015

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

Pathology – Paper II (Revised Scheme II)

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. Write autopsy findings in a patient dying of Cirrhosis.
2. Classify bone tumors. Write about types, gross and microscopy of Osteosarcoma.

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

3. Trophoblastic tumors
4. Thyroid adenoma
5. Fibrocystic disease of breast
6. Acid peptic disease
7. Burkit's lymphoma
8. Lab investigations in a case of Myocardial infarction
9. Asbestos induced lung diseases
10. Hashomoto's thyroiditis
11. Leiomyoma sites, histological types, gross and microscopy
12. Sequelae of Rheumatic Heart disease

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

13. Libman – Sack's endocarditis
14. Renal osteodystrophy
15. Renal lesions in Diabetes Mellitus
16. Sequelae of Hepatitis B infection
17. Cervical intraepithelial neoplasia
18. Ewing's sarcoma
19. Phyllodes tumor
20. Immuno histochemistry and its role in diagnosis of Tumors – list four tumors.
21. Hyperbilirubinaemia
22. Flea bitten kidney

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Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – DECEMBER 2015

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 Immunity. Discuss Innate immunity. (1+3+6)
2. Enumerate medically important Spirochaetes along with diseases caused. Describe pathogenesis and laboratory diagnosis of Leptospirosis. (3+3+4)

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

3. Bacterial filters
4. Meningococcal meningitis
5. Genetic transfer by conjugation and its significance
6. Briefly write the factors predisposing to microbial pathogenicity
7. Applications of agglutination reactions
8. Non sporing anaerobes
9. Delayed hypersensitivity
10. Non suppurative complications of Streptococcus pyogenes infections and its laboratory diagnosis.
11. Pathogenesis of Tetanus
12. Laboratory diagnosis of leprosy.

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

13. Contributions of Robert Koch to microbiology
14. Anaerobic culture media
15. Enumerate methods of antimicrobial susceptibility testing and write principle of each
16. Structure of Major Histocompatibility Complex
17. Name primary lymphoid organs and write their functions
18. Cutaneous anthrax
19. Enzymes and toxins of Staphylococcus aureus
20. Cholera specimen – name three transport media with their uses
21. Vaccine for Typhoid
22. Laboratory diagnosis of Mycoplasma infections

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DECEMBER 2015

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

Microbiology – Paper II (RS2 & RS3 Scheme)
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. Enumerate Nematodes. Describe life cycle, pathogenicity and laboratory diagnosis of Ancylostoma duodenale. (2+4+2+2)
2. Describe morphology, pathogenesis and laboratory diagnosis of HIV. (3+4+3)

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

3. Herpes Simplex Virus
4. Superficial Mycoses
5. Dimorphic Fungi
6. Oncogenic Viruses
7. Multiplication of Viruses
8. Extra Intestinal Amoebiasis
9. Dengue fever
10. Viral Diarrhea
11. Bacteriophage
12. Universal Safety Precautions

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

13. Classification of Fungi
14. Fungal Food Poisoning
15. Microfilaria
16. Trichomonas vaginalis
17. Chick embryo inoculation
18. Viral Haemagglutination
19. Slow viruses
20. Larva migrans
21. Ebola virus
22. Casoni's test

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DECEMBER 2015

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. Define the term Drug Biotransformation. Describe the different types of biotransformation with suitable examples.
2. Classify the non-steroidal anti-inflammatory drugs. Write the pharmacological actions of aspirin. Mention its adverse effects and contraindications.

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

3. Therapeutic uses of anticholinesterase agents
4. Drug tolerance
5. Therapeutic uses and adverse effects of propranolol
6. Advantages and disadvantages of Halothane
7. Mechanism of action and therapeutic uses of Potassium sparing diuretics
8. Mechanism of action and therapeutic uses of Digoxin
9. Oral iron therapy
10. Mechanism of action and clinical uses of Sodium valproate
11. Pharmacotherapy of myocardial infarction
12. Atorvastatin

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

13. List three uses of Nitrates.
14. List three uses and three adverse effects of Atropine.
15. Role of barbiturates in kernicterus
16. Ethyl alcohol is used in treatment of methyl alcohol poisoning – give reasons.
17. Disadvantages of thiopental sodium
18. Rationale for combining adrenaline with lignocaine
19. Selective β_2 stimulants
20. Levodopa is not useful in drug induced Parkinsonism – give reasons
21. Name three non-depolarizing neuromuscular blockers.
22. Sodium nitroprusside

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DECEMBER 2015

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

Pharmacology – Paper II (RS2 & RS3 SCHEME)

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 drugs used in the chemotherapy of tuberculosis. Outline the mechanism of action and adverse effects of Isoniazid. Describe short course chemotherapy.
2. Classify Glucocorticoids. Describe their mechanism of anti-inflammatory actions, therapeutic uses and adverse effects.

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

3. Vinca alkaloids
4. Mast cell stabilizers
5. Management of diabetic ketoacidosis
6. Pantoprazole
7. Azithromycin
8. Third generation cephalosporins
9. Tocolytics
10. Ofloxacin
11. Fluconazole
12. Nucleoside reverse transcriptase inhibitors

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

13. Name three, second-generation H1 antihistamines and their uses.
14. Three drugs used in Chloroquine resistant falciparum malaria with their mechanism of action
15. Lactulose
16. Dimercaprol
17. Radioactive Iodine
18. Domperidone
19. Diethyl carbamazine
20. Mention three drugs used in acute Gout.
21. Three drugs used in the treatment of Lepra reaction
22. Name three insulin analogues.

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Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination – DECEMBER 2015

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 Infamous Conduct. Explain with suitable examples. Mention how State Medical Council takes disciplinary action for Infamous Conduct.
2. What is Inquest? Write about different types of inquests followed in India.

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

3. Universal antidote
4. Delusion
5. Testamentary capacity
6. Difference between Strychnine and Tetanus poisoning
7. Vitriolage
8. War gases
9. S. 320 IPC
10. Filigree burns
11. Exhumation
12. Obscure autopsy

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

13. Superfoetation
14. False virgin
15. Buccal coitus
16. Quoad hanc
17. Lochia
18. Rule of Haase
19. Precipitin test
20. Hazards of blood transfusion
21. Suspended animation
22. Locard's method

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