

Total No. of Questions : 12]

[Total No. of Pages : 2

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**[3844]-101
I - M.B.B.S.
ANATOMY
(Paper - I)**

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *Answer any five questions from each section.*
- 2) *Answer of two sections should be written in separate answer books.*
- 3) *Neat well labelled diagrams should be drawn wherever necessary.*
- 4) *Figures to right indicate full marks.*

SECTION - I

- Q1)** Write notes on : **[10]**
- a) Fertilization.
 - b) Wrist drop.
- Q2)** Describe relations, course, branches of axillary artery. **[10]**
- Q3)** Describe hip joint. Add a note on its applied anatomy. **[10]**
- Q4)** Describe Gluteus medius muscle. Add a note on its applied anatomy. **[10]**
- Q5)** Describe origin course, relations and branches of deep peroneal nerve. **[10]**
- Q6)** Write notes on : **[10]**
- a) Eversion and inversion of foot.
 - b) X chromosome.

SECTION - II

- Q7)** Write notes on : **[10]**
- a) Conjoint tendon.
 - b) Germ layers and derivatives.

P.T.O.

Q8) Describe sub phrenic spaces. **[10]**

Q9) Describe arterial supply of small intestine. **[10]**

Q10) Describe internal structure, blood supply and lymphatic drainage of Anal canal. **[10]**

Q11) Describe uterus under following heads : - Position, parts, blood supply, development and supports. **[10]**

Q12) Write notes on : **[10]**

- a) Microscopic structure of liver.
- b) Juxta Glomerular apparatus.

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Total No. of Questions : 8]

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[3844]-202

II - M.B.B.S.

MICROBIOLOGY

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answers to the two sections to be written in separate answer sheets.*
- 3) *Figures to right indicate marks.*
- 4) *Draw diagrams wherever necessary.*

SECTION - I

- Q1)** Draw and describe bacterial cell and its structures. **[15]**
- Q2)** Write short notes on any two : **[10]**
- a) Louis Pasteur.
 - b) Autoclave.
 - c) Enriched media.
- Q3)** Classify Streptococci. Describe the laboratory diagnosis of lobar pneumonia. **[15]**
- Q4)** Write short notes on any two : **[10]**
- a) Coagulase test.
 - b) Mycobacterium leprae.
 - c) Widal test.

SECTION - II

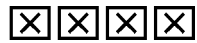
- Q5)** Discuss morphology, life cycle, and pathogenesis and laboratory diagnosis of Entamoeba histolytica. **[15]**
- Q6)** Write short notes on any two : **[10]**
- a) Dermatophytes.
 - b) Candida albicans.
 - c) PBS in malaria.

P.T.O.

Q7) Enumerate antigen antibody reactions. Discuss applications of agglutination reactions. **[15]**

Q8) Write short notes on any two : **[10]**

- a) Innate immunity.
- b) Egg inoculation for viral growth.
- c) Influenza virus.



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Total No. of Questions : 6]

[Total No. of Pages : 2

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[3844]-203

II - M.B.B.S.

PHARMACOLOGY

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answers to the two sections should be written in separate answer books.*
- 3) *Figures to right indicate full marks.*

SECTION - I

Q1) a) Describe pharmacotherapy of typhoid fever. **[6]**

b) Write briefly on any three of the following : **[12]**

- i) Primaquine.
- ii) Uses of streptomycin.
- iii) Azithromycin.
- iv) Adverse effects of penicillin G.

Q2) Write short notes on the following : **[16]**

- a) Enzyme inhibition.
- b) Prodrug.
- c) Proton pump inhibitors.
- d) Ticlopidine.

Q3) Write short notes on the following : **[16]**

- a) Sublingual route of drug administration.
- b) Mucolytics.
- c) Methadone.
- d) Succinyl choline.

P.T.O.

SECTION - II

- Q4)** a) Describe pharmacotherapy of Parkinsonism. [6]
b) Write briefly on any three of the following : [12]
i) Buspirone.
ii) Flumazenil.
iii) Diazepam.
iv) Lignocaine hydrochloride.
- Q5)** Write short notes on the following : [16]
a) Ipratropium bromide.
b) Neostigmine.
c) Atenolol.
d) Pressor agents.
- Q6)** Write short notes on the following : [16]
a) Somatostatin.
b) Bisphosphonates.
c) Sulfonylureas.
d) Adverse effects of prednisolone.

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Total No. of Questions : 8]

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[3844]-204

II - M.B.B.S.

FORENSIC MEDICINE AND TOXICOLOGY

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

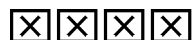
- 1) *All questions are compulsory.*
- 2) *Draw neat and labelled diagram wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Use separate answer sheet for both sections.*

SECTION - I

- Q1)** Discuss classification of drowning. Mention postmortem signs in a case of typical Drowning. **[10]**
- Q2)** Describe postmortem signs, treatment and medicolegal aspects of Dhatura poisoning. **[10]**
- Q3)** Discuss Estimation of Time of Death. **[10]**
- Q4)** Write short notes : **[20]**
- a) Carbolurea.
 - b) Traumatic Asphyxia.
 - c) Phossy Jaw.
 - d) Adipocere.

SECTION - II

- Q5)** Discuss Grievous Hurt. **[10]**
- Q6)** Describe un-natural sexual offences. **[10]**
- Q7)** Describe establishment and functions of Medical council of India. **[10]**
- Q8)** Write short notes : **[20]**
- a) Res Ipsa Loquitur.
 - b) Punch Drunk.
 - c) Hallucinosiis.
 - d) Viability.



Total No. of Questions : 6]

[Total No. of Pages : 2

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**[3844]-301
III - M.B.B.S.
MEDICINE
(Paper - I)**

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answers to the two sections should be written in separate books.*
- 3) *Figures to the right indicate full marks.*

SECTION - I

- Q1)** Describe etiology, clinical features, investigations and complications of Aortic Regurgitation. **[15]**
- Q2)** Write notes on : **[20]**
- a) Sickle Cell Anaemia.
 - b) Pneumothorax.
- Q3)** Write notes on any three : **[15]**
- a) Primary Syphillis.
 - b) Calcium Channel Blockers.
 - c) Myxoedema.
 - d) Lepra Reaction.
 - e) DOT Therapy.

SECTION - II

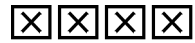
- Q4)** Describe etiology, clinical features, investigations, complications and management of Tubercular Meningitis. **[15]**
- Q5)** Write notes on : **[20]**
- a) Oral Antidiabetic Drugs.
 - b) Nephrotic Syndrome.

P.T.O.

Q6) Write short notes on any three :

[15]

- a) Electroconvulsive Therapy.
- b) Gout.
- c) Neurological Complications of HIV Infection.
- d) Treatment of Rheumatoid Arthritis.
- e) Generalised Lymphadenopathy.



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Total No. of Questions : 6]

[Total No. of Pages : 1

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[3844]-302

III - M.B.B.S.

MEDICINE & PAEDIATRICS

(Paper - II)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answers to the two sections should be written in separate books.*
- 3) *Figures to the right indicate full marks.*

SECTION - I

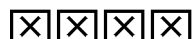
(MEDICINE)

- Q1)** Discuss etiology, clinical features, investigations and treatment of Ascites?[15]
- Q2)** Describe etiology, clinical features, complications and diagnosis of malaria. Write in short on treatment of cerebral malaria. [15]
- Q3)** Write notes on : [20]
- a) Tetanus.
 - b) Hydatid disease.
- Q4)** Write short notes on (any two) : [10]
- a) Edema.
 - b) Osteoporosis.
 - c) Acid-peptic disease.

SECTION - II

(PAEDIATRICS)

- Q5)** a) Discuss management of fever with skin rash in a 3 year old child. [10]
b) Discuss differential diagnosis of hematuria in a 6 year old child. Outline investigations and management in such a child. [10]
- Q6)** Write short notes on : [20]
- a) Measles Vaccine.
 - b) Weaning.
 - c) Management of jaundice in a newborn.
 - d) Clinical features of vitamin A deficiency.



Total No. of Questions : 5]

[Total No. of Pages : 1

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[3844]-305

III - M.B.B.S.

OBSTETRICS AND GYNAECOLOGY

(Paper - II)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *All questions carry equal marks.*

- Q1)** How will you investigate and manage a case of female infertility with tubal blocks?
- Q2)** Enumerate causes for carcinoma cervix. Discuss the management a case of carcinoma cervix stage II B.
- Q3)** Write short notes on (any two) :
 - a) Red degeneration.
 - b) Progesterones in gynaecology.
 - c) Pessary.
 - d) Copper T.
- Q4)** Write short notes on (any two) :
 - a) Primary dysmonorrhoea.
 - b) Dermoid cyst.
 - c) Laparoscopic sterilisation-advantages and disadvantages.
 - d) Candidiasis.
- Q5)** Enumerate the causes of pelvic inflammatory disease and discuss the clinical presentation and management of acute pelvic inflammatory disease?

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Total No. of Questions : 6]

[Total No. of Pages : 2

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[3844]-306

III - M.B.B.S.

PREVENTIVE AND SOCIAL MEDICINE

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answers to the two sections should be written in separate answer books.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Figures to the right indicate full marks.*

SECTION - I

- Q1)** a) What is meant by “Safe and Wholesome Water”? Describe in brief the principles and methods of chlorination in the treatment of water. **[8]**
- b) Write short notes on (any two) : **[6]**
- i) Soakage pit.
 - ii) Sanitary well.
 - iii) Overcrowding.
- Q2)** a) Describe the main highlights or reproductive and child health programme. **[8]**
- b) Write short notes on (any two) : **[6]**
- i) Integrated counseling and testing centres.
 - ii) Cold chain.
 - iii) Terminal Disinfection.
- Q3)** a) Define Epidemiology. Describe the uses of Epidemiology. **[8]**
- b) Write short notes on (any two) : **[6]**
- i) Sources of vital statistics.
 - ii) Sampling Methods.
 - iii) Quarantine.
- c) Write short notes on (any two) : **[8]**
- i) Bias.
 - ii) Population pyramid.
 - iii) Double blind trial.

P.T.O.

SECTION - II

- Q4)** a) Mention the disease transmitted by Houseflies. Describe the various measures of control of Houseflies. [8]
- b) Write short notes on (any two) : [6]
- i) Risk factors in Coronary Heart Disease.
 - ii) Extrinsic Incubation Period.
 - iii) Blocked Flea.
- Q5)** a) Describe briefly the epidemiology of Protein Energy Malnutrition. [8]
- b) Write short notes on (any two) : [6]
- i) Under 5 Clinic.
 - ii) Target couple.
 - iii) Health problems of the aged.
- Q6)** a) Describe briefly the types of Occupational hazards to which an industrial worker is exposed. [8]
- b) Write short notes on (any two) : [6]
- i) World Health Day.
 - ii) Barriers in communication.
 - iii) Tertiary prevention.
- c) Write short notes on (any two) : [8]
- i) Signs of poor mental health.
 - ii) Ergonomics.
 - iii) UNICEF.



Total No. of Questions : 3]

[Total No. of Pages : 1

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[3844]-308

III - M.B.B.S.

OPHTHALMOLOGY

Time : 2 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) Figures to the right indicate full marks.*
- 2) All questions are compulsory.*
- 3) Draw neat diagrams wherever necessary.*
- 4) Write prescriptions where indicated and in the use of drug dose should be given.*

Q1) Describe in details clinical features and management of fungal corneal ulcer. **[16]**

Q2) Write briefly on : **[16]**

- a) Signs and Symptoms of acute Iridocyclitis.
- b) Merits and demerits of intraocular lenses.

Q3) Write short notes on (any three) : **[18]**

- a) Ciprofloxacin.
- b) Aphakia.
- c) Diabetic retinopathy.
- d) Ptosis.
- e) Phlycten.

