

Q.P.CODE:506-A

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

M.B.B.S. DEGREE EXAMINATION – JULY, 2019

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 possible

- 1) Describe the pathogenesis and laboratory diagnosis of Cholera. 4+3+3=10
Add a note on its epidemiology.

WRITE SHORT NOTES ON:

5X4=20

- 2) Bacterial filters
- 3) Blood Agar
- 4) Laboratory diagnosis of Pyogenic meningitis
- 5) Actinomycetes
- 6) Secretory Immunoglobulin

WRITE BRIEFLY ON:

5X2=10

- 7) Nonsuppurative complications of Streptococcal infections
 - 8) BCG vaccine
 - 9) Pathogenesis of tetanus
 - 10) Bacterial conjugation
 - 11) Name two immunodeficiency diseases of T cell defects
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M.B.B.S. DEGREE EXAMINATION – JULY, 2019
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) What are Arboviruses? Name four arboviral diseases common in India, their causative agents and vectors. Describe clinical features, laboratory diagnosis and prophylaxis of any one of them. 4+4+2=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Histoplasma capsulatum.
- 3) Epstein-Barr virus
- 4) Laboratory diagnosis of Malaria
- 5) Aspergillosis
- 6) Universal precautions

WRITE BRIEFLY ON:

5X2=10

- 7) Naegleria fowleri
- 8) Name four oncogenic viruses
- 9) Toxoplasma gondii
- 10) Antigenic shift
- 11) What are inclusion bodies? Give two examples.

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M.B.B.S. DEGREE EXAMINATION – JULY, 2019

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 antiepileptic drugs. Describe the mechanism of action, 10
adverse effects and therapeutic uses of Phenytoin sodium.

WRITE SHORT NOTES ON:

5X4=20

- 2) Define drug synergism, mention the different types with examples
- 3) Pharmacological actions and therapeutic uses of dopamine
- 4) Mention the differences between Aspirin and Paracetamol
- 5) Mechanism of action and therapeutic uses of Amiodarone
- 6) Selective Serotonin Reuptake Inhibitors (SSRI)

WRITE BRIEFLY ON:

5X2=10

- 7) Mention four vasodilators used in the treatment of hypertension
- 8) Mention four centrally acting skeletal muscle relaxants
- 9) Atropine is used for pre-anaesthetic medication – give reasons
- 10) Morphine is contraindicated in head injury – Give reasons
- 11) Thiazide diuretics are used in the treatment of Diabetes Insipidus.
Give reasons.

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M.B.B.S. DEGREE EXAMINATION – JULY, 2019

SECOND M.B.B.S. EXAMINATION

PHARMACOLOGY

PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

Give diagrammatic representation wherever necessary

-
- 1) Classify oral hypoglycemic drugs. Explain the mechanism of action of any two groups. Outline the management of Diabetic Ketoacidosis. 10

WRITE SHORT NOTES ON:

5x4=20

- 2) Adverse effects and therapeutic uses of Amoxicillin
- 3) Mechanism of action, adverse effects and therapeutic uses of Lamivudine
- 4) Mechanism of action and contraindications of female oral contraceptives
- 5) Mechanism of action and adverse effects of Isoniazid
- 6) Mechanism of action and therapeutic uses of oral anti coagulants.

WRITE BRIEFLY ON:

5X2=10

- 7) Mention two anabolic steroids
- 8) Mention any two drugs used in iron poisoning with route of administration.
- 9) Mention four drugs used in Chloroquine Resistant Malaria
- 10) Mention two low molecular weight (LMW) Heparins and two uses of them.
- 11) Mention two Prostaglandins used in Obstetrics and two uses of them.

JULY 2019

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M.B.B.S. DEGREE EXAMINATION - JULY, 2019
SECOND M.B.B.S. EXAMINATION

PATHOLOGY

(GENERAL PATHOLOGY & HAEMATOLOGY)

PAPER-I

Time : 2 Hours

Max. Marks: 40

Note: Answer all questions

Draw neat diagram wherever necessary

-
- 1) A 2 yr old male presented with fatigue and breathlessness 1+4+2+3=10
developing over 1 week. On examination he had gum bleeding,
epistaxis with petechiae, lymphadenopathy and splenomegaly.
CT scan showed presence of Mediastinal mass.

- a) Give the possible diagnosis
- b) Give the peripheral blood and bone marrow findings
- c) Give the cytochemical staining properties
- d) What are the prognostic factors?

WRITE SHORT NOTES ON:

5X4=20

- 2) Tabulate the differences between Tuberculoid and
Lepromatous Leprosy
- 3) Classification of anemias and lab diagnosis of Megaloblastic
anemia
- 4) Role of interleukins in Acute inflammation
- 5) Examples of viral carcinogens and mechanisms of cell injury by
viruses
- 6) Disseminated intravascular Coagulation

WRITE BRIEFLY ON:

5X2=10

- 7) Give four examples of immune complex -mediated type-II
Hypersensitivity reactions
- 8) Give two clinical features and two testicular findings in
Klinefelter Syndrome
- 9) Give four types of tissue necrosis with examples
- 10) Give four examples of deficiency diseases associated with four
different components of Vitamin B complex
- 11) Describe any four morphologic changes in Lupus nephritis.

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M.B.B.S. DEGREE EXAMINATION - JULY, 2019
SECOND M.B.B.S. EXAMINATION

PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw neat diagrams wherever necessary

- 1) A 45 year old woman presented to the surgical OPD with 1+4+3+2=10
yellowness in eyes and skin, passage of dark coloured urine and
pale stools. She complained of right upper abdominal pain on
and off, nausea and vomiting. On USG, radio opaque shadows
were seen in Right upper quadrant of abdomen.
a) What is the most likely diagnosis?
b) What investigations would be appropriate?
c) What is the etiopathogenesis of this lesion?
d) What are the complications of this disease?

WRITE SHORT NOTES ON:

5X4=20

- 2) Morphological changes in brain in Alzheimer's disease
- 3) Etiopathogenesis and morphology of small cell carcinoma lung
- 4) Morphological features and complications of Ulcerative colitis
- 5) Etiopathogenesis of Viral hepatitis and its complications
- 6) Types and morphology of Renal cell carcinoma

WRITE BRIEFLY ON:

5X2=10

- 7) Types of Gall stones
- 8) Osteosarcoma – its common sites, radiological and microscopic findings
- 9) Microscopic pattern of follicular adenoma Thyroid
- 10) Risk factors of atherosclerosis and its complications
- 11) Causes of prostatic enlargement – write morphology of benign prostatic hyperplasia.

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M.B.B.S. DEGREE EXAMINATION – JULY, 2019

SECOND M.B.B.S. EXAMINATION

FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Give Diagrammatic representation wherever necessary

- 1) Define Medical Negligence. Describe the ingredients of medical negligence. Mention the defenses for doctors in alleged medical negligence cases. 2+4+4=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Dactylography
- 3) Adipocere and Mummification
- 4) Hydrostatic test
- 5) Medical findings in a victim of sodomy
- 6) Plumbism

WRITE BRIEFLY ON:

5X2=10

- 7) Subpoena
- 8) Fabricated injury
- 9) Objectives of medicolegal autopsy
- 10) Hallucination
- 11) Run amok

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2019

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 possible

- 1) Describe the Pathogenicity and lab diagnosis of Pulmonary tuberculosis. Add a note on RNTCP. 3+4+3=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Hot Air Oven
- 3) Bacterial spore
- 4) Lab diagnosis of Enteric Fever
- 5) Auto immunity
- 6) Anaphylaxis

WRITE BRIEFLY ON:

5X2=10

- 7) Enrichment media
- 8) Structure of IgM
- 9) Tyndallization
- 10) Two Non suppurative infections caused by Streptococci
- 11) VDRL Test

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DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2019
SECOND M.B.B.S. EXAMINATION

MICROBIOLOGY

(VIROLOGY, MYCOLOGY & PARASITOLOGY)

PAPER-II

Max. Marks: 40

Time : 2 Hours

Note: Answer all questions.

Give diagrammatic representation wherever possible.

- 1) Classify human fungus infections (Mycoses). Write a detailed note on various types of superficial mycoses.

3+7=10

WRITE SHORT NOTES ON:

5x4=20

- 2) Post exposure Prophylaxis in Rabies
3) Morphology and pathogenesis of Human Immunodeficiency Virus
4) Cultivation of Viruses
5) Life cycle and Pathogenicity of Taenia solium
6) Dimorphic Fungi

WRITE BRIEFLY ON:

5x2=10

- 7) Name two antifungal agents
8) MMR Vaccine
9) Name two Arboviral infections in India and their vectors
10) Morphology of influenza virus
11) NNN medium

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2019

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 actions, uses 3+3+2+2=10
and adverse effects of Atropine.

WRITE SHORT NOTES ON:

5X4=20

- 2) Pharmacogenetics
- 3) Selective Cox-2 Inhibitors
- 4) Calcium Channel Blockers
- 5) Thiazide Diuretics
- 6) Atypical Antipsychotics

WRITE BRIEFLY ON:

5X2=10

- 7) What are the types of Receptors involved in Mechanism of drug action?
- 8) Write any four contraindications for the use of morphine
- 9) Name any two antiplatelet drugs and its mechanism of action
- 10) Mention any 2 nasal decongestants and its side effects
- 11) Mention any 2 oral and parenteral iron preparations and its side effects.

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2019
SECOND M.B.B.S. EXAMINATION

PHARMACOLOGY

PAPER-II

Max. Marks : 40

Time : 2 Hours

Answer all questions

Give diagrammatic representation wherever necessary

- 1) Write the first line and second line anti TB Drugs. Explain the Mechanism of action, uses and adverse effects of Rifampicin. 3+2+2+3=10

5x4=20

WRITE SHORT NOTES ON:

- 2) Tetracycline
- 3) Therapeutic uses of Corticosteroids
- 4) Selective Estrogen Receptor Modulator (SERM)
- 5) Proton Pump Inhibitors
- 6) Common side effects of Anti cancer drugs

5X2=10

WRITE BRIEFLY ON:

- 7) Write any 4 antibiotics contraindicated in pregnancy and its effect on the foetus
- 8) Treatment of H.Pylori Infection
- 9) Mention any 4 drugs used for Hepatitis B virus infection
- 10) Name α -Glucosidase inhibitors and its side effects
- 11) Mention four therapeutic uses of Chloroquine

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2019

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 presented with progressive fatigue and tiredness for last one month. She also complained of tingling and numbness in the lower limbs. On examination she had pallor and her tongue had a glossy appearance. 1+2+5+2=10
- a) What is your diagnosis?
 - b) What is the cause for neurological symptoms in this condition?
 - c) What are the peripheral smear and bone marrow findings in this condition?
 - d) Which specific tests would you like to do to diagnose this condition?

WRITE SHORT NOTES ON:

5X4=20

- 2) Role of Rb gene in tumor suppression
- 3) Lab diagnosis of chronic myeloid leukemia
- 4) Pathogenesis of primary pulmonary tuberculosis
- 5) Morphology of lepromatous leprosy
- 6) Role of vasoactive amines in acute inflammation

WRITE BRIEFLY ON:

5X2=10

- 7) Fate of thrombus
- 8) Morphological changes in apoptosis
- 9) Variants of Reed Sternberg cell
- 10) Principle of Osmotic fragility test
- 11) List four clinical features of Klinefelter Syndrome

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2019
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) An 8 year old boy came with history of puffiness of face with decreased urine output. His urine examination revealed numerous RBCs with mild proteinuria. Renal biopsy was performed which showed glomerular hypercellularity with neutrophils. 1+5+4=10
- What is your diagnosis?
 - Describe the pathogenesis and laboratory findings in this condition.
 - What are the features on immunofluorescence and electron microscopy?

WRITE SHORT NOTES ON:

5X4=20

- Sequence of serologic markers in acute hepatitis B infection
- Light microscopic changes in the evolution of acute myocardial infarction in the first 14 days
- Pathogenesis of cervical carcinoma
- Discuss the different types of emphysema
- Hereditary non-polyposis colorectal cancer

WRITE BRIEFLY ON:

5X2=10

- Four differences between complete and partial mole
- Enlist four major prognostic factors of carcinoma breast
- Pathogenesis of Hashimoto's Thyroiditis
- Microscopic features of basal cell carcinoma
- Barrett Esophagus

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2019

SECOND M.B.B.S. EXAMINATION

FORENSIC MEDICINE

Max. Marks: 40

Time : 2 Hours

Note : Answer all questions

Give Diagrammatic representation wherever necessary

- 1) Classify Organophosphates. Mention the clinical findings in 2+4+4=10
Organophosphorus Poisoning. Describe the treatment of
Organophosphorus poisoning.

5X4=20

WRITE SHORT NOTES ON:

- 2) Doctrine of Res Ipsa Loquitur
- 3) Brainstem death
- 4) Delusion and its medicolegal importance
- 5) Medical Findings in a victim of Rape
- 6) Medical Termination of Pregnancy Act

5X2=10

WRITE BRIEFLY ON:

- 7) Signs and Symptoms of Lead Poisoning
- 8) Café Coronary syndrome
- 9) Superfecundation and Superfetation
- 10) Vicarious Liability
- 11) Negative Autopsy

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2018
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 possible

- 1) List the virulence factors of *Yersinia Pestis*. Describe the pathogenesis of Bubonic Plague. Add a note on the laboratory diagnosis of Plague. 2+3+5=10

WRITE SHORT NOTES ON:

5X4=20

- 2) IFAT (Indirect Immunofluorescent Antibody Test)
- 3) Classify Immunodeficiency diseases
- 4) Type IV Hypersensitivity reaction
- 5) Bacterial Endospore
- 6) Laboratory diagnosis of Streptococcal (Group A) Sore Throat

WRITE BRIEFLY ON:

5X2=10

- 7) Endemic Typhus
 - 8) Selective Media
 - 9) Morphology of *Neisseria Meningitis* (Meningococcus) with diagram
 - 10) Immunoglobulin A
 - 11) Insertion Sequence
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DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2018
SECOND M.B.B.S. EXAMINATION

MICROBIOLOGY

(VIROLOGY, MYCOLOGY & PARASITOLOGY)
PAPER-II

Max. Marks: 40

Time : 2 Hours

Note: Answer all questions.

Give diagrammatic representation wherever possible.

- 1) Describe the morphology and life cycle of Plasmodium vivax. 2+2+4+2=10
Discuss laboratory diagnosis of malaria. What are the complications of malaria?

5x4=20

WRITE SHORT NOTES ON:

- 2) Giardiasis
- 3) Hydatid disease
- 4) Laboratory diagnosis of Hepatitis B
- 5) Cryptococcus neoformans
- 6) Cultivation of viruses

5x2=10

WRITE BRIEFLY ON:

- 7) Slide culture
- 8) Draw and label influenza virus
- 9) Bile stained helminthic ova
- 10) Herpes zoster
- 11) What are Dimorphic fungi? Give two examples.

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2018

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 β blockers. Write their Pharmacological action, therapeutic uses and adverse effects of β blockers. 3+2+3+2=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Transdermal patch
- 3) Pharmacovigilance
- 4) Therapeutic uses of Prostaglandin Analogues
- 5) Potassium Channel Openers
- 6) Propofol

WRITE BRIEFLY ON:

5X2=10

- 7) Mention two examples of Cytochrome P450 induction
 - 8) Mention four SSRI (Selective Serotonin Reuptake Inhibitors)
 - 9) Tramadol
 - 10) Articaine
 - 11) Mannitol
-

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2018
SECOND M.B.B.S. EXAMINATION

PHARMACOLOGY

PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

Give diagrammatic representation wherever necessary

- 1) Mention β Lactam Antibiotics. Classify Cephalosporins. Write 2+3+3+2=10 about therapeutic uses and adverse effects of Cephalosporins.

WRITE SHORT NOTES ON:

5x4=20

- 2) Chelating Agents
- 3) Anti H-Pylori therapy.
- 4) Mucolytics
- 5) Ivermectin
- 6) Adverse effects of statins

WRITE BRIEFLY ON:

5X2=10

- 7) Ritodrine
- 8) Rationale of combination of Estrogen and Progestin as oral contraceptives
- 9) Terbinafine
- 10) Mention any two drugs for Osteoporosis
- 11) Newer Insulin preparations and their advantages

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SECOND M.B.B.S. EXAMINATION

PATHOLOGY

(GENERAL PATHOLOGY & HAEMATOLOGY)

PAPER-I

Max. Marks: 40

Time : 2 Hours

Note : Answer all questions

Draw diagrammatic representation wherever necessary

- 1) A forty year old man presented with history of persistent cough and evening rise of temperature over a period of 4 months, with associated loss of appetite and reduction in weight. Examination revealed matted cervical lymph nodes. An X ray chest done showed a small radiopaque focus in the apex of the upper lobe of right lung.

1+4+3+2=10

- What is your diagnosis?
- Describe in detail the pathogenesis of this disease.
- Describe the microscopic features associated with this lesion.
- Enumerate the complications associated with this condition.

WRITE SHORT NOTES ON:

5X4=20

- Mechanism of wound healing by second intention
- Type II hypersensitivity reaction
- Characteristics of Benign and Malignant neoplasms
- Laboratory investigations in a case of Hereditary spherocytosis
- Pathogenesis of Septic Shock

WRITE BRIEFLY ON:

5X2=10

- List any four types of necrosis with one example for each
- Mention four inflammatory actions of Arachidonic acid metabolites
- List four special stains to demonstrate amyloid
- List four examples for edema due to reduced plasma osmotic pressure
- Laboratory investigations in a case of Idiopathic Thrombocytopenic Purpura (ITP)

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2018

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 65 year old man, a chronic smoker, presented with history of weight loss, low grade fever and difficulty in breathing. He gave history of hemoptysis for last month. X-ray chest showed enlarged Right tracheobronchial lymph nodes. Bronchoscopy revealed a fungating growth in the right bronchus. 1+3+2+4=10
- a) What is the probable diagnosis
 - b) Mention the major types (classification)
 - c) Give the spread of the tumour
 - d) What is paraneoplastic syndrome? Give features of paraneoplastic syndrome.

WRITE SHORT NOTES ON:

5X4=20

- 2) Helicobacter pylori and peptic ulcer
- 3) Morphology of Myocardial Infarction
- 4) Give causes of crescent formation. Give gross and microscopic picture of Rapidly progressive glomerulonephritis
- 5) Post necrotic cirrhosis liver
- 6) Give the microscopic picture, X-ray appearance and spread of osteogenic sarcoma

WRITE BRIEFLY ON:

5X2=10

- 7) Nodular Sclerosing type of Hodgkin disease
- 8) Enumerate pathogenic factors of Carcinoma cervix
- 9) CSF findings in Tuberculous Meningitis
- 10) Name four prognostic factors of breast cancer
- 11) What is the pathogenesis of Dissecting aneurysms?

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M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2018

SECOND M.B.B.S. EXAMINATION

FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Give Diagrammatic representation wherever necessary

- 1) Define and classify drowning. Describe Post Mortem findings in a case of death due to drowning in a swimming pool. $2+3+5=10$

WRITE SHORT NOTES ON:

5X4=20

- 2) Viscera preservation in a case of poisoning
- 3) Entry and exit wound of a rifle bullet
- 4) Differentiate between civil and criminal negligence
- 5) Primary impact injuries
- 6) Informed consent

WRITE BRIEFLY ON:

5X2=10

- 7) Contraindications of gastric lavage
- 8) Kleptomania and Mutilomania
- 9) Magistrate's inquest
- 10) Chop wounds
- 11) Management of strychnine poisoning

II MBBS July-18

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M.B.B.S. DEGREE EXAMINATION – JULY, 2018

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 possible

- 1) List the virulence factors of enterotoxigenic E. Coli (ETEC). 2+3+5=10
Describe the pathogenesis of diarrhoea caused by ETEC. Add a
note on Laboratory diagnosis of Diarrhoea.

WRITE SHORT NOTES ON:

5X4=20

- 2) Complement fixation test
- 3) Natural Killer Cell
- 4) Type III Hypersensitivity Test
- 5) Bacterial Cell Wall
- 6) Laboratory Diagnosis of bacterial dysentery

WRITE BRIEFLY ON:

5X2=10

- 7) Trench Fever
 - 8) Craigie's Tube
 - 9) Morphology of C. Diphtheriae with diagram
 - 10) Helper T cell
 - 11) Transferable Drug Resistance
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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 morphology and life cycle of Ankylostoma Duodenale. 4+4+2=10

Give laboratory diagnosis of Hook Worm Disease.

WRITE SHORT NOTES ON:

5X4=20

- 2) Clinical features and Laboratory diagnosis of Pinworm infection.

- 3) Morphology and life cycle of Leishmania Donovanii

- 4) Candidiasis

- 5) Role of Interferon in Virology

- 6) Rhinosporidiosis

WRITE BRIEFLY ON:

5X2=10

- 7) Enumerate viruses causing cancer

- 8) Differences between Antigenic Drift and Shift

- 9) Diseases caused by Adenoviruses

- 10) Blastomycosis

- 11) Measles vaccine

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M.B.B.S. DEGREE EXAMINATION – JULY, 2018

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) What is pharmacodynamics? Discuss the actions affecting the effects of Drugs. 10

WRITE SHORT NOTES ON:

5X4=20

- 2) Prazosin
- 3) Lignocaine
- 4) Pancuronium
- 5) Treatment of status epilepticus
- 6) Therapeutic uses of ACE Inhibitors

WRITE BRIEFLY ON:

5X2=10

- 7) Mention any two atropine substitutes
- 8) Mention two uses and adverse effects of Phenytoin Sodium
- 9) Mention four Antihypertensive Drugs
- 10) Mention four drugs used in Pre anaesthetic Medications
- 11) Name any two anti depressants

Q.P.CODE:505-B

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8

M.B.B.S. DEGREE EXAMINATION – JULY, 2018

SECOND M.B.B.S. EXAMINATION

PHARMACOLOGY

PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

Give diagrammatic representation wherever necessary

- 1) Classify Penicillins. Write the mechanism of action, 2+2+2+2+2=10
therapeutic uses and adverse effects of Benzyl Penicillin. Add a
note on newer Penicillins.

WRITE SHORT NOTES ON:

5x4=20

- 2) 5- α Reductase Inhibitors
3) Atorvastatin
4) Omeprazole
5) Mucolytics
6) Mechanism of action and adverse effects of Sulphonylureas

WRITE BRIEFLY ON:

5X2=10

- 7) What are tocolytic agents? Give two examples?
8) Mention the uses of D-Penicillamine
9) Mention the uses of ofloxacin
10) Mention the uses of Oxytocin
11) Mention the adverse effects of Low Molecular Weight Heparin

Q.P. CODE:507-A

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION - JULY, 2018
SECOND M.B.B.S. EXAMINATION

PATHOLOGY

(GENERAL PATHOLOGY & HAEMATOLOGY)

PAPER-I

Time : 2 Hours

Max. Marks: 40

Note: Answer all questions

Draw neat diagram wherever necessary

- 1) A 35 year old man admitted with gradual weakness with dragging sensation left side of abdomen. His liver is 2cm and spleen is 15cm enlarged below costal margin. His Hb is 9.3 gm% TLC - 2,50,000/-cumm and Platelet count is 3,80,000/cumm. 1+4+2 ½ +2 ½ =10

- a) What is the probable diagnosis?
- b) Give the blood picture and molecular abnormality in this disease
- c) How will you differentiate it from Leukemoid reaction?
- d) Give five causes of massive splenomegaly.

WRITE SHORT NOTES ON:

5X4=20

- 2) Etiopathogenesis of Septic Shock
- 3) Blood and bone marrow picture in Iron deficiency anemia
- 4) Tabulate differences between lepromatous and tuberculoid leprosy
- 5) Enumerate oncogenic virus. Give pathogenesis of viral carcinogenesis
- 6) Type III hypersensitivity reaction with examples

WRITE BRIEFLY ON:

5X2=10

- 7) Give two tests to diagnose Van Willebrand's disease
- 8) Name four tumors caused by various viruses
- 9) What are the factors affecting healing
- 10) Name two tumors which metastasize to liver and two tumors which metastasize to lungs
- 11) Give four diagnostic tests for Sickle Cell Anemia

Q.P. CODE:507-B

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8

M.B.B.S. DEGREE EXAMINATION - JULY, 2018

SECOND M.B.B.S. EXAMINATION

PATHOLOGY

(SYSTEMIC PATHOLOGY)

PAPER-II

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw neat diagrams wherever necessary

- 1) A 25 year old man is admitted with swelling of the upper end of tibia. X-ray shows a turnover in the metaphyseal area of tibia with evidence of new bone formation. 1+2+3+3=10
- a) What is the probable diagnosis?
 - b) Give the microscopic picture of the turnover with labeled diagram
 - c) Name the organs where it metastasizes
 - d) Classify bone tumors

WRITE SHORT NOTES ON:

5X4=20

- 2) Classify cirrhosis. Give gross and microscopic picture of alcoholic cirrhosis
- 3) Give the complications of bronchiectasis
- 4) What are the sequelae of an atheroma?
- 5) Differentiate between Crohn's disease and Ulcerative Colitis
- 6) Give the clinical and biochemical features of Carcinoid syndrome

WRITE BRIEFLY ON:

5X2=10

- 7) Give four complications of gall stones
- 8) Four Etiopathogenetic factors of urinary bladder cancer
- 9) Draw a labelled diagram of Seminoma testis and what is the route of spread
- 10) Name the thyroid tumors and indicate their route of spread
- 11) Give four microscopic features of Diabetic Kidney

Q.P.CODE:508-A

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

M.B.B.S. DEGREE EXAMINATION – JULY, 2018

SECOND M.B.B.S. EXAMINATION

FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Give Diagrammatic representation wherever necessary

- 1) Define Hanging. Mention the types of hanging. Explain the postmortem changes in a case of hanging. Add a note on Judicial hanging. 1+2+5+2=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Rigor mortis
- 3) Entry and exit wound of a Rifle Bullet
- 4) Hydrostatic test
- 5) Testamentary capacity
- 6) Clinical features of Methanol poisoning

WRITE BRIEFLY ON:

5X2=10

- 7) Superimposition
 - 8) Medicolegal aspects of abrasion
 - 9) Joule burn
 - 10) Whiplash injury
 - 11) Body packers syndrome
-

Q.P.CODE:506-A

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

M.B.B.S. DEGREE EXAMINATION – JULY, 2017

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 possible

- 1) Define and classify Hyper Sensitivity. Describe in detail Anaphylaxis. 2+3+5=10

WRITE SHORT NOTES ON: 5X4=20

- 2) Autoclave
- 3) Lab Diagnosis of Pulmonary Tuberculosis
- 4) Acquired Immunity
- 5) Standard tests for Syphilis
- 6) Virulence and Pathogenicity of Streptococcus Pneumoniae

WRITE BRIEFLY ON: 5X2=10

- 7) Simple Media
- 8) Suppressor T-Cell (Treg Cells)
- 9) Morphology of Clostridium Tetani
- 10) Mention four bacteria causing diarrhoea
- 11) Scrub Typhus

Q.P.CODE:506-B

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

M.B.B.S. DEGREE EXAMINATION – JULY, 2017

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 life cycle of parasite causing bancroftian filariasis. 4+4+2=10
Write briefly the laboratory diagnosis. What are the complications of this infection?

WRITE SHORT NOTES ON:

5X4=20

- 2) Laboratory diagnosis of Amoebic liver abscess
- 3) Structure and modes of transmission of Human Immunodeficiency Virus.
- 4) Laboratory diagnosis of Arboviruses
- 5) Pernicious malaria
- 6) Cryptococcosis

WRITE BRIEFLY ON:

5X2=10

- 7) Intestinal protozoal cysts
- 8) Morphology of Balantidium Coli
- 9) Properties of Rhinoviruses
- 10) Morphological classification of Fungi with examples
- 11) Opportunistic Fungi

II MBBS - July 2017

Q.P.CODE:505-A

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

M.B.B.S. DEGREE EXAMINATION – JULY, 2017

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) Write in brief factors modifying drug action. 10

WRITE SHORT NOTES ON:

5X4=20

- 2) Advantages and disadvantages of nitrous oxide as general anaesthetic
- 3) Mechanism of action and pattern of lipid lowering effect of important hypolipidemic drugs
- 4) Loop Diuretics
- 5) Uses and adverse effects of Digoxin
- 6) Therapeutic uses of Aspirin

WRITE BRIEFLY ON:

5X2=10

- 7) Mention two uses and two adverse effects of Sodium Valproate
- 8) What is drug synergism? Give two examples.
- 9) Role of Nitrates in Cyanide Poisoning.
- 10) Name an Opioid antagonist. Mention its two uses.
- 11) Name four complications of Spinal anaesthesia.

Q.P.CODE:505-B

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – JULY, 2017
SECOND M.B.B.S. EXAMINATION

PHARMACOLOGY

PAPER-II

Max. Marks : 40

Time : 2 Hours

Answer all questions

Give diagrammatic representation wherever necessary

- 1) Enumerate the anti-tubercular drugs. Explain the mechanism of action and adverse effects of any two commonly used drugs. Describe the short course chemotherapy of Tuberculosis. 2+4+4=10

WRITE SHORT NOTES ON:

5x4=20

- 2) Classify the drugs used in the treatment of Diabetes Mellitus.
- 3) Enumerate types of female oral contraceptive pills. Mention the adverse effects of combined pills.
- 4) Bacterial drug resistance - types, mechanism of development and prevention.
- 5) Beta-Lactamase inhibitors available for clinical use (used in therapy).

- 6) Therapeutic uses and contraindications of Radio Active Iodine.

WRITE BRIEFLY ON:

5X2=10

- 7) Mention two Uterine Stimulants and two therapeutic uses of them.
- 8) Mention four Inhalation Steroids used in Bronchial Asthma.
- 9) Mention two parenteral iron preparation and two therapeutic uses of them.
- 10) Mention four drugs used for treatment of Inflammatory Bowel Disease.
- 11) Mention two Antifibrinolytic Drugs and two uses of them.

Q.P. CODE:507-A

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION - JULY, 2017
SECOND M.B.B.S. EXAMINATION

PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Note: Answer all questions

Draw neat diagram wherever necessary

- 1) A 52 year old beggar is admitted with skin patches and nodules on the face. Skin patches are hypoesthetic. Few toes on both feet are amputated partly. 3+3+2+2=10
- a) What is the possible diagnosis? How will you make the diagnosis?
 - b) Classify the disease
 - c) What special stains will you do on the biopsy to make the diagnosis?
 - d) Discuss the mode of transmission of the disease

WRITE SHORT NOTES ON:

5X4=20

- 2) Tabulate the differences between Hemophilia A & von Willebrand disease
- 3) Classify chronic myeloproliferative disorders. Give blood picture and diagnostic tests in a case of chronic myeloid leukemia.
- 4) Tabulate the differences between lymphatic and vascular spread of tumors
- 5) Role of complement in inflammation
- 6) Pathogenesis of Septic Shock

WRITE BRIEFLY ON:

5X2=10

- 7) Mention four examples of antibody mediated type-II Hypersensitivity reaction.
- 8) Mention four Hemoglobinopathies seen in India
- 9) Mention four effects of Radiation
- 10) Classify hemolytic anemias
- 11) Mention four clinical features of acute lymphoblastic leukemia

Q.P. CODE:507-B

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – JULY, 2017
SECOND M.B.B.S. EXAMINATION

PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Draw neat diagrams wherever necessary

- 1) A 59 year old man is admitted with history of chest pain of half hour duration. Pain was in the precordial area with radiation in the left arm pain was severe in nature and was accompanied by vomiting. ECG showed ST segment elevation with T wave inversion. 1+2+3+3=10
- a) What is the most likely diagnosis?
 - b) What biochemical investigations are useful in such a case?
 - c) What complications can occur?
 - d) What are the predisposing factors of this disease?

WRITE SHORT NOTES ON:

5X4=20

- 2) Give the gross and microscopic findings in a case of chronic pyelonephritis
- 3) Pathogenesis of Peptic Ulcer
- 4) Morphology of acute viral hepatitis and its complications
- 5) Classify pneumonia. What are the stages of lobar pneumonia?
- 6) Classify bone tumors. Give X-ray appearance and microscopic picture of giant cell tumor.

WRITE BRIEFLY ON:

5X2=10

- 7) Mention four complications of Bacterial Endocarditis
- 8) Classify Ovarian tumors
- 9) Staging of Hodgkin's disease
- 10) Hashimoto thyroiditis
- 11) Pathogenesis of Dissecting Aneurysms

Q.P.CODE:508-A

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

M.B.B.S. DEGREE EXAMINATION – JULY, 2017

SECOND M.B.B.S. EXAMINATION

FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Give Diagrammatic representation wherever necessary

- 1) Classify abortion. What are the methods used for inducing criminal abortion? Enumerate various complications following criminal abortion. 2+5+3=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Adipocere formation
- 3) Testamentary capacity
- 4) Types of skull fractures
- 5) Signs and symptoms and treatment of organophosphorus poisoning
- 6) Signs and symptoms and treatment of carbon monoxide poisoning

WRITE BRIEFLY ON:

5X2=10

- 7) Dichotomy
- 8) Signs and symptoms of Arsenic Chronic poisoning
- 9) Café coronary
- 10) Malingering
- 11) Hara-Kiri

506-A

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8

M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2017

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 possible

- 1) Describe the pathogenesis and laboratory diagnosis of Cholera. 3+5+2=10
Add a note on its Epidemiology.

WRITE SHORT NOTES ON:

5x4=20

- 2) Role of T cells in immunity
- 3) General features of Antigen antibody reactions
- 4) Laboratory diagnosis of Brucellosis
- 5) Selective media
- 6) Laboratory diagnosis of enteric fever

WRITE BRIEFLY ON:

5x2=10

- 7) HLA typing
- 8) Expand MRSA and state three antibiotics not acting on them
- 9) Helicobacter Pylori
- 10) Bacterial filters
- 11) Prophylaxis of Tetanus

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2017
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY
(VIROLOGY, MYCOLOGY & PARASITOLOGY)
PAPER-II

Time : 2 Hours

Note: Answer all questions.

Max. Marks: 40

Give diagrammatic representation wherever possible.

- 1) Describe the morphology, pathogenesis and laboratory diagnosis of Human Immunodeficiency Virus. Add a note on Opportunistic Infections in AIDS. 2+3+3+2=10

WRITE SHORT NOTES ON:

5x4=20

- 2) Morphology and Pathogenicity of *Entamoeba histolytica*
- 3) Life cycle and Pathogenicity of *Ascaris lumbricoides*
- 4) Pathogenicity and laboratory diagnosis of *Wuchereria bancrofti*
- 5) Arboviral Infections in India
- 6) Candidiasis

WRITE BRIEFLY ON:

5x2=10

- 7) Define Dermatophytes with THREE examples
 - 8) Sporotrichosis – Causative agent, Pathogenesis and clinical features.
 - 9) Antigenic drift and shift
 - 10) Enumerate viruses causing gastroenteritis.
 - 11) Morphology of *Leishmania donovani*
-

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2017
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-I

Time : 2 Hours

Answer all questions

Max. Marks : 40

-
- 1) Define Biotransformation. Describe the different types of Biotransformation reactions with examples.

2+8=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Mechanism of action and adverse effects of paracetamol
- 3) Mention Potassium sparing diuretics and their therapeutic uses
- 4) Mechanism of action and therapeutic uses of Lignocaine
- 5) Therapeutic uses and adverse effect of pethidine
- 6) Drug therapy of organophosphate compound poisoning

WRITE BRIEFLY ON:

5X2=10

- 7) Therapeutic uses of clonidine
- 8) Classify antiarrhythmic drugs and give one example under each class
- 9) Four therapeutic uses of Nitrates
- 10) Mechanism of action and therapeutic uses of tamsulosin
- 11) Two advantages and two disadvantages of Ketamine

505-B

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA – 520 008
M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2017
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Give diagrammatic representation wherever necessary

- 1) Classify cephalosporins. Mention their Therapeutic uses and adverse effects. 3+4+3=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Ondansetron
- 3) Mechanism of action and uses of Mifepristone
- 4) Mucolytics
- 5) Mechanism of action, adverse effects and uses of Zidovudine
- 6) Sitagliptin

WRITE BRIEFLY ON:

5X2=10

- 7) Disadvantages of Radio Active Iodine
- 8) Mention two drugs used for Chloroquine Resistant Malaria
- 9) Mention any two adverse effects of Isonicotinylhydrazine (INH)
- 10) Mention two drug interaction of Warfarin Sodium
- 11) Mention disadvantages of liquid paraffin as laxative

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2017
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Note: Answer all questions

Draw neat diagram wherever necessary

- 1) A 3 year old child is admitted with fever and petechial haemorrhages for 2 weeks. On examination child is pale, no liver/spleen enlargement. Cervical lymph nodes are enlarged. TLC – 50,000/cumm. Peripheral smear shows blast cells. 1+3+3+3=10
- What is the probable diagnosis?
 - What is the bone marrow picture in this disease?
 - Enumerate the various prognostic factors.
 - Tabulate the differences between lymphoblast and myeloblast

WRITE SHORT NOTES ON:

5X4=20

- Role of prostaglandins in acute inflammation.
- Tabulate differences between necrosis and degeneration.
- Blood and bone marrow picture in Folic acid deficiency anemia.
- Klinefelter Syndrome.
- Investigations in a case of Hereditary Spherocytosis.

WRITE BRIEFLY ON:

5X2=10

- Name four tumors caused by various viruses.
- Give four important causes of granulomatous inflammation.
- Four special stains for demonstration of Amyloid.
- Fate of thrombus
- Enumerate four transfusion reactions.

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA – 520 008
M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2017
SECOND M.B.B.S. EXAMINATION

PATHOLOGY
(SYSTEMIC PATHOLOGY)
PAPER-II

Max. Marks: 40

Time : 2 Hours

Note : Answer all questions

Give Diagrammatic representation wherever necessary

- 1) An elderly male presented with history of bleeding per rectum, altered bowel habits, loss of appetite, loss of weight and crampy lower quadrant discomfort in the abdomen. Hematological evaluation revealed Iron deficiency anemia. What is your diagnosis?
a) Discuss the etiopathogenesis of this disease.
b) Describe the morphology of this lesion.
- 1+5+4=10

5X4=20

WRITE SHORT NOTES ON:

- 2) Morphology of liver in Alcoholic Cirrhosis.
- 3) Morphology of osteoclastoma.
- 4) Morphology and complications of atherosclerosis.
- 5) CSF findings in pyogenic meningitis.
- 6) Morphology of seminoma testis.

5X2=10

WRITE BRIEFLY ON:

- 7) List four causes of chronic glomerulonephritis.
 - 8) Mention four complications of myocardial infarction.
 - 9) Name any four causes of Carcinoma Lung.
 - 10) Name four Malignant tumors of Thyroid.
 - 11) Name four Malignant tumors of Salivary glands.
-

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2017
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Note : Answer all questions

Give diagrammatic representation wherever possible

- 1) Define Professional Negligence. Enumerate differences between Criminal Negligence and Civil Negligence. Briefly describe the legal principle "Res Ipsa Loquitur". 2+4+4=10

WRITE SHORT NOTES ON:

5x4=20

- 2) Mummification
- 3) Testamentary capacity of the Insane
- 4) Management of a case of Krait bite
- 5) Brainstem death
- 6) Post mortem findings in a case of wet drowning

WRITE BRIEFLY ON:

5x2=10

- 7) Signs and symptoms of Arsenic Chronic Poisoning
- 8) Tight contact firearm entry wound over the skull
- 9) Magnan's symptoms
- 10) Post mortem appearances in Carbon monoxide poisoning
- 11) Brush burn

506-A

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

M.B.B.S. DEGREE EXAMINATION – JULY, 2016

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 possible

- 1) Define Diphtheria. Discuss the morphology, laboratory diagnosis and prophylaxis of *C. diphtheriae*. 2+3+3+2=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Hot Air Oven
- 3) Blood Agar
- 4) Ziehl Neelsen Staining
- 5) Type I hypersensitivity
- 6) Innate Immunity

WRITE BRIEFLY ON:

5X2=10

- 7) Prophylaxis of Tetanus
 - 8) Transduction
 - 9) Exotoxins
 - 10) Widal Test
 - 11) MMR Vaccine
-

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8

M.B.B.S. DEGREE EXAMINATION – JULY, 2016

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) Classify human fungus infections (Mycoses). Write a detailed note on various types of superficial mycoses. 3+7=10

WRITE SHORT NOTES ON:

5x4=20

- 2) Oncogenic DNA viruses
- 3) Babesiosis
- 4) Opportunistic fungal infections
- 5) Microfilaria
- 6) Hydatid Cyst.

WRITE BRIEFLY ON:

5x2=10

- 7) Slow Viruses
- 8) Mycotic Poisoning
- 9) Hepatitis C Virus
- 10) Name four parasitic infections in immuno-compromised patients
- 11) Interferons

IInd MBBS JULY 16

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION - JULY, 2016
SECOND M.B.B.S. EXAMINATION

505-A

PHARMACOLOGY
PAPER-I

Time : 2 Hours

Note: Answer all questions

Draw diagrammatic representation wherever possible

Max. Marks : 40

- 1) Classify Benzodiazepines. Explain the Pharmacological actions of Benzodiazepines. Mention their advantages over Barbiturates as sedative-hypnotics.

2+4+4=10

WRITE SHORT NOTES ON:

- 2) Pharmacogenetics
- 3) Treatment of organo phosphorus compound poisoning
- 4) Role of Disulfiram in the management of chronic alcoholism
- 5) Mechanism of action of Amiodarone
- 6) Therapeutic uses of Adrenaline

5X4=20

WRITE BRIEFLY ON:

- 7) Define Tachyphylaxis
- 8) Routes of administration of local anaesthetics
- 9) Treatment of Digoxin Toxicity
- 10) Name two high ceiling diuretics
- 11) Pro drug

5X2=10

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – JULY, 2016
SECOND M.B.B.S. EXAMINATION

PHARMACOLOGY

PAPER-II

Time : 2 Hours

Max. Marks : 40

Note: Answer all questions

Draw diagrammatic representation wherever possible.

- 1) Classify Glucocorticoids. Write in brief their pharmacological actions and therapeutic uses. 3+4+3=10

WRITE SHORT NOTES ON:

5x4=20

- 2) Newer Insulin preparations and their advantages.
- 3) Non-systemic antacids
- 4) Antitussives
- 5) Mechanism of action and adverse effects of Isoniazid
- 6) Third generation cephalosporins

WRITE BRIEFLY ON:

5X2=10

- 7) What are tocolytic agents? Give two examples
 - 8) Warfarin sodium – Mechanism of action and its Antagonist.
 - 9) Mention one antidote for Iron poisoning and write its mechanism of action.
 - 10) Four uses of chloroquine
 - 11) Mast cell stabilizers
-

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION - JULY, 2016
SECOND M.B.B.S. EXAMINATION

507-A

PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Note: Answer all questions

Max. Marks: 40

Draw neat diagram wherever necessary

- 1) A 20 year old male presented with swelling of both knees and pain for the past one week. He gives history of similar episodes earlier. He also gives history of excessive bleeding after minor injuries. His maternal uncle has similar complaints and has been treated by repeated blood transfusions following excessive bleeding episodes. 2+4+3+1=10
- a) What are the possible differential diagnoses?
 - b) What are the laboratory investigations required for the diagnosis?
 - c) What is the etiopathogenesis of these disorders?
 - d) How will you make the final specific diagnosis?

WRITE SHORT NOTES ON:

5X4=20

- 2) Differences between benign and malignant tumors.
- 3) Bone marrow picture of megaloblastic anemia
- 4) Systemic thromboembolism
- 5) Leukemoid reaction
- 6) Morphologic changes in Kwashiorkor

WRITE BRIEFLY ON:

5X2=10

- 7) Name four types of necrosis with one example each
- 8) Name four clinical features of trisomy 21
- 9) Name four inherited cancer syndromes
- 10) Name four subtypes of Hodgkin disease
- 11) Give four examples of type II hypersensitivity

507-B

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – JULY, 2016
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 20 year old female presented with a painless slowly growing freely mobile solitary lump in the lower part of her left breast. On examination, the nipple is normal. The lump is not fixed to the overlying skin. No axillary lymph nodes are palpable. 2+4+4=10
- a) What is the provisional diagnosis?
 - b) Discuss various investigations to confirm your final diagnosis
 - c) Describe the gross and microscopic picture of the lesion.

WRITE SHORT NOTES ON:

5X4=20

- 2) Pathogenesis of bronchial asthma
- 3) Morphology of renal cell carcinoma
- 4) Etiology of carcinoma cervix
- 5) Morphology of hepatocellular carcinoma
- 6) CSF changes in meningitis

WRITE BRIEFLY ON:

5X2=10

- 7) Types of gall stones
- 8) Give the names of four malignant ovarian tumours
- 9) Complications of peptic ulcer
- 10) Microscopic appearance of papillary carcinoma of thyroid
- 11) Morphology of basal cell carcinoma

506-A

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008
M.B.B.S. DEGREE EXAMINATION – JANUARY, 2016
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 possible

- 1) Classify the diseases caused by Staph aureus and describe their Lab diagnosis. 3+7=10

WRITE SHORT NOTES ON:

5X4=20

- 2) Laboratory diagnosis of TB meningitis
- 3) Autoimmunity
- 4) Bacterial filters
- 5) Phagocytosis
- 6) Classify Bacteriologic media with examples

WRITE BRIEFLY ON:

5X2=10

- 7) Draw a diagram of Ig G and label its parts
- 8) Pathogenesis and lab diagnosis of Burkholderia Pseudomallei
- 9) High level disinfectants
- 10) Serological test for Rheumatic fever
- 11) Transferable bacterial drug resistance

- - -

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2016

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 life cycle of *P. falciparum* in the Mosquito. 4+4+2=10
Write briefly the laboratory diagnosis. What are the complications of this infection?

WRITE SHORT NOTES ON:

5x4=20

- 2) Laboratory diagnosis of Leishmaniasis
- 3) Structure and modes of transmission of Hepatitis B virus
- 4) Morphology of H1N1 and its laboratory diagnosis
- 5) Larva migrans
- 6) Clinical features and laboratory diagnosis of Pneumocystis

WRITE BRIEFLY ON:

5x2=10

- 7) Trichomoniasis
- 8) Compare HIV 1 and HIV 2
- 9) List two enveloped Viruses
- 10) Identification of Candida
- 11) Draw egg of *H.nana*

IInd MBBS 2016 January

505-A

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – JANUARY, 2016
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-I

Time : 2 Hours

Max. Marks : 40

Answer all questions

- 1) Classify the drugs used in the treatment of hypertension. 3+3+2+2=10
Write the Pharmacological actions, uses and adverse effects
of ACE Inhibitors (Angiotensin Converting Enzyme
Inhibitors).

WRITE SHORT NOTES ON:

5X4=20

- 2) Advantages and disadvantages of Intravenous route.
- 3) SSRIs. (Selective Serotonin Reuptake Inhibitors)
- 4) Pre anaesthetic medication.
- 5) Thiazide diuretics.
- 6) Drugs used in the management of Status Epileptics.

WRITE BRIEFLY ON:

5X2=10

- 7) Redistribution of Drugs.
- 8) Levodopa is not useful in Drug induced Parkinsonism -
Explain briefly.
- 9) What is drug Antagonism? Give one example.
- 10) Pyridostigmine.
- 11) Mention two uses of Mannitol.

505-B

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – JANUARY, 2016
SECOND M.B.B.S. EXAMINATION
PHARMACOLOGY
PAPER-II

Time : 2 Hours

Max. Marks : 40

Answer all questions

- 1) Classify Penicillins. Write the mechanism of action, 3+3+2+2=10
therapeutic uses and adverse effects of Benzyl Penicillin.

WRITE SHORT NOTES ON:

5x4=20

- 2) Mechanism of action and adverse effects of sulfonylureas.
- 3) Plasma expanders.
- 4) Proton Pump Inhibitors (PPIs).
- 5) Theophylline.
- 6) Carbimazole.

WRITE BRIEFLY ON:

5X2=10

- 7) Name two Anabolic steroids.
- 8) Dimercaprol.
- 9) Mention two uterine stimulants with routes of administration.
- 10) Vinca alkaloids.
- 11) Montelukast.

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – JANUARY, 2016
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Note: Answer all questions

Draw neat diagram wherever necessary

- 1) One year old child is admitted with increasing pallor since the age of 2 months. On examination there is pallor and hepatosplenomegaly. Hb – 7.2 gm %; TLC and DLC are within normal limits. Platelets are normal. 1+3+3+3=10
- What is the probable diagnosis?
 - How do you classify the disease group?
 - What is the blood picture in this disease?
 - Give the clinical picture of the disease.

WRITE SHORT NOTES ON:

5X4=20

- Indications for FNAC and its pitfalls.
- Cytochemistry in differentiation of acute leukemias.
- Tabulate differences between benign and malignant tumours.
- Enumerate the chemical carcinogens. Give pathogenesis of chemical carcinogenesis.
- Give the clinical picture and microscopic picture of the lesion in lepromatous leprosy.

WRITE BRIEFLY ON:

5X2=10

- List any four types of necrosis with one example each
- What is the blood picture in Vit.B₁₂ deficiency anemia?
- Enumerate four causes of disseminated intravascular coagulation (DIC).
- What are the special stains for fat?
- Name four autosomal dominant diseases.

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION - JANUARY, 2016
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 68-year old man presented with left sided chest pain of one hour duration. Pain is radiating to the left arm. ECG demonstrated ST segment elevation with T wave inversion. 1+3+4+2=10
- What is the probable diagnosis?
 - Enumerate the tests you will carry out to diagnose.
 - What is the gross and microscopic picture of the lesion?
 - What are its complications?

WRITE SHORT NOTES ON:

5X4=20

- Gastric carcinoma – location, types and metastasis
- Asbestosis
- Kidney lesions in hypertension
- Microscopic types of breast cancer
- Chronic active hepatitis – etiology, microscopic picture and fate

WRITE BRIEFLY ON:

5X2=10

- Microscopic patterns of follicular adenoma thyroid
- What are the pathogenic factors of endometrial cancer?
- Classify gonadal stromal tumours of ovary and give the hormone secreted by each
- What are the four precancerous lesions of large intestine?
- Give the gross and morphologic picture of proliferative glomerulonephritis

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA - 8
M.B.B.S. DEGREE EXAMINATION – JANUARY, 2016
SECOND M.B.B.S. EXAMINATION
FORENSIC MEDICINE

Time : 2 Hours

Max. Marks: 40

Answer all questions

Give diagrammatic representation wherever possible

- 1) Classify mechanical injuries. Describe various types of lacerations and their medico legal importance. 3+4+3=10

WRITE SHORT NOTES ON:

5x4=20

- 2) Adipocere
- 3) Sexual asphyxia
- 4) Signs of live birth
- 5) Signs and symptoms and treatment of organophosphorus poisoning
- 6) Signs and symptoms and treatment of lead chronic poisoning

WRITE BRIEFLY ON:

5x2=10

- 7) Demulcents
- 8) Illusion
- 9) Contributory negligence
- 10) Summons
- 11) Immediate signs of death
