

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2015
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(BACTERIOLOGY & IMMUNOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Give diagrammatic representation wherever necessary

- 1) Describe cultural characters of *Mycobacterium tuberculosis*. 3+4+3=10
Give steps for laboratory diagnosis of a case of pulmonary tuberculosis. Describe B.C.G. Vaccine in detail.

WRITE SHORT NOTES ON:

5X4=20

- 2) Urinary tract infection
- 3) Gas gangrene
- 4) IgE
- 5) Active Immunity
- 6) Modes of transmission of infection

WRITE BRIEFLY ON:

5X2=10

- 7) Selective media
- 8) Mention two toxins and two enzymes produced by *Streptococcus pyogenes*
- 9) Serological Tests for Syphilis
- 10) Components of Complement
- 11) Mention four requirements of ideal chemical disinfectant

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2015
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(VIROLOGY, MYCOLOGY & PARASITOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw diagrammatic representation wherever necessary

1. Name the Plasmodium species causing malaria in humans. Write briefly about the pathogenesis and manifestations of malaria caused by Plasmodium falciparum. Add a note on drug resistance in malaria. (2+6+2=10)

WRITE SHORT NOTES ON:

5x4=20

2. Pathogenesis of Dengue Hemorrhagic fever
3. Antigenic shift and antigenic drift
4. Candidiasis
5. Pathogenesis and laboratory diagnosis of lymphatic filariasis
6. Antemortem diagnosis of rabies

WRITE BRIEFLY ON:

5x2=10

7. Endemic hemoptysis
8. Larva migrans
9. Harada mori technique
10. Structure of HIV
11. Classification of dermatophytes

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2015
SECOND M.B.B.S. EXAMINATION

PHARMACOLOGY

PAPER-I

Time : 2 Hours

Max. Marks : 40

Note : Answer all questions

Give diagrammatic representation wherever necessary

- 1) Classify Anticholinergics. Write the pharmacological action, therapeutic uses and adverse effects of Atropine Substitutes. 2+3+3+2=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Therapeutic uses and adverse effects of Furosemide
- 3) Sublingual Route of Administration
- 4) Mechanism of action of Sumatriptan and its side effects
- 5) Amiodarone
- 6) Pre-anaesthetic Medications

WRITE BRIEFLY ON:

5X2=10

- 7) Prodrug
- 8) Dantrolene Sodium
- 9) Adverse effects of Clonazepam
- 10) Mention any two adverse effects of ACE Inhibitors
- 11) Mention any two examples of Teratogenic Drugs and their effects

505-B

**M.B.B.S. DEGREE EXAMINATION – JANUARY, 2015
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II**

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Classify β Lactam antibiotics. Explain the mechanism of action, therapeutic uses and adverse effects of Benzyl Penicillin.
2+3+3+2=10

WRITE SHORT NOTES ON:

5x4=20

2. Rifampicin – Mechanism of action and therapeutic uses
3. Albendazole
4. Glucocorticoids – Therapeutic uses and adverse effects
5. Tocolytic drugs
6. Mechanism of action and adverse effects of Heparin

WRITE BRIEFLY ON:

5x2=10

7. Name four antiplatelet drugs.
 8. Treatment of H. Pylori infection.
 9. Name four anticancer antibiotics
 10. Mechanism of action of diethylcarbamazine
 11. Mention two uses and two adverse effects of Metoclopramide
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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2015
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw diagrammatic representation wherever necessary

1. A 55 year old lady was brought to the emergency room unconscious. Her blood pressure was very low, pulse was weak and rapid. Her skin was warm and flushed. Her blood culture revealed growth of Gram positive bacteria.

- a) What is the possible diagnosis?
- b) Describe the pathogenesis of this condition.
- c) Describe the stages of this disorder

(2+5+3=10)

WRITE SHORT NOTES ON:

5x4=20

- 2) Mechanisms of apoptosis
- 3) Type IV hypersensitivity reaction
- 4) FAB Classification of Acute Myeloblastic Leukaemia (AML)
- 5) Laboratory diagnosis of iron deficiency anaemia
- 6) Von Willebrand disease

WRITE BRIEFLY ON:

5x2=10

- 7) Ghon complex
- 8) Name four malignant tumors causing paraneoplastic syndromes
- 9) Four alcohol induced diseases
- 10) Fibrinous inflammation
- 11) Four examples of hyperplasia.

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2015
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw diagrammatic representation wherever necessary

1) A 55 year old lady present with breathlessness and cough for the past 2 weeks. She gives history of loss of weight and tiredness for past 6 months. X-ray chest revealed a massive pleural effusion on the left side. CT scan showed a nodular mass which is peripherally located in the left lung. CT guided biopsy of the mass showed, large cells with pleomorphic nuclei and prominent nucleoli, arranged in a glandular pattern.

- a) What is your diagnosis? (1+5+4=10)
- b) Mention the histological types (sub-classification) of this lesion with illustrations
- c) Describe its etiopathogenesis.

WRITE SHORT NOTES ON:

5x4=20

- 2) Valvular lesions in rheumatic heart disease
- 3) Etiopathogenesis of carcinoma stomach
- 4) Etiopathogenesis of hepatocellular Carcinoma
- 5) Etiopathogenesis of Chronic Pyelonephritis
- 6) Morphology of malignant melanoma

WRITE BRIEFLY ON:

5x2=10

- 7) Morphology of uterine leiomyoma
- 8) Name four brain tumors
- 9) Three causes of primary hyperparathyroidism and one cause of secondary hyperparathyroidism
- 10) Microscopic appearance of giant cell tumour of bone
- 11) Classification of germ cell tumours of testis

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2015
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw diagrammatic representation wherever necessary

1. Classify mechanical injuries. Describe features of a chop wound.
Distinguish between chop wound and lacerated wound.

(4+3+3=10)

WRITE SHORT NOTES ON:

5x4=20

2. Adipocere formation.
3. Signs and symptoms and treatment of Datura poisoning
4. Comparative techniques used for identification
5. Doctrine of Informed Consent
6. Post mortem findings in a case of ligature strangulation

WRITE BRIEFLY ON:

5x2=10

7. Universal antidote
8. Contraindications for gastric lavage
9. Locard's Principle of Exchange
10. Civil responsibilities of mentally ill person
11. Privileged communication.

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506-A

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA – 520 008

M.B.B.S. DEGREE EXAMINATION – JULY, 2015

SECOND M.B.B.S. EXAMINATION

MICROBIOLOGY

(BACTERIOLOGY & IMMUNOLOGY)

PAPER-I

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw diagrammatic representation wherever necessary

1. List the virulence factors of Salmonella Typhi. Describe the pathogenesis of typhoid fever. Add a note on the laboratory diagnosis of typhoid. 2+3+5=10

WRITE SHORT NOTES ON:

5x4=20

2. ELISA (Enzyme Linked Immunosorbent Assay)
3. Diseases associated with deficiency of complement
4. Type IV hypersensitivity reaction
5. Bacterial Flagellum
6. Laboratory diagnosis of pneumococcal meningitis

WRITE BRIEFLY ON:

5x2=10

7. Brill Zinsser Disease
8. Enriched media
9. Morphology of Neisseria Gonorrhoeae (Gonococcus) with diagram
10. Natural Killer Cells
11. Phenotypic variation of bacteria

506-B

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA – 520 008
M.B.B.S. DEGREE EXAMINATION – JULY, 2015
SECOND M.B.B.S. EXAMINATION

MICROBIOLOGY
(VIROLOGY, MYCOLOGY & PARASITOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Give diagrammatic representation wherever is necessary

- 1) Describe morphology and life cycle of *Entamoeba histolytica*. 3+4+3=10
Give laboratory diagnosis of dysentery due to *Entamoeba histolytica*.

WRITE SHORT NOTES ON:

5X4=20

- 2) Clinical features and laboratory diagnosis of *Cryptosporidium* infection
- 3) Morphology and life cycle of *Taenia Solium*
- 4) Write briefly on Herpes simplex virus type I
- 5) Tissue culture techniques in virology
- 6) Zygomycosis

WRITE BRIEFLY ON:

5X2=10

- 7) Enumerate viruses causing encephalitis
 - 8) Differences of fungi from bacteria
 - 9) Characteristics of slow virus infections
 - 10) Dimorphic fungi
 - 11) Name four oncogenic viruses
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JULY 2015

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DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA – 520 008

M.B.B.S. DEGREE EXAMINATION – JULY, 2015

SECOND M.B.B.S. EXAMINATION

PHARMACOLOGY

PAPER-I

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Define bio-availability. Discuss the various factors which affect bio-availability of an administered drug. 2+8=10

WRITE SHORT NOTES ON: 5X4=20

2. Drugs used in Glaucoma
3. Properties of an ideal anesthetic.
4. What do you mean by on-off phenomenon during Levodopa therapy in Parkinsonism? Add a note on drug induced Parkinsonism.
5. Verapamil
6. Indications of Propranolol with rationale

WRITE BRIEFLY ON: 5X2=10

7. What do you mean by Iatrogenic disease? Give an example.
8. Name four drugs used in hypertensive emergency.
9. Morphine is contraindicated in head injury. Justify.
10. Therapy of Myasthenic Crisis
11. Mention two therapeutic uses and two adverse effects of Furosemide.

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DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008
M.B.B.S. DEGREE EXAMINATION – JULY, 2015
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

- 1) Classify Glucocorticoids with example. Mention the pharmacological actions, adverse effects and non endocrine uses of any one. 2+3+3+2=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Methotrexate
- 3) Drugs used for resistant falciparum malaria
- 4) Metronidazole – spectrum of action and uses.
- 5) H₂ blockers
- 6) Mechanism of action of INH and adverse effects

WRITE BRIEFLY ON:

5X2=10

- 7) Name four drugs used in HIV infection
- 8) Name a Heparin antagonist. Mention its use
- 9) Name two parenteral iron preparations and their adverse effects
- 10) Why Clomiphene is used in anovulatory infertility?
- 11) Mention two bronchodilators with one adverse effect of each

JULY 2015

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DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008

M.B.B.S. DEGREE EXAMINATION - JULY, 2015

SECOND M.B.B.S. EXAMINATION

PATHOLOGY

(GENERAL PATHOLOGY & HAEMATOLOGY)

PAPER-I

Max. Marks: 40

Time : 2 Hours

Note: Answer all questions

Draw neat diagram wherever necessary

- 1) A 48 year-old male presented with pallor and easy fatigability. 2+3+5=10
He complains of a sore tongue and tingling in hands and feet.
His haemoglobin level was 9 gms/dL. He gives history of
undergoing partial gastrectomy 3 years ago for gastric ulcer.
- What is your diagnosis?
 - Describe the pathogenesis of this disease
 - Describe the peripheral blood picture and bone marrow appearance in this patient

WRITE SHORT NOTES ON:

5X4=20

- Air embolism
- Klinefelter syndrome
- Tumour markers
- Pathogenesis of type I hypersensitivity reaction
- Phagocytosis

WRITE BRIEFLY ON:

5X2=10

- Wound healing by first intention
- Define apoptosis and mention any two morphological features
- Name four inherited haemolytic anaemias
- Name any four myeloproliferative disorders
- Four skeletal abnormalities in rickets

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DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008
M.B.B.S. DEGREE EXAMINATION - JULY, 2015
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw neat diagram wherever necessary

- 1) A 45 year old lady presented with a painless swelling in the left breast for 3 months duration. On examination the swelling was firm, fixed to the overlying skin. Left axillary lymph nodes were enlarged. Fine needle aspiration of the swelling showed loosely cohesive cells with pleomorphic hyperchromatic nuclei and prominent nucleoli. 1+6+2+1=10
- a) What is your diagnosis
 - b) Describe the etiopathogenesis of this condition
 - c) How will you classify this condition?
 - d) What are prognostic factors for this condition?

WRITE SHORT NOTES ON:

5X4=20

- 2) Atherosclerotic aneurysm
- 3) Morphology of pleomorphic adenoma of salivary gland
- 4) Meningioma
- 5) Morphology of Lobar Pneumonia and complications
- 6) Benign cystic teratoma of the ovary

WRITE BRIEFLY ON:

5X2=10

- 7) Microscopic appearance of peptic ulcer
- 8) Name four malignant tumours of the thyroid
- 9) Gross appearance of osteogenic sarcoma
- 10) Four differences between Crohn's disease and ulcerative colitis
- 11) Four causes for cirrhosis of liver

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DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA – 520 008
M.B.B.S. DEGREE EXAMINATION – JULY, 2015
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Give diagrammatic representations wherever necessary.

- 1) Define Forensic Thanatology. Mention the two stages of death 2+4+4=10
and discuss early changes after death.

WRITE SHORT NOTES ON:

5X4=20

- 2) Factors modify the action of poisons.
- 3) Legal problems of artificial insemination
- 4) Manual Strangulation
- 5) Functions of Indian Medical Council
- 6) Whiplash injury

WRITE BRIEFLY ON:

5X2=10

- 7) B.A.L
- 8) Treatment of chronic opium poisoning
- 9) Psychiatric symptoms of Cannabis Indica intoxication
- 10) Reasons for Negative Autopsy
- 11) Post mortem appearances in Carbon monoxide poisoning

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2014
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(BACTERIOLOGY & IMMUNOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

- 1. Classify hypersensitivity reactions with examples. Describe type 1 hypersensitivity.**

5+5= 10

WRITE SHORT NOTES ON:

5x4=20

- 2. Auto immunity**
- 3. Requirements of ideal media**
- 4. Immunological tolerance**
- 5. C Reactive Protein**
- 6. Bacterial filters**

WRITE BRIEFLY ON:

5x2=10

- 7. Live bacterial vaccines**
- 8. Define monoclonal antibodies**
- 9. X and V factors**
- 10. String test**
- 11. Phagocytosis**

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2014
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(VIROLOGY, MYCOLOGY & PARASITOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Describe the morphology, life cycle and pathogenesis of *Leishmania donovani*. Discuss on the laboratory diagnosis of kala azar. (2+2+3+3=10)

WRITE SHORT NOTES ON:

5x4=20

2. Cultivation of viruses
3. Morphology and antigenic variation seen in influenza virus.
4. Dermatophytes
5. Interferons
6. *Histoplasma capsulatum*

WRITE BRIEFLY ON:

5x2=10

7. Merits and demerits of two commonly used anti polio vaccines
8. Slide culture technique for fungi
9. *Microfilaria*
10. Parasites visible to naked eye in stool
11. Morphology of Rabies Virus

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2014
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-I

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Classify drugs used in Hypertension. Describe the mechanism of action and adverse effects of angiotensin converting enzyme inhibitors. 3+4+3=10

WRITE SHORT NOTES ON:

5X4=20

2. Drug therapy of status epilepticus
3. Treatment of organophosphorus compound poisoning.
4. Microsomal enzyme induction.
5. Advantages of selective serotonin reuptake inhibitors.(SSRIs)
6. Essential drug concept.

WRITE BRIEFLY ON:

5X2=10

7. Rationale for use of digoxin in atrial fibrillation
8. Four therapeutic uses of adrenaline
9. Name four nasal decongestants
10. Two uses and two complications of Mannitol
11. Two uses and two adverse effects of loop diuretics.

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2014
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Classify antiamebic drugs. Explain Pharmacological action, uses and adverse effects of metronidazole. 2+3+3+2=10

WRITE SHORT NOTES ON:

5x4=20

2. Selective estrogen receptor modulators (SERMs)
3. Proton pump inhibitors (PPIs)
4. Insulin resistance.
5. Cotrimoxazole – uses and adverse effects
6. Mechanism of action and therapeutic uses of acyclovir.

WRITE BRIEFLY ON:

5x2=10

7. Rationale of using pyridoxine with INH.
8. Four uses of Chloroquine.
9. Mention four characteristic adverse effects of aminoglycosides.
10. Mention uses of fibrinolytics.
11. Name two mast cell stabilizers and its two uses.

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2014
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. A male child aged 8 years presented with fever, fatigue, generalized lymphadenopathy, bone pain, petechial hemorrhages over the skin, pallor, enlarged testes and features of meningism.
- What is the provisional diagnosis?
 - Describe blood and bone marrow picture and
 - Other investigations to confirm the diagnosis.
 - Discuss the prognosis of the same. (1+4+3+2=10)

WRITE SHORT NOTES ON:

5x4=20

- Etiology and pathogenesis of fat embolism
- Mention Arachidonic acid metabolites and their role in inflammation.
- Tabulate the differentiating features of Necrosis and Apoptosis
- Describe the chemical nature of Amyloid
- Describe the steps / events involved in mechanism of tumor INVASION and METASTASIS

WRITE BRIEFLY ON:

5x2=10

- Name any four (4) pathological changes in Vitamin A deficiency
- Name any four (4) growth factors involved in regeneration and wound healing
- Name one (1) infectious disease and three (3) tumors caused by Epstein-Barr virus
- Name three (3) X-linked recessive and one (1) X-linked dominant disorders
- Name two (2) special stains for reticulocytes and two (2) causes of Reticulocytosis.

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2014
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Answer all questions

- 1) A male aged 60 years who is a chronic smoker presented with history of slowly increasing severe exertional dyspnoea and weight loss. He is barrel-chested and dyspneic with prolonged expiration, sits forward in a hunched-over position and breaths through pursed lips (1+4+4+1=10)
- a) What is the probable diagnosis?
 - b) Mention the major types (classification) with appropriate diagrams
 - c) Discuss the pathogenesis of the lesion
 - d) Mention two causes of death in most of these patients

WRITE SHORT NOTES ON:

5x4=20

- 2) Skeletal Ewing's sarcoma – common sites, X-ray appearance and microscopic picture.
- 3) Endometriosis – Definition, chief locations and histogenesis
- 4) Cardiac lesions in Acute Rheumatic fever (Acute RHD)
- 5) Name the types of Renal lesions in Diabetic Nephropathy and describe the histology of glomerular lesions
- 6) Morphology of Astrocytomas

WRITE BRIEFLY ON:

5x2=10

- 7) Paget's disease of Nipple – Gross and microscopic picture
- 8) Name three (3) pre-malignant (carcinoma-in-situ) lesions of Penis mention the common infective agent associated with these lesions
- 9) Morphology of Amoebic colitis
- 10) Microscopic picture of thyroid in Graves disease
- 11) Four major etiologic factors associated with Hepatocellular Carcinoma

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2014
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Enumerate various types of violent asphyxial deaths. What are the post-mortem appearances of a typical case of suicidal hanging? (3+7=10)

WRITE SHORT NOTES ON:

5x4=20

2. Privileged communication
3. Post-mortem hypostasis
4. Plumbism
5. Primary impact injuries
6. Primary skin incisions for opening the body during autopsy.

WRITE BRIEFLY ON:

5x2=10

7. Mc Ewan's sign
8. Magnan's symptom
9. Mc Naughton rule
10. Maceration of foetus
11. Mention contraindications of gastric lavage

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M.B.B.S. DEGREE EXAMINATION – JULY / AUGUST, 2014
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(BACTERIOLOGY & IMMUNOLOGY)
PAPER-I

506-A

Time : 2 Hours

Note: Answer all questions

Max. Marks: 40

Give diagrammatic representation wherever possible

- 1) Classify Salmonella. Describe how you would investigate a suspected enteric fever. 3+7=10

WRITE SHORT NOTES ON:

- 2) Principle of autoclave. 5X4=20
3) Draw a diagram of Bacterial cell and label the parts.
4) Typhus fevers.
5) Alternate pathway of complement.
6) Pneumococci.

WRITE BRIEFLY ON:

- 7) Helicobacter pylori. 5X2=10
8) Antigen presenting cells.
9) Prevention of Tetanus.
10) Rheumatoid factor.
11) Collection of Urine for Bacterial Culture.

M.B.B.S. DEGREE EXAMINATION – JULY / AUGUST, 2014
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(VIROLOGY, MYCOLOGY & PARASITOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Note: Answer all questions.

Give diagrammatic representation wherever possible.

- 1) Describe the cycle of *Trypanosoma brucei gambiense*. Write 5+2+3=10
briefly the clinical features and laboratory diagnosis of this
infection.

WRITE SHORT NOTES ON:

5X4=20

- 2) Mode of infection of *Ancylostoma* and its laboratory
diagnosis.
3) Pathogenesis and prevention of Measles.
4) Hepatitis C virus.
5) Laboratory diagnosis of Chikungunya.
6) Cryptococci.

WRITE BRIEFLY ON:

5X2=10

- 7) Aspergillosis.
8) Parasites causing anemia.
9) HIV Viral load assay.
10) Draw diagram of *E. histolytica* trophozoite.
11) Rhinosporidiosis.
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M.B.B.S. DEGREE EXAMINATION – JULY/AUGUST, 2014
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-I

Time : 2 Hours

Max. Marks : 40

Answer all questions

- 1) Classify Beta Blockers. Write the Pharmacological actions, Therapeutic uses and adverse effects of Beta blockers. $3+2+3+2=10$

WRITE SHORT NOTES ON:

5X4=20

- 2) Newer drug delivery systems.
- 3) Mention potassium sparing diuretics and write their therapeutic uses.
- 4) Therapeutic uses and adverse effects of Aspirin.
- 5) Explain the mechanism of action of Nitrates in angina Pectoris.
- 6) Advantages and disadvantages of halothane as general anaesthetic.

WRITE BRIEFLY ON:

5X2=10

- 7) Drug Interaction.
- 8) Mention two uses and two adverse effects of Carbamazepine.
- 9) Treatment of Succinyl Choline Apnoea.
- 10) Classify Antiarrhythmic drugs and give one example under each class.
- 11) First pass metabolism.

505-B

M.B.B.S. DEGREE EXAMINATION – JULY/AUGUST, 2014
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

- 1) Enumerate the Amino glycoside antibiotics. Mention their general pharmacological properties. Write the therapeutic uses of aminoglycosides and their side effects. 3+2+3+2=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Mechanism of action of oral contraceptives.
- 3) Lovastatin.
- 4) Omeprazole.
- 5) Mucolytics.
- 6) Mechanism of action and adverse effects of Metformin.

WRITE BRIEFLY ON:

5X2=10

- 7) Advantages of the Radio Active Iodine.
 - 8) Name two chelating agents and mention one indication for each.
 - 9) Uses of Rifampicin.
 - 10) Write briefly on the mechanism of action and one use of methylethergometrine.
 - 11) Treatment of Heparin overdosage.
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M.B.B.S. DEGREE EXAMINATION - JULY / AUGUST, 2014
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Max. Marks: 40

Time : 2 Hours

Note : Answer all questions

Draw neat diagram wherever necessary

- 1) A 60 year old patient long history of rheumatoid arthritis presented with enlarged tongue and a history of diarrhoea. Urine shows positive heat test for proteins and ECG shows conduction disturbances. 2+2+4+2=10
- What is the possible diagnosis and what will be ideal site for biopsy to confirm it?
 - Name the lab technique for definite diagnosis.
 - Write four (4) types of this abnormal substance and their associated diseases.
 - Give the structural details of the substance.

WRITE SHORT NOTES ON:

5X4=20

- Tabulate the differences between Leukemoid reaction and Chronic myeloid leukemia.
- Classification of Hemolytic anemia and Lab diagnosis of β Thalassemia major.
- Bone changes in rickets.
- Examples of Radiation injury and morphological changes induced by them.
- Pathogenesis of Endotoxic shock.

WRITE BRIEFLY ON:

5X2=10

- Name four (4) causes of granuloma formation.
- Name four (4) clinical features of Turner Syndrome.
- Give four (4) examples of Type I Hypersensitivity reaction.
- Draw a diagram of Reed Sternberg cell.
- Describe four (4) modes of tumor spread with examples.

M.B.B.S. DEGREE EXAMINATION – JULY / AUGUST, 2014
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw neat diagram wherever necessary

- 1) A 54-year old woman noted a 6-month history of progressive vaginal discharge sometimes blood tinged. She was 2 years post menopausal and earlier took oral contraceptives for 10 years. She complains of right back pain and right leg swelling. The per-speculum examination showed an unhealthy cervix with ulceration. 1+6+2+1=10
- What is the most likely diagnosis?
 - Write two (2) high risk, two (2) low risk microorganism and two (2) social factors associated with this lesion.
 - Name the screening tests performed for it.
 - Describe the preventive measures.

WRITE SHORT NOTES ON:

5X4=20

- Morphology of Meningioma.
- What are the types of pneumonia; write about the morphology of Lobar pneumonia and its complications.
- Etiopathogenesis and morphology of Carcinoma Prostate.
- Etiopathogenesis and morphology of Alcoholic liver disease.
- What are the causes of peptic ulcer, write its morphology and complications?

WRITE BRIEFLY ON:

5X2=10

- Morphology of Post streptococcal Glomerulonephritis.
- Types of gall stones and their complications.
- Burkitt's Lymphoma.
- Types and morphology of Cardiac vegetations.
- Giant cell tumor – common sites and its radiological and microscopic picture.

M.B.B.S. DEGREE EXAMINATION – JULY / AUGUST, 2014
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Answer all questions

Give diagrammatic representation wherever possible

- 1) Discuss the different types of Skull Fractures. Add a note on 4+3+3=10
Coup and Contra Coup Injuries.

WRITE SHORT NOTES ON:

5X4=20

- 2) Viability of a foetus.
- 3) Treatment of Snake Bite.
- 4) Hallucinations.
- 5) Causes of Impotence in a Male.
- 6) Anti dotes.

WRITE BRIEFLY ON:

5X2=10

- 7) Types of Hymen.
- 8) Types of Hyoid Bone Fractures.
- 9) Types of Consent in Medical Practice.
- 10) Types of Death.
- 11) Types of Finger Prints.

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2013**SECOND M.B.B.S. EXAMINATION****MICROBIOLOGY****(BACTERIOLOGY & IMMUNOLOGY)****PAPER-I****Time : 2 Hours****Max. Marks: 40****Answer all questions**

1. Describe the virulence factors of *Neisseria gonorrhoeae* with the help of a diagram. Describe the laboratory diagnosis of gonorrhea. Add a note on the chemotherapy of the condition. 4+3+3=10

WRITE SHORT NOTES ON:

5X4=20

2. Immunoglobulin A
3. Enrichment media
4. The Lectin pathway of complement activation
5. Enteropathogenic *Escherichia coli*
6. *Bartonella quintana*

WRITE BRIEFLY ON:

5X2=10

7. Superantigens
8. *Treponema Pallidum* hemagglutination test
9. Tumor necrosis factor
10. Cold agglutination test
11. Anaphylaxis reaction

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2013**SECOND M.B.B.S. EXAMINATION****MICROBIOLOGY****(VIROLOGY, MYCOLOGY & PARASITOLOGY)****PAPER-II**

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Classify Arbo viruses and list the Arbo viruses prevalent in India.
Write in detail about the pathogenesis and clinical features of Dengue.
Add a note on the laboratory diagnosis of dengue.

3+4+3=10

WRITE SHORT NOTES ON:

5X4=20

2. Pathogenesis and laboratory diagnosis of toxoplasmosis
3. Laboratory diagnosis of malaria.
4. Pathogenesis and laboratory diagnosis of neurocysticercosis.
5. Cryptococcus neoformans
6. Larva migrans

WRITE BRIEFLY ON:

5X2=10

7. Germ tube test
8. Name 4 major antigens of HIV
9. Mention viruses causing gastroenteritis
10. Post Kala-azar dermal leishmaniasis – cause, development
and lab diagnosis
11. Ectothrix

505-A

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2013
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-I

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Classify Beta adrenergic blocking drugs. Write the Pharmacological actions, therapeutic uses and contraindications of propranolol.

2+3+2+3=10

WRITE SHORT NOTES ON:

5X4=20

2. Mechanism of action and therapeutic uses of neostigmine.
3. Mechanism of action and therapeutic uses of amlodipine.
4. Mechanism of action and therapeutic uses of dantrolene.
5. Advantages and disadvantages of nitrous oxide as general anaesthetic.
6. Advantages and disadvantages of intravenous route of drug administration.

WRITE BRIEFLY ON:

5X2=10

7. Mechanism of action and therapeutic uses of tamsulosin.
8. Mention two therapeutic uses of mannitol with route of administration.
9. Mention four drugs used in absence seizure (Petit mal epilepsy)
10. Mention four newer drugs used in treatment of Parkinsonism.
11. Define drug synergism and drug antagonism.

- - -

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2013
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Classify penicillins. Describe the mechanism of action, adverse effects and therapeutic uses of benzyl penicillin. $2+3+2+3=10$

WRITE SHORT NOTES ON:

5x4=20

2. Name therapeutic uses and adverse effects of corticosteroids.
3. Adverse effects and therapeutic uses of metronidazole.
4. Mechanism of action and therapeutic uses of streptokinase.
5. Mechanism of action and adverse effects of zidovudine.
6. Mechanism of action and therapeutic uses of methotrexate.

WRITE BRIEFLY ON:

5x2=10

7. Mention two advantages and two disadvantages of Radio Active Iodine.
8. Mention two mast cell stabilizers used in therapy and two uses of them.
9. Mention two therapeutic uses of d-penicillamine.
10. Mention two adverse effects and two uses of Rifampicin.
11. Mention two tocolytic drugs and two therapeutic uses of them.

- - -

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2013
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. An young and stout male met with an accident. He sustained multiple injuries, fractures of femur and tibia. These fractures are stabilized at Surgery soon after admission. He is in a stable condition. However 2 days after admission he suddenly becomes dyspneic and developed tachypnea and tachycardia, irritability, restlessness and it progressed to delirium, coma and death on 7th day.

- a) What is the provisional diagnosis?
- b) Discuss the pathogenesis of the lesion
- c) Describe microscopic picture of the Lungs in the above condition.
- d) How "Frozen sections" of the lung tissue help in final diagnosis at autopsy and mention various stains specific for it?

1+4+2+3 = 10

5x4=20

WRITE SHORT NOTES ON:

2. Protein derived mediators of acute inflammation.
3. Down Syndrome
4. Pathogenesis of Amyloidosis
5. Physical carcinogenesis
6. Blood and Bone marrow findings in Aplastic anemia.

5x2=10

WRITE BRIEFLY ON:

7. Mention 4 sequelae of Ghon's complex
8. Name 4 main components of Extra cellular Matrix (ECM)
9. Name 4 morphologic changes (cytoplasmic & Nuclear) in necrotic cell.
10. Name 4 Blood components separated from whole blood and mention one clinical use for each.
11. Mention 4 morphologic characteristics of a Myeloblast.

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2013
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. A 60 year old male having fever and weight loss presented with painless hematuria, flank pain and palpable mass in the left renal angle. CT Scan confirmed a specific organ mass lesion, regional lymphnodes and renal vein involvement. Chest radiograph showed pulmonary "cannonball" secondaries and his PCV is of 60%.
- What is the provisional diagnosis?
 - Discuss the etiopathogenesis of the lesion.
 - Describe its morphology.
 - Mention various paraneoplastic syndromes produced by this lesion.
- 1+3+4+2 = 10

WRITE SHORT NOTES ON:

5x4=20

- Etiopathogenesis of Emphysema.
- Pathology of Graves disease.
- Describe location and macroscopic appearance of vegetations in Bacterial Endocarditis (BE). Mention extra cardiac complications of BE.
- Morphology of common and classic osteosarcoma.
- Etiologic and Morphologic classification of Cirrhosis of Liver.

WRITE BRIEFLY ON:

5x2=10

- Cause and histology of Barrett esophagus.
- Name one benign tumor and three Premalignant (carcinoma in situ) lesions of penis.
- Diagrammatically illustrate the two microscopic patterns of fibroadenoma breast.
- Name 4 surface epithelial tumors of ovary.
- Mention the site, size, appearance and common complication of Berry Aneurysm.

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2013
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE

508-A

Time : 2 Hours

Answer all questions

Max. Marks: 40

-
- 1. Classify Fire Arms. Describe the wounds caused by Shot Gun missile at different ranges of Firing.**

10

WRITE SHORT NOTES ON:

5x4=20

- 2. Euthanasia**
- 3. Cadaveric Spasm**
- 4. Delusions**
- 5. Hydrostatic Test**
- 6. Types of Drowning**

WRITE BRIEFLY ON:

5x2=10

- 7. Carboluria**
- 8. Run Amok**
- 9. Lochia**
- 10. Conduct money**
- 11. Filigree Burns.**

! 06-A

M.B.B.S. DEGREE EXAMINATION – JULY, 2013
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(BACTERIOLOGY & IMMUNOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Describe the suppurative and nonsuppurative clinical manifestations of streptococcus pyogenes infections. Add a note on the diagnosis of acute rheumatic fever. 5+5 = 10

WRITE SHORT NOTES ON:

5X 1=20

2. Immunodeficiency diseases associated with disorders of Phagocytosis
3. Differences between primary and secondary immune responses
4. Type II cytotoxic hypersensitivity
5. Food poisoning due to Bacillus cereus
6. Virulence factors of Vibrio cholerae

WRITE BRIEFLY ON:

5X 2=10

7. Graft- versus-host response
8. Weil - Felix test
9. Bacterial cell wall
10. HACEK group of organisms
11. Transfer factor

506-B

**M.B.B.S. DEGREE EXAMINATION – JULY, 2013
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(VIROLOGY, MYCOLOGY & PARASITOLOGY)
PAPER-II**

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Write briefly on the structure and antigenic nature of Influenza viruses with a diagram. Explain the epidemiology of Influenza. Add a note on the laboratory diagnosis of the virus. 3+4+3=10

WRITE SHORT NOTES ON:

5X4=20

2. Life cycle and newer laboratory diagnostic methods of disease caused by *Echinococcus granulosus*
3. Non-microscopic diagnosis of intestinal amoebiasis.
4. Serological markers in the diagnosis of Hepatitis B virus
5. Laboratory diagnosis of *Pneumocystis jirovecii* (*P. carinii*)
6. Dimorphic fungi

WRITE BRIEFLY ON:

5X2=10

7. Penicilliosis
8. Morphology of *Taenia Saginata*
9. Tropical pulmonary eosinophilia
10. Malignancies associated with Epstein Barr virus
11. *Larva currens*

505-A

M.B.B.S. DEGREE EXAMINATION – JULY, 2013
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-I

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Enumerate the antipsychotics. Explain the mechanism of action and enumerate the adverse effects and uses of Chlorpromazine.

10

WRITE SHORT NOTES ON:

5X4=20

2. Uses and adverse effects of diazepam
3. Give the comparison and contrast between tubocurarine and succinylcholine
4. Transdermal drug administration
5. Name 4 antihypertensive drugs. Write the pharmacological basis for use in hypertension of any two of them.
6. Pharmacokinetic drug interactions

WRITE BRIEFLY ON:

5X2=10

7. What is therapeutic index? Name two drugs that have low therapeutic index.
8. Morphine is used in myocardial infection – give reason
9. Atropine is used in organophosphorus poisoning – give reason
10. Sildenafil should be avoided in patients receiving organic nitrates – give reason.
11. Name 2 potassium sparing diuretics and 2 loop diuretics.

- - -

M.B.B.S. DEGREE EXAMINATION – JULY, 2013
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II

505-B

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Enumerate oral antidiabetic drugs. Write the mechanism of action and adverse effects of any two of them. 3+5+2=10

WRITE SHORT NOTES ON:

5x4=20

2. Indications and adverse effects of oral and parenteral iron.
3. Ciprofloxacin.
4. Ranitidine.
5. Name the first line antitubercular drugs. Write the mechanism of action and adverse effects of any one of them
6. Enumerate aminoglycosides. List the common properties of aminoglycosides.

WRITE BRIEFLY ON:

5x2=10

7. Name 4 antimicrobials used in anaerobic infections
8. Advantages of combination of antimicrobial agents.
9. Name 4 glucocorticoid preparations
10. Why MESNA (2 – mercaptoethanesulfonate) is given in patients receiving cyclophosphamide – give reason.
11. Estrogen and progesterone are used together for contraception – give reason

M.B.B.S. DEGREE EXAMINATION – JULY, 2013
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. A 35 year old male was admitted with easy fatigability, anorexia, weakness, weight loss, night sweats and dragging sensation in the abdomen due to massive splenomegaly. His total WBC count was 2,00,000 cells / mm³.

- a) What is the provisional diagnosis?
- b) Describe the blood and bone marrow picture.
- c) Describe the chromosomal abnormality of the disease
- d) Mention various phases of the disease.

1+5+2+2=10

5x4=20

WRITE SHORT NOTES ON:

2. Free radicals
3. Phagocytosis
4. Klinefelter's syndrome
5. Packed cell volume (PVC)
6. Healing by second intention and complications of wound healing

5x2=10

WRITE BRIEFLY ON:

7. Characteristics of malignant cell
8. Fate of thrombus
9. Lipofuscin
10. Tuberculoid Leprosy – Microscopic picture
11. Sago spleen

**M.B.B.S. DEGREE EXAMINATION – JULY, 2013
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II**

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. A 40 year old female has 16 weeks amenorrhoea and on examination her uterus size was larger and corresponds to 21 weeks size gestation. She complains bleeding and passing grape like vesicles per vaginum. Her blood and urine HCG levels are elevated and higher than normal pregnancy. 1+3+5+1=10

- a) What is the provisional diagnosis?
- b) Mention the two types of this benign non-invasive lesion and discuss their different pathogenesis
- c) Describe the gross and microscopic picture
- d) Mention the complications

5×4=20

WRITE SHORT NOTES ON:

2. Lobar Pneumonia
3. Pleomorphic adenoma
4. Wilms tumor
5. Giant cell tumor - Bone
6. Hashimoto's Thyroiditis

5×2=10

WRITE BRIEFLY ON:

7. Hodgkin Lymphoma – WHO classification
8. Four (4) complications of chronic gastric ulcer
9. Types of aneurysms
10. Microscopic picture in seminoma
11. CSF findings in pyogenic meningitis

508-A

**M.B.B.S. DEGREE EXAMINATION – JULY, 2013
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE**

Time : 2 Hours

Max. Marks: 40

Answer all questions

-
- 1. Discuss the mechanism of action, clinical features and treatment of Organophosphorus insecticide poisoning. 3+4+3= 10**

WRITE SHORT NOTES ON:

5x4= 20

- 2. Cephalic Index**
- 3. Medico legal importance of Pregnancy**
- 4. Impulse**
- 5. Rule of Nines**
- 6. Differentiate entry and exit wounds of a bullet**

WRITE BRIEFLY ON:

5x2= 10

- 7. Types of Abrasions**
- 8. Informed consent**
- 9. Atavism**
- 10. Lucid Interval**
- 11. Café Coronary**
-

506-A

M.B.B.S. DEGREE EXAMINATION – JULY, 2012
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(BACTERIOLOGY & IMMUNOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Enumerate the organisms causing Enteric fever. 2+2+6=10

Discuss its mode of spread and laboratory diagnosis.

WRITE SHORT NOTES ON:

5X4=20

2. Bacterial growth curve
3. Tests for identification of Tuberculous bacilli.
4. Coagulase Test.
5. Non specific urethritis
6. VDRL Test

WRITE BRIEFLY ON:

5X2=10

7. 'IMViC' reaction
8. Four differences between El Tor Vibrios and classical Cholera vibrios
9. Lyme disease
10. Cytokines
11. Autoclave

506-B

M.B.B.S. DEGREE EXAMINATION – JULY, 2012
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(VIROLOGY, MYCOLOGY & PARASITOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Classify viruses with examples. Outline laboratory diagnosis of viral diseases. Describe the morphology and pathogenicity of HIV virus. 10

WRITE SHORT NOTES ON:

5X4=20

2. Hepatic Amoebiasis
3. Compare Rhabditiform larva and Filariform larva.
4. Opportunistic fungal infection.
5. Morphology and culture of parasites causing Kala azar in man.
6. Polio virus.

WRITE BRIEFLY ON:

5X2=10

7. Actinomycosis.
8. Viral Encephalitis.
9. Laboratory diagnosis of filariasis.
10. Fungal infections seen in AIDS patients.
11. Morphology of Aspergillosis.

M.B.B.S. DEGREE EXAMINATION – JULY, 2012
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-I

505-A

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Classify antihypertensive drugs. Explain the mechanism of action and enumerate the adverse effects of any two of them.

3+7= 10

WRITE SHORT NOTES ON:

5X4=20

2. Uses of adrenaline
3. Define a receptor. Write briefly the functioning of G protein coupled receptor
4. Paracetamol
5. Adverse effects of Phenytoin
6. Mechanism of action and adverse effects of furosemide

WRITE BRIEFLY ON:

5X2=10

7. Treatment of organophosphorus poisoning.
8. What is a prodrug? Give 2 examples.
9. Name the preferred antiarrhythmic used in a) Ventricular arrhythmia b) Paroxysmal Supraventricular Tachycardia (PSVT)
10. What is balanced anaesthesia? Name two drugs used in preanesthetic medication.
11. Fluvoxamine is used in depression – give reason.

505-B

M.B.B.S. DEGREE EXAMINATION – JULY, 2012
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Classify cephalosporins. Write their general therapeutic uses and adverse effects. 10

WRITE SHORT NOTES ON:

5x4=20

2. Glucocorticoids in bronchial asthma
3. Compare and contrast propylthiouracil and methimazole
4. Antacids
5. Isoniazid
6. Enumerate the antiretroviral drugs. Write the adverse effects of any two of them.

WRITE BRIEFLY ON:

5x2=10

7. Leucovorin rescue
8. Adverse effects of chloroquine.
9. Name 2 insulin analogs and mention 2 advantages of them
10. Name 2 antiplatelet drugs and write 2 uses of them
11. List 4 drugs used in anaerobic infections.

- - -

JULY-2012

507-A

M.B.B.S. DEGREE EXAMINATION – JULY, 2012
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. A 3 year old child presented with pallor, growth retardation and history of repeated blood transfusions. The child is having splenomegaly and mild jaundice. Skull X-ray showing "Hair on end (crew cut) appearance". 10

- a) What is the most probable diagnosis?
- b) Describe various laboratory investigations to establish the diagnosis.
- c) Discuss pathogenesis of the disorder.

WRITE SHORT NOTES ON:

5x4=20

- 2. Differences between benign and malignant tumours
- 3. Morphology of Lepromatous Leprosy
- 4. Antinuclear antibodies
- 5. Turner syndrome
- 6. Phagocytosis

WRITE BRIEFLY ON:

5x2=10

- 7. Name four (4) types of Necrosis with examples.
- 8. Significance of exfoliative cytology
- 9. Nutmeg Liver
- 10. Name four (4) Fat stains.
- 11. Name the tests for detection of proteins in urine.

- - -

**M.B.B.S. DEGREE EXAMINATION – JULY, 2012
SECOND M.B.B.S. EXAMINATION
PATHOLOGY**

507-B

(SYSTEMIC PATHOLOGY)

PAPER-II

Time : 2 Hours

Answer all questions

Max. Marks: 40

-
- 1. A 55 year old female presented with post menopausal bleeding and foul smelling vaginal discharge. P/V examination revealed unhealthy, indurated and ulcerated cervix. 10**

- a) What is the provisional diagnosis?
- b) How do you establish the diagnosis?
- c) Describe the microscopic picture of the lesion.

WRITE SHORT NOTES ON:

5x4=20

- 2. Crohn's disease - morphology
- 3. Ewing's sarcoma
- 4. Renal cell carcinoma
- 5. Aschoff nodules/bodies
- 6. Undescended testes.

WRITE BRIEFLY ON:

5x2=10

- 7. Pyogenic meningitis – CSF findings.
- 8. Lung Cancer – Histological types
- 9. Gall stones – Types and complications
- 10. Name the benign tumours of the breast.
- 11. Follicular adenoma thyroid–Gross and histological picture.

M.B.B.S. DEGREE EXAMINATION – JULY, 2012
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE

508-A

Time : 2 Hours

Max. Marks: 40

Answer all questions

-
- 1. Define and classify injuries.**

10

**Describe different types of abrasions and mention their
Medico-legal importance.**

WRITE SHORT NOTES ON:

5x4=20

- 2. Contributory negligence**
- 3. Chelating agents**
- 4. Caffey syndrome**
- 5. Conditions simulating rigor mortis**
- 6. Causes of impotency in male**

WRITE BRIEFLY ON:

5x2=10

- 7. Abrasion collar**
- 8. Antidotes**
- 9. Arborescent markings**
- 10. Atavism**
- 11. Abortion Stick.**

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2012
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(BACTERIOLOGY & IMMUNOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Define and classify sterilization. Write in detail about moist heat sterilization. 10

WRITE SHORT NOTES ON:

5X4=20

2. Bacterial spore.
3. Widal test.
4. Nagler reaction.
5. Atypical Mycobacteria.
6. Autoimmunity.

WRITE BRIEFLY ON:

5X2=10

7. L-forms of bacteria.
 8. Selective media
 9. Classify Streptococci.
 10. Lepromin test.
 11. Draw diagram of IgM and label its parts.
- - -

506-B

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2012
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(VIROLOGY, MYCOLOGY & PARASITOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Name the intestinal nematodes. Write the morphology, life cycle and lab diagnosis of *Ascaris lumbricoides*. 10

WRITE SHORT NOTES ON:

5X4=20

2. Prophylaxis of poliomyelitis.
3. Viral replication.
4. Life cycle of *Echinococcus granulosus*.
5. Life cycle of *Wuchereria bancrofti*.
6. Candidiasis.

WRITE BRIEFLY ON:

5X2=10

7. Name four (4) arboviral diseases in India
8. Antigenic shift and drift.
9. Morphology of *Balantidium*
10. Morphology of *Trichomonas vaginalis*.
11. Name four (4) deep mycotic fungi.

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2012
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-I

Time : 2 Hours

Max. Marks : 40

Answer all questions

- 1. Classify Antiepileptics. Write the mechanism of action and adverse effects of Phenytoin. 10**

WRITE SHORT NOTES ON: 5X4=20

- 2. What is pharmacogenetics? Give examples.**
- 3. Synthetic Atropine substitutes used in therapy.**
- 4. Mechanism of action and therapeutic uses of Acetazolamide.**
- 5. Atypical neuroleptics.**
- 6. Write the beneficial effects of nitrates used in angina pectoris.**

WRITE BRIEFLY ON: 5X2=10

- 7. Advantages of Benzodiazepines over Barbiturates as sedatives.**
- 8. Pharmacological basis of using low dose aspirin in post myocardial infarction patients.**
- 9. What is plasma half life? Mention its clinical significance.**
- 10. Mention two advantages and two disadvantages of Halothane.**
- 11. What is Dantrolene sodium? Mention its uses.**

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2012
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

1. Enumerate Fluoroquinolones. Write the mechanism of action and therapeutic uses of Ciprofloxacin. 10

WRITE SHORT NOTES ON:

5x4=20

2. Beta-lactamase inhibitors.
3. Therapeutic uses of corticosteroids.
4. Radioactive iodine.
5. Fibrinolytics.
6. Antitussives.

WRITE BRIEFLY ON:

5x2=10

7. Mention mechanism of action and one use of Diethylcarbamazine citrate.
8. Mention four therapeutic uses of Chloroquine.
9. What is the rationale of combining Pyrimethamine with Sulphonamide?
10. Name two Purine antagonists. Mention two uses.
11. What is Domperidone? Mention one use.

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2012
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. A 4 years old male child presented with fatigue, fever, epistaxis, bleeding gums, bone pain and CNS manifestations from meningeal involvement. Physical examination revealed petechiae and ecchymoses of skin and mucous membranes, generalized lymphadenopathy and testicular enlargement. The leukocyte and differential counts were abnormal. 1+4+3+3=10

- a) What is the provisional diagnosis?
- b) Discuss various main laboratory investigations to make a final diagnosis.
- c) Describe peripheral blood and bone marrow picture.
- d) Discuss molecular pathogenesis of the disease.

WRITE SHORT NOTES ON:

5x4=20

- 2. Role of Selectins and Integrins involved in the inflammatory response.
- 3. von Willebrand disease.
- 4. Systemic Thrombo embolism.
- 5. Physical and chemical nature of Amyloid
- 6. Important growth factors modulating tumor growth and biology.

WRITE BRIEFLY ON:

5x2=10

- 7. Barr bodies.
 - 8. Autophagy.
 - 9. Skeletal changes in Rickets.
 - 10. Late manifestations of congenital Syphilis.
 - 11. Frozen section.
- - -

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2012
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. A 58 year old male labourer presented with history of epigastric pain occurring immediately and sometimes within two hours of taking food. The pain relieved by vomiting. He had good appetite but afraid to eat and used to take bland diet. There is significant loss of body weight and deep tenderness present in the mid line of epigastrium.

1+3+4+2=10

- a) What is the provisional diagnosis?
- b) Discuss the etiopathogenesis.
- c) Describe the morphology of the lesion.
- d) Mention the complications.

5x4=20

WRITE SHORT NOTES ON:

2. Describe gross and microscopic picture of Pleomorphic adenoma.
3. Medullary carcinoma thyroid.
4. Cervical intraepithelial neoplasia.
5. Morphology of Lobar pneumonia.
6. Astrocytoma.

5x2=10

WRITE BRIEFLY ON:

7. Gross pathology of kidneys in benign and malignant nephrosclerosis.
8. Microscopic picture of malignant melanoma.
9. Mac Callum plaques.
10. Paget disease of Breast.
11. Four (4) conditions known to be associated with development of Osteosarcoma.

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M.B.B.S. DEGREE EXAMINATION – JANUARY, 2012
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. Describe the signs, symptoms, fatal dose, treatment and post-mortem findings in a case of Methyl alcohol poisoning. **10**

WRITE SHORT NOTES ON:

5x4=20

2. Difference between rigor mortis and cadaveric spasm.
3. Dactylography.
4. Doctrine of Res Ipsa Loquitur.
5. Diatom test.
6. Dowry death.

WRITE BRIEFLY ON:

5x2=10

7. Burking.
8. Basophilic stippling.
9. Brush burn.
10. Bondage.
11. Breslau second life test.
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