# Rajiv Gandhi University of Health Sciences, Karnataka

**M.B.B.S. PHASE II Degree Examination – 02-Feb-2021**

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

## PATHOLOGY-PAPER -I (RS3)
## 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. What is amyloid? Write the classification of amyloidosis. Describe its pathogenesis.
2. Define anemia. Write the morphological classification of anemias. Classify hemolytic anemias.

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

3. Chlamydial infections.
4. Pathogenesis of edema.
5. Paraneoplastic syndromes.
6. Granulomatous inflammation.
7. Metastatic calcification.
8. Klienfelters syndrome.
9. Aplastic anaemia.
10. Coombs test.
11. Significance of red cell indices.
12. Cross matching.

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

13. Metaplasia.
14. Fate of thrombus.
15. Exfoliative cytology.
16. Diseases transmitted through blood transfusion.
17. Leukemoid reactions.
18. CSF findings in tuberculoid meningitis.
19. Sahlis method of Hb estimation.
20. Indications of semen analysis.
21. EDTA (Ethylene diamine tetra-acetic acid).
22. Three special stains to demonstrate Amyloid.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS (Phase - II) Degree Examination - 04-Feb-2021**

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

## PATHOLOGY – PAPER - II (RS3)
## 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 Cirrhosis. Describe the pathology of Alcoholic Cirrhosis.
2. A sixty-year-old male had insidious onset of Dyspnoea, and Dry Cough. Chest X-ray revealed, hyperinflation of Lungs and Small Heart shadow.
   a) What is the probable diagnosis?
   b) Describe the etiopathogenesis of underlying disorder.

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

3. Hashimoto's Thyroiditis
4. Hyperparathyroidism
5. Aschoff body
6. Cholelithiasis
7. Chronic Pyelonephritis
8. Complications of Diabetes Mellitus
9. Aneurysms
10. Colorectal Cancer
11. Tumours of Adrenal Gland
12. Classification of Bone tumours

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

13. Seminoma
14. Phylloides tumour
15. Mucinous Cystadenoma – Ovary
16. Tuberculoma – Brain
17. Nephroblastoma
18. Cutaneous manifestations of Lepromatous Leprosy
19. Rhabdomyosarcoma
20. Cryptorchidism
21. Malignant Melanoma of Skin
22. Chronic Osteomyelitis

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS (Phase - II) Degree Examination - 06-Feb-2021**

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

## MICROBIOLOGY – PAPER I (RS3)
## 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. Describe gene transfer mechanisms in bacteria.
2. Define immunity. Describe in detail about Acquired immunity with examples.

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

3. Write a note on Legionella pneumophila.
4. Describe primary immune response.
5. Write a note on HLA typing.
6. Write about transplantation immunology.
7. Complement fixation test
8. Pathogenicity and virulence of Staphylococcus aureus
9. Laboratory diagnosis of Leprosy
10. Write a note on Haemophilus influenza.
11. Tuberculin test
12. Enumerate Rickettsial infections in humans.

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

13. Group B Streptococci
14. Write a note on nongonococcal urethritis.
15. Write a note on Clostridium difficile.
16. Pathogenicity of Mycoplasma pneumonia
17. Regain antibody tests
18. Anaerobic culture methods
19. Methods of transmission of infection
20. Bacterial spore
21. Blotting techniques
22. Laboratory diagnosis of actinomycosis

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS PHASE II Degree Examination – 08-Feb-2021**

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

## MICROBIOLOGY -PAPER - II (RS3)
## 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. Enumerate viruses infecting liver. Describe the pathogenesis and laboratory diagnosis of Hepatitis B virus infection.
2. Classify nematodes. Describe the life cycle and laboratory diagnosis of strongyloides stercoralis

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

3. Give a brief account of dimorphic fungal infections
4. Laboratory diagnosis of poliomyelitis
5. Nosocomial infections and control measures
6. Entamoeba histolytica
7. Viral inclusion bodies
8. Draw a neat labeled diagram of Human Immunodeficiency Virus
9. Laboratory diagnosis of Rabies
10. Complications of Falciparum malaria
11. Mycotoxins
12. Giardia lamblia

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

13. Balantidiasis
14. Visceral larva migrans
15. Egg of Ascaris lumbricoides
16. Congenital rubella syndrome
17. Calabar swelling
18. Candidiasis
19. List arboviral diseases found in India
20. Killed polio vaccine
21. Methods of cultivation of viruses
22. Viruses causing aseptic meningitis

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# Rajiv Gandhi University of Health Sciences, Karnataka

**M.B.B.S. PHASE II Degree Examination – 10-Feb-2021**

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

## PHARMACOLOGY -PAPER -I (RS3)
## 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 non-steroidal anti-inflammatory drugs. Explain the mechanism of action, uses and adverse effects of aspirin.
2. Classify anti-hypertensives with suitable examples. Explain the mechanism of action, uses and contraindications for the use of beta-adrenergic blockers.

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

3. Transdermal route of drug administration
4. Bioavailability
5. Drugs used in grand mal (GTCS) epilepsy
6. Diazepam
7. Succinylcholine
8. Methods to prolong duration of drug action
9. Therapeutic uses of organic nitrates
10. Treatment of organophosphorous poisoning
11. Anti-platelet agents
12. Vasopressin

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

13. Low-molecular weight heparins
14. Haemostatics
15. Streptokinase
16. Levodopa
17. Cheese reaction
18. Mannitol
19. Thiopentone sodium
20. Therapeutic uses of ethyl alcohol
21. Dopamine
22. First- pass metabolism

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS (Phase - II) Degree Examination – 12-Feb-2021**

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

## PHARMACOLOGY – PAPER II (RS3)
## 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 antimalarial agents based on the clinical use with suitable examples. Explain the mechanism of action and adverse effects of chloroquine. Add a note on artemisinin-based combinations therapy (ACT).
2. Classify antithyroid drugs. Discuss the mechanism of action, advantages and disadvantages of radioactive iodine.

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

3. Explain the non-endocrinal uses of corticosteroids.
4. Prokinetic drugs
5. Azithromycin.
6. Disease modifying antirheumatic drugs
7. Amphotericin B. Add a note on its formulation.
8. Hormonal contraceptives
9. Isoniazid (INH)
10. Explain the mechanism of action, uses and adverse effects of methotrexate.
11. Saline purgatives
12. Salbutamol

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

13. Chelating agents.
14. Name two second generation antihistaminics. What are their advantages over first generation antihistaminics?
15. Mention four aminoglycosides. Explain their mechanism of action.
16. Write the differences between zidovudine and nevirapine.
17. Mention the repository preparations of penicillin G. explain the prophylactic uses of penicillins.
18. Mention two Bisphosphonates. Explain their mechanism of action.
19. Write briefly on Tocolytic agents.
20. Name two drugs used in chronic gout. Explain the pharmacological basis for any one.
21. What is lepra reaction? Mention two drugs used in its management.
22. Name two Triptans and write the use.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS PHASE II Degree Examination – 15-Feb-2021**

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

## FORENSIC MEDICINE (RS3)
## 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. Define professional misconduct. Enumerate with six examples. Mention the procedure of disciplinary action in a case of alleged infamous conduct.
2. Mention the clinical features, management and postmortem appearances in a case of Organophosphate Insecticide poisoning.

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

3. Saponification and its Medicolegal importance
4. Microchemical tests to confirm blood stains
5. Sec 375 IPC with recent amendments
6. Hydrostatic test and its relevance in live birth
7. Recording of evidence in the court of law
8. Informed consent and Informed refusal
9. Plumbism
10. Postmortem Hypostasis
11. Procedure of gastric lavage and its contraindications
12. Intersex

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

13. Incest
14. Powers of Magistrate court
15. Cocainism
16. Secondary drowning
17. Delusion and its types
18. Estimation of age by Gustafson’s method
19. Caspers Dictum and its relevance
20. Nerve gases
21. Clinical features of Datura poisoning
22. Types of hymen and false virgin

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# Rajiv Gandhi University of Health Sciences, Karnataka

## MBBS (Phase - II) Degree Examination – 02-Mar-2021

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

## PATHOLOGY - PAPER I (RS3)
## 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. Define and classify shock. Describe the pathogenesis of septic shock.
2. Define and classify anemia. Describe the pathogenesis, peripheral blood picture and investigations in sickle cell anemia.

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

3. Fatty change.
4. Factors affecting wound healing.
5. Anaphylaxis.
6. Congenital syphilis.
7. Air embolism.
8. Metastasis.
9. Scurvy.
10. Features of Down Syndrome.
11. Leukemoid reaction.
12. Von Willebrand disease.

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

13. Differences between transudate and exudate.
14. Three patterns of necrosis with examples.
15. Three opportunistic infections in HIV infection.
16. Primary complex.
17. Three hypercoagulable states.
18. Red blood cell indices.
19. CSF findings in tuberculous meningitis.
20. Bombay blood group.
21. Agranulocytosis.
22. Three causes of thrombocytopenia.

# Rajiv Gandhi University of Health Sciences, Karnataka

**M.B.B.S. PHASE II Degree Examination – 04-Mar-2021**

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

## PATHOLOGY - PAPER – II (RS3)

## 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. A 40-year-old woman noticed enlargement of her anterior neck region over the past 8 months. On physical examination her vital signs include Temp 36.8 C, Pulse 64/minute, RR 15/minute, and BP 155/105 mm Hg. There was diffuse, symmetrical thyroid enlargement without tenderness. A chest radiograph was normal. Fine needle aspiration of the thyroid revealed cells consistent with a neoplasm. Laboratory studies show that she is euthyroid, but her serum ionized calcium is elevated. She is taken to surgery and a thyroidectomy is performed. Immunostaining for calcitonin of the permanent sections is positive, and the neoplasm has an amyloid stroma with Congo red staining.

    A. Which of the neoplasms is she most likely to have?

    B. Describe the morphology of the tumor.

    C. Name other tumors of thyroid

2. Classify tumors of bone. Describe gross and microscopy of osteosarcoma.

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

3. Helicobacter pylori
4. Renal calculi
5. Neuroblastoma
6. Chronic pancreatitis
7. Rheumatic heart disease
8. Precancerous lesions of skin
9. Ewings sarcoma
10. Benign teratoma ovary
11. Hashimotos thyroiditis
12. Burkitts lymphoma

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

13. Name tumors of testis
14. Name complications of myocardial infarction
15. Name complications of cirrhosis of liver
16. Microscopy of Crohn’s disease
17. Morphology of chronic pyelonephritis
18. Define and classify emphysema of lung
19. Casts in urine
20. Lab diagnosis of multiple myeloma
21. HPV virus (Human Papilloma Virus)
22. List the complications of leiomyoma uterus

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS (Phase - II) Degree Examination - 06-Mar-2021**

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

## MICROBIOLOGY – PAPER I (RS3)
## 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 and enumerate organisms causing PUO. Describe the laboratory diagnosis of Enteric fever.

2. Enumerate Antigen Antibody reactions. Describe in detail about principle, types and applications of ELISA.

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

3. Bacterial flagella.
4. Laboratory diagnosis of Diphtheria.
5. Principles and uses of autoclave.
6. Structure and functions of IgA.
7. Post Streptococcal sequelae.
8. Diarrhoeagenic E. coli.
9. Halophilic Vibrios.
10. Laboratory diagnosis of anaerobic infection.
11. Classical complement pathway.
12. Laboratory diagnosis of Syphilis.

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

13. Nagler’s reaction.
14. HACEK agents.
15. Contributions of Louis Pasteur.
16. Cholera red reaction.
17. Immune prophylaxis of Diphtheria.
18. Labeled diagram bacterial cell.
19. Classify Streptococci.
20. Culture media for Mycobacterium tuberculosis.
21. Gaseous sterilization.
22. Three difference between Active and Passive immunity.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS (Phase - II) Degree Examination - 08-Mar-2021**

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

## MICROBIOLOGY - PAPER II (RS3)
## 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. Enumerate Hepatitis causing viruses. Describe the morphology, pathogenesis and laboratory diagnosis of **Hepatitis 'B' Virus**.
2. Describe the morphology, life cycle, pathogenesis and laboratory diagnosis of echinococcus granulosus.

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

3. Candidiasis
4. Extra intestinal Amoebiasis
5. Laboratory diagnosis of HIV infection
6. Cultivation of Viruses
7. Larva migrans
8. Madura foot
9. Occult Filariasis
10. Life cycle of plasmodium in man
11. Slow virus diseases
12. Rhinosporidiosis

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

13. Trichomonas vaginalis
14. Germ tube test
15. Enumerate dimorphic fungi.
16. Parasitic diagnosis of kala azar
17. NIH swab
18. Enumerate anaemie causing parasites.
19. Cryptosporidium parvum
20. Enumerate lesions caused by Epstein Barr virus.
21. Antigenic shift and Antigenic drift
22. Draw a neatly labelled diagram of Rabies virus.

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**MBBS (Phase - II) Degree Examination - 08-Mar-2021**

## MICROBIOLOGY - PAPER II (RS3)
## QP CODE: 1084
## CORRECTIONS

**Read Question no.1 as follows:**

1. Enumerate Hepatitis causing viruses. Describe the morphology, pathogenesis and laboratory diagnosis of **Hepatitis 'B' Virus**.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**M.B.B.S. PHASE II Degree Examination – 10-Mar-2021**

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

## PHARMACOLOGY - PAPER – I (RS3)

## 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 antihypertensive drugs. Explain the pharmacological actions and therapeutic uses of angiotensin converting enzyme inhibitors.
2. Classify antidepressants. Explain the therapeutic uses and adverse effects of tricyclic antidepressants.

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

3. Plasma protein binding
4. Preanaesthetic medication
5. Plasma expanders
6. Uses, adverse effects and contraindications of morphine
7. Uses of atropine substitutes
8. Levodopa
9. Organophosphorus poisoning
10. Antiplatelet agents
11. Receptor antagonism
12. Mechanism of action and adverse effects of thiazide diuretics

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

13. Direct thrombin inhibitors
14. Statins
15. Uses of neostigmine
16. Rationale for use of lignocaine in ventricular arrhythmia
17. Non –benzodiazepine hypnotics
18. Uses of vasopressin analogs
19. Drugs used in acute congestive glaucoma
20. Mechanism of action of nitrates in angina pectoris
21. Adverse effects of phenytoin
22. Complications of spinal anesthesia

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# Rajiv Gandhi University of Health Sciences, Karnataka

**M.B.B.S. PHASE II Degree Examination – 12-Mar-2021**

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

## PHARMACOLOGY - PAPER -II (RS3)

## 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 insulin preparations according to duration of action. Describe the treatment of diabetic ketoacidosis.
2. Classify antiamoebic drugs according to their site of action. Explain the mechanism of action, adverse effects and uses of metronidazole.

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

3. Artemisinin and its derivatives
4. Adverse effects and contraindications of glucocorticoids
5. Azithromycin
6. Albendazole
7. Antimetabolites
8. Parenteral contraceptive
9. Management of status asthmaticus
10. Prostaglandin analogues
11. Cotrimoxazole
12. Proton pump inhibitors

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

13. Name three differences between propylthiouracil and carbimazole
14. Post exposure prophylaxis in HIV
15. Three Prokinetic agents
16. Three Bulk forming agents
17. Mention two Mucolytics and write mechanism of action.
18. Two uses of Oral rehydration solution
19. Mention three Anti –H. pylori agents
20. Mention three drugs used for Lepra reactions
21. Mention three Topical antifungal agents
22. Three adverse effects of chloramphenicol

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS PHASE II Degree Examination – 15-Mar-2021**

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

## FORENSIC MEDICINE (RS3)
## 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. Define Rape as per IPC. Describe in detail the genital examination findings of a child victim of rape. List the evidentiary materials to be collected in a case of alleged rape.
2. Classify Irritants with examples. Enumerate the differences between poisonous and non-poisonous snake. Add a note on management of a poisonous snake bite.

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

3. Vicarious Liability
4. Hydrargyrism
5. Differentiate negative autopsy from Obscure autopsy with examples
6. Characteristic features of putrefaction
7. Pathophysiology of death in fresh water and Salt water drowning
8. Informed Consent
9. Legal duties of the doctor in a case of suspected poisoning
10. Clinical manifestations and management of Organo phosphorus compound poisoning
11. Carbon Monoxide poisoning
12. Cannabis Indica

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

13. Rule of Haase
14. Various methods of removal of Organs at Autopsy
15. Traumatic asphyxia
16. Superfoetation and Superfecundation
17. Dactylography and its types
18. Various types of Hallucinations
19. Suspended Animation
20. Difference between drug addiction and drug habituation
21. Exhumation and its Legal procedure
22. Complications of Criminal abortion

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**MBBS PHASE II Degree Examination – 15-Mar-2021**

**FORENSIC MEDICINE (RS3)**
**QP Code: 1087**
**CORRECTIONS**

**Read Question no.5 as follows:**

5. Differentiate negative autopsy from Obscure autopsy with examples

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# Rajiv Gandhi University of Health Sciences, Karnataka

## MBBS (Phase - II) Degree Examination – 20-Sep-2021

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

## PATHOLOGY-PAPER I (RS3)
## 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. Define Apoptosis. Describe morphological features and mechanism of Apoptosis.
2. Classify Hemolytic anemias. Discuss Sickle cell anemia.

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

3. Pathological calcification
4. Neuroblastoma
5. Wound healing by secondary intention. Mention the factors influencing wound healing.
6. Gaucher disease
7. Pathology of Vitamin D deficiency
8. Transplant Rejection
9. What is ESR? What are the factors influencing ESR?
10. Chronic Myeloid leukemia
11. Von Willebrand disease
12. Red cell indices and their normal values

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

13. Components of Virchow’s triad
14. Auto antibodies in systemic lupus erythematosus
15. Features of anaplasia
16. Define microalbuminuria and what is its significance?
17. Name the most commonly used anticoagulants in hematology
18. CSF findings in Pyogenic meningitis
19. Indications for FNAC and its pitfalls
20. Name the conditions where reticulocyte count increases
21. Bombay blood group
22. Enumerate the conditions where PCV is altered.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**M.B.B.S. PHASE II Degree Examination – 22-Sep-2021**

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

## PATHOLOGY - PAPER - II (RS3)
## 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. Describe the pathogenesis, gross, microscopy and complications of gastric ulcer.
2. Classify ovarian tumours. Describe the gross and microscopy of mature cystic teratoma of ovary.

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

3. Gross and microscopy of myocardial infarction.
4. Gall stones.
5. Causes of acute pancreatitis.
6. Chronic pyelonephritis.
7. Pathogenesis of Type I Diabetes Mellitus.
8. Coal workers pneumoconiosis.
9. Hashimoto thyroiditis.
10. Tetralogy of Fallot.
11. Emphysema.
12. Rickets.

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

13. Three causes of splenomegaly.
14. Three types of renal cell carcinoma.
15. Three central nervous system tumours.
16. Chocolate cyst.
17. Prognostic factors in breast cancer.
18. Tophi
19. Three precancerous lesions of skin.
20. Cryptorchidism.
21. List three gestational trophoblastic diseases.
22. Microscopy of papillary carcinoma thyroid.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS (Phase - II) Degree Examination - 24-Sep-2021**

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

## MICROBIOLOGY – PAPER I (RS3)
## 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. Enumerate the causes of acute food bacterial poisoning. Describe the pathogenesis, clinical manifestations and laboratory diagnosis of food poisoning.

2. Define Hypersensitivity. Describe type IV hypersensitivity.

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

3. Gram negative cell wall.
4. Ethylene oxide sterilization.
5. MDR – tuberculosis.
6. Uses of detecting IgM antibodies.
7. Enzyme Linked Immunosorbent Assay (ELISA)
8. Genetic mechanisms of drug resistance
9. Streptococcus pneumonia.
10. Complement deficiency disorders.
11. Laboratory diagnosis of Leptospirosis.
12. Scrub typhus.

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

13. Recombinant vaccine.
14. IgE antibodies.
15. Class II human leucocytic antigens.
16. Anaerobic culture methods.
17. Bacterial capsule.
18. Selective culture media.
19. Cartridge based nucleic acid amplification test for Tuberculosis (CB-NAAT).
20. Diphtheria vaccine.
21. Name three organ specific autoimmune diseases.
22. Methicillin Resistance Staphylococcus aureus (MRSA)

# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS (Phase - II) Degree Examination - 27-Sep-2021**

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

## MICROBIOLOGY - PAPER - II (RS3)
## 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. Enumerate Arboviruses seen in India. Describe in detail about pathogenesis and laboratory diagnosis of Dengue virus infection.

2. Describe in detail about clinical manifestations and laboratory diagnosis of Amoebiasis.

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

3. Write a note on Japanese encephalitis.
4. Postexposure prophylaxis of Rabies
5. Write a note on Aspergillosis.
6. Write about Human papilloma virus.
7. Clinical manifestations of Measles
8. Laboratory diagnosis of HIV infection
9. Laboratory diagnosis of vivax malaria
10. Write a note on extra intestinal Amoebiasis.
11. Intestinal Taeniasis
12. Write about Histoplasmosis.

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

13. Laboratory diagnosis of kala azar
14. Naegleria fowleri
15. Cryptosporidium parvum
16. Continuous cell lines
17. Write about Trichomoniasis.
18. Viral vaccines in common use
19. Pneumocystis jirovecii
20. Enumerate dermatophyte infections.
21. Write about cysticercosis.
22. Respiratory syncytial virus

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# Rajiv Gandhi University of Health Sciences, Karnataka

## MBBS (Phase - II) Degree Examination – 29-Sep-2021

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

## PHARMACOLOGY – PAPER I (RS3)
## 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 Biotransformation. Explain the phases with examples.
2. Classify drugs used in the treatment of Glaucoma. Write mechanism of action, uses and side effects of prostaglandins analogues.

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

3. Atropine substitutes.
4. Plasma half life of drugs.
5. Teratogenicity.
6. Diclofenac sodium.
7. Therapeutic uses of Beta Blockers.
8. Drug Antagonism
9. Technique and applications of Local Anaesthetics.
10. Pharmacotherapy of shock.
11. Iron preparations.
12. Uses of Benzodiazepines.

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

13. Mention three uses of Anticholineesterases.
14. Name three non-depolarising muscle relaxants.
15. Factors affecting Bioavailability.
16. Advantages and disadvantages of Inhalation route.
17. Mechanism of prolongation of drug action.
18. Levodopa.
19. Adverse effects of Phenytoin.
20. Uses of Alpha Blockers.
21. First pass metabolism.
22. Prodrug.

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# Rajiv Gandhi University of Health Sciences, Karnataka

## MBBS (Phase - II) Degree Examination – 01-Oct-2021

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

## PHARMACOLOGY – PAPER II (RS3)
## 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 antitubercular drugs. Write the mechanism of action and adverse effects of Isoniazid.
2. Enumerate glucocorticoids. Describe the uses and adverse effects of glucocorticoids.

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

3. Explain the mechanism of action and adverse effects of chloroquine. Add a note on its current status in the treatment of malaria.
4. Zidovudine
5. Insulin preparations. Describe the adverse effects of insulin.
6. Write briefly on disease modifying antirheumatoid drugs.
7. Antimetabolites
8. Selective estrogen receptor modulators.
9. British Antilewisite (BAL)
10. Explain the mechanism of action, therapeutic uses and adverse effects of metronidazole.
11. Omeprazole
12. Mast cell stabilizers

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

13. Octreotide
14. Name four azole antifungal drugs. Explain their mechanism of action.
15. Explain the adverse effects of chloramphenicol.
16. Write the differences between ampicillin and amoxicillin.
17. Sulphonylureas
18. Bisphosphonates
19. Uses of prostaglandins.
20. Uric acid synthesis inhibitors.
21. Classify antithyroid drugs with suitable examples.
22. Explain the treatment of filariasis.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS PHASE II Degree Examination – 04-Oct-2021**

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

## FORENSIC MEDICINE (RS3)

## 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. Duties of Registered Medical Practitioner.
2. Ophitoxaemia signs and symptoms, diagnosis and treatment.

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

3. Immediate restraint of mentally ill person.
4. Euthanasia and legal aspects.
5. Medico legal importance of Age.
6. Describe about contact and distant fire arm wounds.
7. Medical termination of pregnancy (MTP) Act 1971 and recent amendments.
8. Brain Death.
9. Types of Intra-cranial haemorrhages.
10. Dactylography.
11. Rodenticides
12. Artefacts.

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

13. Types of Hymen.
14. Courts in India and their power.
15. Fractures of Hyoid bone with diagrams.
16. Therapeutic misadventure.
17. Fetishism
18. Biological warfare.
19. Viability.
20. Casper’s dictum.
21. Battered baby syndrome.
22. Cadaveric spasm.

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