

SECOND YEAR UNIVERSITY EXAM

QUESTIONS

(NOTE : The digits in the bracket indicates the number of times the question has been asked.)

Pharmacology

Paper 1

General pharmacology

10 marks:

1. Factors modifying drug action. (1)
2. Routes of drug administration. (1)

Short notes:

1. Bioavailability. (6)
2. Pharmacogenetics. (3)
3. Enzyme induction. (3)
4. Antagonism.(3)
5. Transport mechanism of drugs. (2)
6. Drug intolerance. (2)
7. Drug synergism. (2)
8. Plasma protein binding. (2)
9. Kinetics of elimination. (2)
10. Methods of prolonging drug action. (2)
11. Newer drug delivery system. (2)
12. Plasma half life. (2)
13. Drug dependence. (1)
14. First pass metabolism. (1)
15. Clinical trials. (1)
16. Theapeutic drug monitoring. (1)
17. Factors affecting GI absorption. (1)
18. Phase 2 drug metabolism. (1)
19. G- protein coupled receptors. (1)
20. Transdermal drug delivery system. (1)
21. Consequence of microsomal induction. (1)
22. Teratogenicity. (1)
23. Phases of metabolism of drugs. (1)
24. Pharmacovigilance. (1)
25. Steady state concentration. (1)
26. Parenteral route. (1)
27. .

Central nervous system:

10 marks:

1. Morphine. (3)
2. Halothane. (2)
3. Benzodiazepines, barbiturates. (2)
4. Phenytoin. (1)
5. Chlorpromazine. (1)

Short notes:

1. Benzodiazepines over barbiturates. (7)
2. Preanaesthetic medication. (4)
3. SSRI. (4)
4. L-dopa. (3)
5. Atypical antipsychotics. (3)
6. Spinal anaesthesia. (3)
7. Peripheral decarboxylase inhibitors. (3)
8. Phenytoin sodium. (3)
9. Morphine dependence, poisoning, contraindication. (3)
10. Methyl alcohol poisoning. (2)
11. Newer antiepileptic drugs. (2)
12. Naloxone. (2)
13. Diazepam. (2)
14. Intravenous anesthetics. (2)
15. Thiopentone sodium. (2)
16. Imipramine , fluoxetine. (2)
17. Ketamine. (1)
18. Fentanyl. (1)
19. Complication of general anaesthetics. (1)
20. Flumazenil. (1)
21. GABA analogues. (1)
22. Valproic acid. (1)
23. Lithium carbonate. (1)
24. Tramadol. (1)
25. Dopaminergic agonist. (1)
26. Risperidone. (1)
27. Isoflurane. (1)
28. Halothane uses & ADR. (1)

Chemotherapy:

10 marks:

1. Rifampin. (3)

2. Fluroquinolones. (2)
3. 3rd generation cephalosporins. (2)
4. Ampicillin. (1)
5. Gentamycin. (1)
6. 1st line drugs for TB. (1)
7. Azoles. (1)
8. Nucleoside reverse transcriptase inhibitors. (1)
9. Chloroquine. (1)

Short notes:

1. Beta lactamase inhibitors. (4)
2. HIV prophylaxis. (4)
3. Drug resistance. (3)
4. Artemisinin and derivatives. (3)
5. Metronidazole. (3)
6. Methotrexate. (3)
7. Fluoroquinolones. (3)
8. Doxycyclins. (2)
9. Rx for UIT. (2)
10. Lepa reactions. (2)
11. General toxicity of cytotoxic drugs. (2)
12. Retroviral protease inhibitors. (2)
13. Chloroquine. (2)
14. Synthetic penicillins. (2)
15. Toxicities of aminoglycosides. (2)
16. Combination therapy. (1)
17. Glycopeptides antibiotics. (1)
18. Multiple drug resistant TB. (1)
19. Clofazimine. (1)
20. Acyclovir. (1)
21. Uncomplicated malaries –Treatment. (1)
22. Vinca alkaloids. (1)
23. Cell cycle non specific agents. (1)
24. Anti influenza viral drugs (1)
25. Ketoconazole. (1)
26. Antimetabolite and anticancer drug. (1)
27. Ofloxacin. (1)
28. Fluconazole. (1)
29. Rescue drugs in cancer chemotherapy. (1)
30. Cotrimoxazole. (1)
31. Problem that arise with the use of antimicrobial agent. (1)
32. Newer antimalarial drug. (1)
33. Tetracyclins. (1)

GIT:

10 MARKS:

1. Proton pump inhibitors. (1)

Short notes:

1. Proton pump inhibitors. (7)
2. Prokinetic drugs. (4)
3. Stimulant purgatives. (Bisacodyl) (4)
4. Antiemetics. (4)
5. Anti H.pylori drugs. (3)
6. H₂ blockers. (2)
7. Diarrhoea –Treatment. (2)
8. 5HT₂ antagonist. (1)
9. Antiemetics in cancer therapy. (1)
10. Pharmacotherapy of peptic ulcer. (1)

Paper 2

Endocrine:

10 marks:

1. Glucocorticoids. (2)
2. Carbimazole. (1)
3. Sulfonylurea. (1)
4. Hormonal contraceptives. (1)

Short notes:

1. Diabetic ketoacidosis. (4)
2. Insulin analogues. (3)
3. Metformin. (3)
4. Uses and ADR of glucocorticoids. (3)
5. Hormonal contraceptives. (3)
6. Radioactive iodine. (2)
7. SERM. (2)
8. Propylthiouracil. (2)
9. Newer insulin preparation. (2)
10. Sulfonylureas. (2)
11. Contraindication of corticosteroids. (2)
12. Mifepristone. (1)
13. Tamorifen. (1)
14. Insulin secretagogues. (1)
15. Thyroid storm. (1)
16. Anabolic steroids. (1)

Blood:

Short notes:

1. Antiplatelet drugs. (6)
2. Parenteral iron preparation. (5)
3. HMG CoA reductase inhibitors. (4)
4. Fibrinolytics. (3)
5. Plasma expanders. (3)
6. Low molecular weight heparins. (2)
7. Uses of anticoagulants. (2)
8. Iron poisoning. (2)
9. Gemfibrazil. (1)
10. Oral direct thrombin inhibitors. (1)
11. Treatment of megaloblastic anaemia. (1)
12. Heparin and warfarin. (1)

CVS:

10 marks:

1. Nitrates. (6)
2. Digoxin. (2)
3. Amiodarone. (1)
4. Calcium channel blockers.(1)

Short notes:

1. ACE inhibitors. (Ramipril). (6)
2. Angiotensin receptor blockers. (Losartan). (3)
3. Treatment of MI. (3)
4. Treatment of CHF. (2)
5. Calcium channel blockers. (1)
6. Combination of glyceryl trinitrate, nifedipine and propranolol. (1)
7. B-blocker (1)

Respiratory system:

10 mark :

1. Corticosteroids in bronchial asthma. (Inhalational steroids) (2)

Short notes:

1. Inhalational steroids. (7)
2. Antitussives. (4)
3. Mucolytics. (2)
4. Mast cell stabilizers. (2)
5. Leukotriene antagonist. (1)
6. Status asthmaticus. (1)

Renal:

Short notes:

1. Potassium sparing diuretics. (5)
2. Thiazides. (4)
3. Loop diuretics. (1)
4. Osmotic diuretics. (1)

ANS :

10 mark:

1. Atropine. (3)
2. Propranolol. (3)
3. Adrenaline. (2)

Short notes:

1. OP poisoning. (7)
2. Atropine substitutes. (5)
3. Treatment of glaucoma. (4)
4. Prazosin. (3)
5. Uses and ADR of beta blockers. (3)
6. Use of beta blockers in glaucoma. (3)
7. Uses and ADR of beta adrenergic. (3)
8. Alpha blockers- Uses and ADR. (2)
9. Uses of anticholinergic drugs. (2)
10. Mydriatics. (1)
11. Atropine poisoning. (1)
12. Uterine stimulants. (1)

PNS:

Short notes:

1. Pancuronium. (5)
2. Depolarizing neuromuscular blockers. (1)
3. Dantrolene. (1)
4. Toxicity and uses of neuromuscular blockers. (1)
5. Mechanism of action of local anaesthetic. (1)

Autocoid:

10 mark:

1. Aspirin. (2)
2. Antihistamines. (1)

Short notes:

1. Prostaglandin uses. (10)
2. Sumatriptan. (5)
3. Migraine – τ_x & prophylaxis. (3)
4. Non sedative antihistamines. (3)
5. 5 HT antagonist. (2)
6. 2nd generation antihistamines. (1)
7. Selective cox2 inhibitors. (1)
8. Paracetamol poisoning. (1)
9. Leukotriene antagonist. (1)
10. Aspirin. (1)
11. Treatment for rheumatoid arthritis. (1)
12. NSAID – ADR. (1)

Chelating agents :

Short notes :

1. Dimercaprol (arsenic) (4)
2. Penicillamine. (2)
3. Desferrioxamine. (2)
4. Ca Na₂ EDTA. (1)
5. Deferiprone. (1)

PATHOLOGY

PAPER 1

General pathology

10 mark:

1. Inflammation. (4)
2. Apoptosis. (2)
3. Thrombosis. (2)
4. Pulmonary tuberculosis. (2)
5. Necrosis. (1)
6. Neoplasia. (1)
7. Granulomatous inflammation. (1)
8. Wound healing. (1)
9. Carcinogenesis. (1)

Short notes:

1. Calcification. (6)

2. Phagocytosis. (6)
3. Lepromatous leprosy. (6)
4. Wound healing. (6)
5. Hypersensitivity. (6)
6. Granuloma. (5)
7. Dysplasia, metaplasia. (4)
8. Renal and cardiac edema. (4)
9. Thrombosis fate of thrombus. (4)
10. Lab diagnosis of cancer (tumor markers). (4)
11. Difference between benign and malignant tumor. (4)
12. Fracture healing. (3)
13. Paraneoplastic syndrome. (3)
14. Necrosis. (3)
15. Gangrene. (2)
16. Amyloidosis –classify and staining. (2)
17. Septic shock pathogenesis. (2)
18. Embolism- fat, pulmonary. (2)
19. Pulmonary TB. (2)
20. Chemical carcinogenesis. (2)
21. Free radical mediated cell injury. (1)
22. Endogenous pigments. (1)
23. Hiv mode of transmission. (1)
24. Hypersensitivity reaction. (1)
25. Cvs lung and spleen. (1)
26. Actinomycosis. (1)
27. Metastasis. (1)
28. Retinoblastoma and p53 gene. (1)
29. Down’s syndrome. (1)
30. Klinefelter’s syndrome. (1)
31. Turner’s syndrome. (1)
32. Gaucher’s disease. (1)
33. Nieman’s pick disease. (1)
34. Barr body. (1)
35. Virchow’s triad. (1)
36. Neoplasm associated with HIV. (1)
37. Lab diagnosis of SLE. (1)
38. Cytologic diagnosis of malignancy. (1)
39. Oncogenic viruses. (1)
40. Parasites found in peripheral blood smear. (1)

Haematology:

10 mark :

1. Thalassemia. (4)
2. Multiple myeloma. (3)
3. Megaloblastic anemia. (3)

4. Iron deficiency anaemia. (2)
5. Sickle cell anaemia. (1)
6. CML. (1)
7. ALL. (1)
8. CLL. (1)
9. ITP. (1)
10. DIC. (1)

Short notes :

1. ESR, PCV. (10)
2. Thrombocytopenia. (7)
3. Hodgkins lymphoma. (6)
4. CML. (6)
5. Haemophilia. (5)
6. Megaloblastic anaemia. (5)
7. Von willibrand disease. (4)
8. Aplastic anaemia. (3)
9. Blood group system. (3)
10. Cross matching. (3)
11. Blood transfusion and complication. (3)
12. Lab diagnosis of multiple myeloma. (3)
13. IDA. (3)
14. Haemolytic disease of newborn. (2)
15. Pancytopenia. (2)
16. Leukemoid reaction. (2)
17. Burkitt's lymphoma. (2)
18. Red cell indices. (1)
19. Reticulocyte count. (1)
20. Classification of anaemia. (1)
21. Differential diagnosis for microcytic hypochromic anaemia. (1)
22. Hereditary spherocytosis. (1)
23. Eosinophilia. (1)
24. Coomb's test. (1)
25. Leucoplakia. (1)

PAPER 2

CVS:

10 MARK :

1. Myocardial infarction. (4)
2. Rheumatic heart disease. (1)

Short notes:

1. Atherosclerosis. (6)

2. Lab diagnosis of MI. (3)
3. Infective endocarditis. (2)
4. Aschoff bodies. (1)
5. Virchow's triad. (1)
6. Rheumatic carditis. (1)

RS:

10 mark:

1. Bronchogenic carcinoma. (1)

Short notes:

1. Emphysema. (6)
2. Bronchieatasis. (6)
3. Lobar pneumonia. (4)
4. Asbestosis. (1)
5. Chronic bronchitis. (1)
6. Small cell carcinoma of lungs. (1)

GIT:

10 MARK:

1. Cirrhosis. (6)
2. Gastric carcinoma. (1)
3. Colorectal carcinoma. (1)

Short notes:

1. Peptic ulcer. (6)
2. Clinical manifestation of cirrhosis. (5)
3. Inflammatory bowel disease. (4)
4. Polyps of large intestine. (4)
5. Gall stones. (4)
6. Viral hepatitis. (2)
7. Acute pancreatitis. (2)
8. Leukoplakia. (1)
9. Reflex esophagitis. (1)
10. Carcinoid tumor. (1)
11. Hepatocellular carcinoma. (1)
12. Malabsorption syndrome. (1)
13. Amoebic colitis. (1)
14. Adenoma colon. (1)

CNS:

10 Mark:

1. Meningitis. (1)

Short notes :

1. Meningioma. (4)
2. CSF finding in meningitis. (3)
3. Schwannoma. (1)
4. Lab diagnosis of TB meningitis. (1)
5. Types of meningitis. (1)
6. Pyogenic meningitis. (1)

Renal :

10 mark :

1. Nephritic syndrome. (7)
2. Nephritic syndrome. (3)

Short notes :

1. Wilm's tumor. (5)
2. Renal calculi. (3)
3. Pylonephritis. (2)
4. Renal cell carcinoma. (2)
5. PSGM. (1)
6. RPGN. (1)
7. Minimal change disease. (1)
8. Lupus nephritis. (1)
9. Diabetic nephropathy. (1)
10. Cresentic glomerulonephritis. (1)

Endocrine:

10 mark:

1. Papillary and medullary carcinoma of thyroid. (1)
2. Type 2 diabetes mellitus. (1)

Short notes:

1. Hasimoto's thyroiditis. (7)
2. Papillary carcino thyroid.(2)
3. Pheochromocytoma. (1)
4. Nodular lesions of thyroid. (1)
5. Follicular adenoma and thyroid. (1)

6. Complication of diabetes mellitus. (1)
7. Medullary carcinoma thyroid. (1)
8. Autoimmune thyroiditis. (1)

Musculo skeletal :

10 mark :

1. Osteoclastoma. (1)

Short notes:

1. Osteoclastoma. (5)
2. Osteosarcoma. (3)
3. Chronic osteomyelitis. (2)
4. Paget's disease of bone. (2)
5. Ewing's tumour. (2)

Reproduction :

MALE:

10 Mark:

1. Prostate cancer. (2)

Short notes:

1. Seminoma. (3)
2. Testicular tumour. (1)
3. BPH. (1)

FGT :

10 Mark:

1. Hydatiform mole. (1)
2. Cervical carcinoma. (1)

Short Notes:

1. Cervical intra epithelial neoplasia. (4)
2. Ovarian tumour. (2)
3. Hydatiform mole. (2)
4. PAP smear. (2)
5. Desgerminoma. (1)
6. Teratoma. (1)
7. Endometrial hyperplasia. (1)

Breast:

Short Notes

1. Fibrocystic disease. (2)
2. Fibroadenoma. (1)
3. Phyllodes tumour. (1)
4. Breast carcinoma. (1)

MICROBIOLOGY :

PAPER

GENERAL MICROBIOLOGY :

10 Mark :

1. Sterilization – autoclave. (6)
2. Site of action of anti-microbial agent, Drug resistance. (4)
3. Cell wall. (2)
4. Methods of cultivation of anaerobic bacteria. (1)

Short notes:

1. Exotoxin vs endotoxin. (5)
2. Louis paster. (3)
3. Bacterial spore. (3)
4. Gene transfer. (3)
5. Disinfectants used in hospital. (3)
6. Pasteurisation. (3)
7. Enrichment media. (3)
8. Robert Koch. (2)
9. Bacterial growth curve. (2)
10. Test for disinfectants. (2)
11. Anaerobic culture methods. (2)
12. Anti-microbial susceptibility test. (2)
13. Flagella. (1)
14. Fimbriae. (1)
15. Hot air oven. (1)
16. Tyndallisation. (1)
17. Sterilization controls. (1)
18. Aldehydes. (1)
19. Cold sterilization. (1)
20. Moist heat sterilization. (1)
21. Selective medium. (1)
22. Transport medium. (1)
23. Methods of isolating pure culture. (1)
24. Plasmids. (1)

25. Mutation. (1)
26. Rdna technology. (1)
27. DNA probes. (1)
28. PCR. (1)
29. Transmission of infection. (1)
30. Iatrogenic infections. (1)

IMMUNOLOGY:

10 Mark:

1. Hypersensitivity reactions. (3)
2. Immunity. (1)
3. Classical complement pathway. (1)
4. IgG antibody and monoclonal antibody. (1)

Short notes:

1. IgG, IgM. (7)
2. Immunofluorescence test. (3)
3. Monoclonal antibodies. (3)
4. Type 3 hypersensitivity. (3)
5. Innate immunity. (3)
6. Agglutination reaction. (2)
7. Phagocytic cells. (2)
8. Major histocompatibility complex. (2)
9. Mechanism of autoimmunity. (2)
10. Atopy. (2)
11. Type 4 hypersensitivity reaction. (2)
12. Active vs passive immunity. (1)
13. Innate immunity. (1)
14. Herd immunity. (1)
15. Live vaccines. (1)
16. Haptens. (1)
17. ELISA. (1)
18. Cells involved in immunity. (1)
19. Alternate complement pathway. (1)
20. Central lymphoid organs. (1)
21. Natural killer cells. (1)
22. T lymphocytes. (1)
23. HLA typing. (1)
24. Detection of CMI. (1)
25. Cytokines. (1)

Bacteriology:

10 mark :

1. Vibrio cholera- diarrhoea. (5)
2. Salmonella – enteric fever. (3)
3. Clostridium perfringens – gas gangrene. (2)
4. Mycobacterium tuberculosis. (2)
5. Leptospirosis , bacteria causing septicaemia. (2)
6. Acute pyogenic meningitis. (1)
7. Streptococcus. (1)
8. Corynebacterium. (1)
9. Yersinia. (1)
10. Haemophilia. (1)
11. Syphilis. (1)
12. Actinomycosis. (1)
13. Typhus fever. (1)
- 14.

Short notes :

1. Non suppurative sequelae of S.Pyogens. (5)
2. Nagler reaction. (5)
3. Standard test for syphilis. (4)
4. Acute pyogenic meningitis. (3)
5. Gas gangrene. (3)
6. Lab diagnosis and vaccines for typhoid. (3)
7. Morphology, lab diagnosis of TB. (3)
8. Atypical mycobacterium. (3)
9. Types, pathogenesis and toxin of botulism. (2)
10. Lab diagnosis of diphtheria. (2)
11. Lab diagnosis and mode of transmission of bacillus anthrax. (2)
12. Satellitism. (2)
13. BCG vaccine. (2)
14. Lab diagnosis for leprosy. (2)
15. H.pylori. (2)
16. Pathogenesis and lab diagnosis of leptospirosis. (2)
17. Typhus fever. (2)
18. Toxic shock syndrome. (1)
19. Coagulase test. (1)
20. Group B streptococcus. (1)
21. Anti streptolysin O. (1)
22. Strep. Pneumoniae. (1)
23. Difference between strep. Viridians and strep. Pneumoniae. (1)
24. Lab diagnosis of meningococcal meningitis. (1)
25. Pathogenesis of neisseria gonorrhoea. (1)
26. Toxicogenicity test for corynebacterium diphtheria. (1)
27. Anaerobic myositis. (1)
28. Clostridium tetani. (1)

29. E.coli. (1)
30. Shigella. (1)
31. EL TOR vibrios. (1)
32. Cholera toxin. (1)
33. Biotypes of v.cholera. (1)
34. Pseudomonas infection. (1)
35. Mode of spread and control measures of plague. (1)
36. Tuberculin test. (1)
37. Animal model used in leprosy research. (1)
38. Lepromin test. (1)
39. Camphylobacter. (1)
40. Francisella tularonsis. (1)
41. Legionella pontaic fever. (1)
42. Bordetella pertussis toxin. (1)
43. Brucella – castanada medium. (1)
44. MDR TB. (1)
45. Cold agglutination test. (1)
46. Norcardia. (1)
47. Listeria. (1)
48. Streptacellus moniliform. (1)
49. Coxiella Q fever. (1)
50. TRIC agents. (1)
51. Neil mooser reaction. (1)
52. Weil felix reaction. (1)
53. Lymphogranuloma venerus –freis test. (1)

PAPER 2

Virology:

10 Mark:

1. Rhabdovirus. (4)
2. Arbovirus. (2)
3. Retro virus. (1)
4. Polio virus. (1)
5. Hepatitis virus. (1)
6. Orthomyxovirus. (1)
7. Lab diagnosis of viral infection and MMR vaccine. (1)

Short notes:

1. Lab diagnosis, structure and pathogenesis of HIV. (7)
2. Cultivaton of virus. (5)
3. Lab diagnosis and pathogenesis of polio. (4)
4. Lab diagnosis of dengue. (3)

5. Viral vaccines. (3)
6. Hepatitis B virus. (3)
7. Management of patient with rapid dog bite. (3)
8. Pox virus – varicella. (2)
9. Swine flu. (2)
10. Interferons. (2)
11. Herpes simplex virus. (2)
12. Hepatitis B vaccine. (2)
13. Antigenic drift and shift. (2)
14. Inclusion bodies. (2)
15. MMR vaccine. (2)
16. Rota virus. (1)
17. Japanese encephalitis. (1)
18. Avian flu. (1)
19. Oncogenic virus. (1)
20. Cytopathic effect. (1)
21. Paul bunnell test. (1)
22. Management of HIV needle prick injury. (1)
23. Classification of RNA and DNA viruses. (1)
24. Viral haemagglutination. (1)
25. Replication of virus. (1)
26. Lytic cycle. (1)
27. Adenovirus. (1)
28. Measles mumps virus. (1)
29. Respiratory syncytial virus. (1)
30. Molluscum contagiosum. (1)
31. Carona virus. (1)

Mycology:

10 Mark:

1. Dermatophytes. (1)
2. Candidiasis. (1)
3. Aspergillosis. (1)

Short notes :

1. Dermatophytes. (7)
2. Candidiasis. (6)
3. Aspergillosis. (5)
4. Opportunistic fungal infection in AIDS. (3)
5. Cryptococcosis. (2)
6. Mycotic poisoning. (2)

7. Invasive aspergillosis. (2)
8. Eumycetoma. (2)
9. Germ tube test. (2)
10. Coliform count. (2)
11. Madura foot. (2)
12. Classification of fungi. (1)
13. Dimorphic fungi. (1)
14. Mycetoma. (1)
15. Rhinosporidiosis. (1)
16. Mucormycosis. (1)
17. Zygomycosis. (1)
18. Pencillosis. (1)
19. Otomycosis. (1)
20. Fungal keratitis. (1)
21. Id reaction. (1)
22. Antifungal agents. (1)

Parasitology:

10 mark :

1. Hookworm. (4)
2. Wucheria bancrofti. (4)
3. Plasmodium. (2)
4. Giardia lamblia. (1)
5. Trichomonas. (1)
6. Leishmania. (1)
7. Toxoplasma gondii. (1)
8. Taenia solium. (1)
9. Taenia saginata. (1)
10. Roundworm. (1)

Short notes:

1. Cysticercus cellulose. (4)
2. W. Bancrofti. (4)
3. Entamoebae histolytica. (3)
4. Hydatid cyst. (3)
5. Cyclops. (3)
6. Lab diagnosis of malaria. (3)
7. Neurocysticercosis. (3)
8. Sheathed microfilaria. (3)
9. Enterobium vermicularis. (2)
10. Eggs of cestodes. (2)
11. Hookworm. (2)
12. Larva migrans. (2)
13. Rhinosporidiosis. (2)

14. Giardia lamblia. (2)
15. Free living amoebae. (1)
16. Trypanosome brucei. (1)
17. Trypanosome cruzi. (1)
18. Isospora belli. (1)
19. General features of cestodes. (1)
20. Fasciola hepatica. (1)
21. Dracunculus medinensis. (1)
22. Draw and label bile stained eggs. (1)
23. Vector borne parasitic infection. (1)

FORENSIC MEDICINE:

Medical jurisprudence:

10 mark:

1. Medical evidence. (2)
2. Identification (bite mark, finger print, hair, scar). (1)

Short notes:

1. Consent. (3)
2. Dying declaration. (3)
3. Medical council of india. (3)
4. Intersex. (2)
5. Summon. (2)
6. Inquest. (2)
7. Perjury. (2)
8. Res ipsa loquitur. (2)
9. Bite mark and its medicolegal importance. (2)
10. Dactylography. (2)
11. Medical negligence. (2)
12. Therapeutic misadventure. (1)
13. Powers of different courts. (1)
14. Sec 53 CRPC. (1)
15. Privileged communication. (1)
16. Rights of registered medical officer. (1)
17. Novus atus intervenes. (1)
18. Types of magistrate and their power. (1)
19. Duties of medical practitioner. (1)
20. Witness. (1)
21. Indian and state medical council – functions. (1)
22. Defence of doctor in negligence. (1)
23. Consumer protection act. (1)
24. Capser dictum. (1)
25. Penal erasure. (1)

26. Medical malpractice. (1)
27. Professional death sentence. (1)
28. Gustafson's formula. (1)
29. Skull superimposition. (1)
30. Professional negligence. (1)
31. Hair. (1)
32. Scar. (1)

Injuries :

10 mark:

1. Injury – definition, classification, abrasion. (3)
2. Distance of firearm injury. (2)
3. Suicidal vs homicidal cut throat injuries. (1)
4. Burns causes of death. (1)

Short notes:

1. Skull fractures (bump fracture). (4)
2. Mechanism of coup and contre coup injuries. (2)
3. Incised wound. (2)
4. Extradural hemorrhage. (1)
5. Entry and exit wound of rifled gun. (1)
6. Laceration. (1)
7. Contusion. (1)
8. Grievous hurt. (1)
9. Pattered injuries. (1)
10. Rule of nine. (1)
11. Head hematoma. (1)
12. Tattooing. (1)
13. Crush syndrome. (1)
14. Filigree burns. (1)
15. Whiplash injury. (1)
16. Classify mechanical injury. (1)
17. Difference between entry and exit wound in rifled firearm. (1)
18. Lynching. (1)
19. Heat ruptures. (1)

Asphyxia :

10 mark:

1. Hanging. (2)
2. Drowning. (1)
3. Strangulation. (1)

Short notes:

1. Sexual asphyxia. (2)
2. Hyoid bone fracture. (2)
3. Throttling. (2)
4. Difference between suicidal and homicidal cut throat injuries. (2)
5. Diatom test. (1)
6. Sea water drowning – interval PM findings. (1)
7. Banskola. (1)
8. Dribbling of saliva. (1)
9. Coffey syndrome. (1)
10. Traumatic asphyxia. (1)
11. Burking. (1)
12. Fresh water drowning. (1)

Sexual jurisprudence:

10 mark:

1. Rape (sec 375 ipc). (1)

Short notes:

1. Artificial insemination. (3)
2. MTP act 1971. (3)
3. Signs of pregnancy. (2)
4. Sodomy. (2)
5. Unnatural sexual offence. (2)
6. s/o recent delivery in living person. (1)
7. Battered baby syndrome. (1)
8. Sudden infant death death syndrome. (1)
9. Hydrostatic test. (1)
10. False virgin. (1)
11. PNDT act. (1)
12. Virgin in rape examination. (1)
13. Criminal abortion – complication. (1)
14. S/O dead born child. (1)
15. Amniotic fluid embolism. (1)
16. S/O live birth. (1)
17. Seminal examination. (1)
18. Infanticide. (1)
19. Custodial rape. (1)
20. Test for seminal stains. (1)
21. Atavism and post humous child. (1)
22. Nullity of marriage. (1)
23. Adultery. (1)
24. Surrogate mother. (1)
25. Rule of hasse. (1)

Psychiatry:

10mark:

1. Sec 84 IPC – Criminal responsibilities of insane person. (2)

Short notes:

1. Feigned insanity. (3)
2. Testamentary capacity.
3. Restraint of insane. (3)
4. Delution. (3)
5. Civil and criminal responsibilities of insane. (3)
6. Euthanasia. (2)
7. Hallucination. (1)
8. Mc Ewans sign. (1)
9. Lucid interval. (1)

Autopsy :

Short notes:

1. Types of autopsy. (1)
2. Rules of ML autopsy. (1)
3. Obscure autopsy. (1)
4. Aims of autopsy. (1)

Thanatology:

10 mark:

1. Signs of death. (1)
2. Post-mortem interval. (1)

Short notes:

1. Algor mortis. (2)
2. Adipocere. (2)
3. Starvation. (2)
4. Cadaveric spasm vs rigor mortis. (1)
5. Changes in eye after death. (1)
6. Pugilistic attitude. (1)
7. PM coloricity. (1)
8. Saponification. (1)
9. Mummification. (1)

Toxicology:

10 mark:

1. OP poisoning. (4)
2. Duties of medical officer in case of poisoning. (2)
3. Ideal homicidal poisoning. (2)
4. Drunkenness. (2)
5. Snake bite. (2)
6. Cyanide. (1)
7. Arsenic. (1)
8. Sulphuric acid. (1)
9. Carbolic acid. (1)
10. Lead. (1)
11. Mercury. (1)
12. Arsenic. (1)
13. Opium. (1)
14. Datura. (1)
15. Aconite. (1)
16. CO. (1)

Short notes :

1. Mercury poisoning. (3)
2. Body packer syndrome. (2)
3. Botulism. (2)
4. Plumbism. (2)
5. Treatment of cyanide poisoning. (2)
6. Universal antidote. (2)
7. Classification. (1)
8. Factors modifying poison action. (1)
9. Duties of physician. (1)
10. Treatment. (1)
11. Stomach wash. (1)
12. Antidote. (1)
13. Drug automation. (1)
14. Glasgow coma scale. (1)
15. Metal fume fever. (1)
16. Red / white phosphorus. (1)
17. Zinc phosphide. (1)
18. Poisonous / non poisonous snakes. (1)
19. Snake bite treatment. (1)
20. Alcohol. (1)
21. Drunkenness. (1)
22. Cocaine. (1)
23. War gas. (1)
24. Bacterial food poisoning. (1)
25. Mushroom poisoning. (1)
26. Tear gas. (1)
27. CO poisoning. (1)
28. Negative chemical analysis. (1)

29. Carboluria. (1)
30. Vitriolage. (1)
31. Benzidine test. (1)
32. Raindrop pigmentation. (1)