



RAN-3716

Second Year M.B.B.S. (Set No. - I) Examination

July - 2020

Forensic Medicine and Toxicology

Time: 2 Hours]

[Total Marks: 40

सूचना : / Instructions

नीचे दृष्टविले निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:
Second Year M.B.B.S. (Set No. - I)

Name of the Subject :
Forensic Medicine and Toxicology

Subject Code No.: **3 7 1 6**

Seat No.:

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Student's Signature

Section - 1

1. Enumerate changes seen in the body after death. Describe Decomposition in detail.
2. Write short notes. (any 2)
 - a. Conduct money
 - b. Dangerous injury
 - c. Postmortem finding on the neck in case of typical hanging.
3. Answer in one or two lines -
 - a. Incest
 - b. Rule of nine
 - c. Whiplash injury
 - d. Still born child
 - e. Feature of antimortem burn
 - f. Froth seen in case of drowning
 - g. Sudden death
 - h. Complication of criminal abortion

(2+4) = 8

(2×3) = 6

(8×1) = 8

Pathology
CDR. C. I. Talwar
Assoc. Prof.
FMT

Pathology
CDR. C. I. Talwar
Assoc. Prof.
FMT

Section - 2

4. Describe signs, symptoms and management of Ethyl alcohol poisoning.
(2+2+2) = 6

5. Write short notes. (any 2)

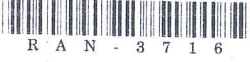
- a. Chemical antidote
- b. Professional misconduct
- c. Phossy jaw

(2×3) = 6

6. Answer in one or two lines -

- a. Vitriolage
- b. Plumbism
- c. Cattle poisons
- d. Carboluria
- e. Drug dependence
- f. Delusion
- g. Sui poison
- h. Viper bite

(8×1) = 8



RAN-3716

Second Year M.B.B.S. (Set No. - I) Examination

July - 2020

Forensic Medicine and Toxicology

Time: 2 Hours]

[Total Marks: 40

सूचना : / Instructions

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Name of the Examination:

Second Year M.B.B.S. (Set No. - I)

Name of the Subject :

Forensic Medicine and Toxicology

Subject Code No.: 3 7 1 6

Seat No.:

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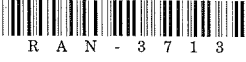
Student's Signature

Section - 1

1. Enumerate changes seen in the body after death. Describe Decomposition in detail. (2+4) = 8
2. Write short notes. (any 2)
 - a. Conduct money
 - b. Dangerous injury
 - c. Postmortem finding on the neck in case of typical hanging. (2×3) = 6
3. Answer in one or two lines -
 - a. Incest
 - b. Rule of nine
 - c. Whiplash injury
 - d. Still born child
 - e. Feature of antimortem burn
 - f. Froth seen in case of drowning
 - g. Sudden death
 - h. Complication of criminal abortion

Section - 2

4. Describe signs, symptoms and management of Ethyl alcohol poisoning.
 $(2+2+2) = 6$
5. Write short notes. (any 2)
- a. Chemical antidote
 - b. Professional misconduct
 - c. Phosy jaw $(2 \times 3) = 6$
6. Answer in one or two lines -
- a. Vitriolage
 - b. Plumbism
 - c. Cattle poisons
 - d. Carboluria
 - e. Drug dependence
 - f. Delusion
 - g. Sui poison
 - h. Viper bite $(8 \times 1) = 8$
-



RAN-3713

Second Year M.B.B.S. Examination

July - 2020

Microbiology : Paper - II

(Systemic Bacteriology, Virology and Mycology)

Time: 2 Hours]

[Total Marks: 40

सूचना : / Instructions

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Second Year M.B.B.S.

Name of the Subject :

Microbiology : Paper - II (Systemic Bacteriology, Virology and Mycology)

Subject Code No.: 3 7 1 3

Seat No.:

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Student's Signature

Section - I

Q.1. Write notes on:

1. A 15 year old girl, was admitted to hospital with complaint of headache, abdominal discomfort for the last 5 years. She had developed fever which is remittent type with gradual rise in a step ladder fashion. On examination, she had temperature of 101 °F, tongue was coated and mild splenomegaly was present. **08**
 - a) What is the most probable etiological diagnosis.
 - b) Write briefly about pathogenesis of causative organism.
 - c) Write in detailed about sample collection and laboratory diagnosis of causative organism

OR

1. Enumerate the bacteria causing Sexually Transmitted Diseases. Describe pathogenesis, clinical features and laboratory diagnosis of Syphilis. **08**

Q.2. Write short notes on : (Any Three)

12

- a) Cell culture techniques.
- b) Methicillin Resistant Staphylococcus Aureus (MRSA).
- c) Dermatophytes.
- d) Weil's disease.

Section - II

Q.3. Write notes on : (Any Two)

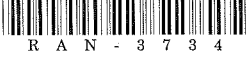
10

- a) Opportunistic fungal infection.
- b) Laboratory diagnosis of Tuberculosis.
- c) Structure of HIV virus and laboratory diagnosis of HIV.

Q.4 Write in short : (1-2 Sentences)

10

- a) Mode of transmission of Hepatitis B virus.
- b) Scarlet fever.
- c) Morphology of Gonococci.
- d) Significant Bacteruria.
- e) Name two bacteria causing food poisoning.
- f) Example of two dimorphic fungi.
- g) Name two Oncogenic viruses.
- h) Name two DNA viruses.
- i) Negri bodies.
- j) Enumerate four Arbovirus prevalent in India.



RAN-3734

Third Year M.B.B.S. (Part - II) Examination

July - 2020

Obstetrics & Gynecology

Gynaecology & Family Planning

Time: 2 Hours]

[Total Marks: 40

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Third Year M.B.B.S. (Part - II)

Name of the Subject :

Obstetrics & Gynecology : Gynaecology & Family Planning

Subject Code No.: 3 7 3 4

Seat No.:

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Student's Signature

SECTION - I

Q -1: Write short notes on:

2*5=10

- (A) Diagnosis & medical treatment of endometriosis
- (B) Screening of cervical cancer

Q-2 : Write short notes on:

2*5=10

- (A) Candidial vaginitis
- (B) USG in Gynecology

Q.2. Write short notes on : (Any Three)

12

- a) Cell culture techniques.
- b) Methicillin Resistant Staphylococcus Aureus (MRSA).
- c) Dermatophytes.
- d) Weil's disease.

Section - II

Q.3. Write notes on : (Any Two)

10

- a) Opportunistic fungal infection.
- b) Laboratory diagnosis of Tuberculosis.
- c) Structure of HIV virus and laboratory diagnosis of HIV.

Q.4 Write in short : (1-2 Sentences)

10

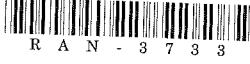
- a) Mode of transmission of Hepatitis B virus.
- b) Scarlet fever.
- c) Morphology of Gonococci.
- d) Significant Bacteruria.
- e) Name two bacteria causing food poisoning.
- f) Example of two dimorphic fungi.
- g) Name two Oncogenic viruses.
- h) Name two DNA viruses.
- i) Negri bodies.
- j) Enumerate four Arbovirus prevalent in India.

SECTION - II

Q-3: Write brief answers on the following ten questions:

10*2=20

- A. Draw figure of "Sites of pelvic endometriosis"
 - B. Enumerate the causes of secondary dysmenorrhea
 - C. Enumerate DD of lump in lower abdomen in 35 years lady
 - D. Supports of uterus
 - E. Puberty menorrhagia
 - F. Non contraceptive uses of combined oral pills
 - G. Advantages & Dis advantages of laparoscopic tubal ligation
 - H. IUI
 - I. Diagnosis of acute PID
 - J. Causes of post menopausal bleeding
-



RAN-3733

Third Year M.B.B.S. (Part - II) Examination

July - 2020

Obstetrics & Gynecology

Obstetrics & Diseases of New Born

Time: 2 Hours]

[Total Marks: 40

सूचना : / Instructions

(1)

नीचे दृष्टविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:
Third Year M.B.B.S. (Part - II)

Name of the Subject :
Obstetrics & Gynecology : Obstetrics & Diseases of New Born

Subject Code No.: 3 7 3 3

Seat No.:

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Student's Signature

SECTION - I

Q-1: Write short notes on:

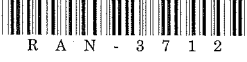
2*5=10

- (A) Diagnosis & treatment of Post Partum sepsis
(B) Investigation & Treatment of 34 weeks pregnancy with Hb. 7 gm%

Q-2: Write short notes on:

2*5=10

- (A) DD of placenta previa & abruptio placenta
(B) Prostaglandins in Obstetrics



RAN-3712

Second Year M.B.B.S. Examination

July - 2020

Microbiology : Paper - I

(General Microbiology, Immunology and Parasitology)

Time: 2 Hours]

[Total Marks: 40

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:
Second Year M.B.B.S.

Name of the Subject :
Microbiology : Paper - I (General Microbiology, Immunology and Parasitology)

Subject Code No.: 3 7 1 2

Seat No.:

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Student's Signature

Section - I

Q.1. Write notes on:

1. Describe morphology, life cycle pathogenesis & Laboratory Diagnosis of **08**
Ascaris Lumbricoides.

OR

1. Define Sterilization. Describe in detail about principle and uses of **08**
Autoclave.

Q.2. Write short notes on: (Any Three)

12

- a) Real Time PCR.
b) Difference between Amoebic dysentery and Bacillary dysentery.
c) Bacterial Growth Curve.
d) Laboratory diagnosis of Kala Azar.

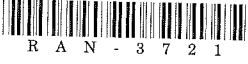
Section - II

Q.3. Write notes on : (Any Two) 10

- a) Laboratory diagnosis of Malaria.
- b) Bacterial Plasmid.
- c) Sterilization by Radiation.

Q.4 Write in short: (1-2 Sentences) 10

- a) Use of Dark ground Microscopy.
 - b) Chemical structure of cell wall.
 - c) Heterotroph.
 - d) Use of Enrichment medium.
 - e) Instrument useful for Anaerobiosis.
 - f) Urease test and its importance.
 - g) Eggs of Necator Americans.
 - h) Define Antigen.
 - i) Define Nosocomial infection.
 - j) Name two parasite found in hepatobilliary tract.
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RAN-3721

Final M.B.B.S. (Part - I) Examination

July - 2020

Ophthalmology

Time: 2 Hours]

[Total Marks: 40

सूचना : / Instructions

(1)

नीचे दशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Final M.B.B.S. (Part - I)

Name of the Subject :

Ophthalmology

Subject Code No.:

3 7 2 1

Seat No.:

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Student's Signature

(2) All questions are compulsory.

SECTION - I

Q.1 Write Clinical features of fungal Corneal Ulcers & Write complications of Corneal Ulcers. **(5 + 5)**

Q.2 Answer any 5 in short: **10**

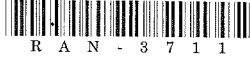
- 1 What is keratic precipitates write type.
- 2 Uses of Stem cell in Ophthalmology
- 3 Timolol.
- 4 Classification of Vitamin A Deficiency.
- 5 Signs of VKC.
- 6 Duochrome Test.

SECTION - II

Q.1 Write Different types of Macular Function Tests. Write Treatment of clinically Significant Macular Oedema (CSME) (5 + 5)

Q.2 Answer any 5 in short: 10

- 1 Causes of Optic Neuritis.
- 2 Classification of Amblyopia.
- 3 Hearing's Law.
- 4 Indications of Keratoplasty.
- 5 Advantages of ^{Topical} Anaesthesia in Cataract Surgery
- 6 Treatment of Acute Dacryocystitis.



RAN-3711

S. Y. M.B.B.S. Examination

July - 2020

Pathology : Paper - II (Set - II)

Time: 2 Hours]

[Total Marks: 40

सूचना : / Instructions

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

S. Y. M.B.B.S.

Name of the Subject :

Pathology : Paper - II (Set - II)

Subject Code No.:

3

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1

Seat No.:

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Student's Signature

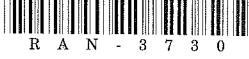
1. Figures on the right indicate full marks.
2. Draw illustrated diagrams wherever necessary.
3. Write legibly.

SECTION - I

- 1) **Answer to the point. (Any 5 out of 6)** **(05)**
 - a. Normal value of blood urea and S. creatinine.
 - b. Write two indication of bone marrow trephine biopsy.
 - c. Name four surface epithelial tumours of ovary.
 - d. Enumerate four different types of emphysema.
 - e. Linitis plastica
 - f. Four most common causes of eosinophilia.
- 2) **Answer in short. (Any 3 out of 4)** **(15)**
 - a. Autopsy findings in case died of AIDS.
 - b. Classification of breast tumours. Describe about fibroadenoma of breast.
 - c. Define and classify anaemia. Write laboratory diagnosis of iron deficiency anaemia.
 - d. Nephrotic syndrome.

SECTION -II

- 3) **Answer in short. (Any 2 out of 3)** (10)
- a. Rheumatic heart disease
 - b. Viral hepatitis
 - c. Malabsorption syndrome
- 4) **Answer in short. (Any 2 out of 3)** (10)
- a. Define leukaemia. Write FAB classification of Acute Myeloid Leukaemia.
 - b. Diffuse alveolar damage.
 - c. Pathogenesis and complications of diabetes mellitus.
-



RAN-3730

Third Year M.B.B.S. (Part-II) Examination

July - 2020

General Medicine Paper - II

Time: 2.30 Hours]

[Total Marks: 60

सूचना : / Instructions

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Third Year M.B.B.S. (Part-II)

Name of the Subject :

General Medicine Paper - II

Subject Code No.: 3 7 3 0

Seat No.:

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Student's Signature

- (2) Answers should be brief and to the point.
- (3) Each section should be written in separate answer-books.
- (4) Draw diagrams & flow charts wherever necessary.

SECTION - I

1. Write Short Notes (any 3 out of 4):

12m

1. Diagnosis and management of Diabetic neuropathy.
2. Clinical features and management of superior sagittal sinus thrombosis.
3. Etio-pathogenesis, clinical features and management of Hepatitis E Hepatitis.
4. Clinical features, diagnosis and management of ulcerative colitis.

2. **Answer in brief (Any 5 out of 6):** 10m
1. Define Transient Ischemic Attack and its investigations.
 2. Diagnosis of enteric fever.
 3. Scorpion bite.
 4. Glasgow coma score.
 5. X linked recessive diseases.
 6. Acute complications of diabetes mellitus.

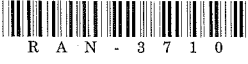
3. **Answer in one-two sentences/words/fill in the blanks:** 8m
1. Define chorea and causes of chorea.
 2. What type of Gait is found in proximal myopathy?
 3. Genetic defect in Down syndrome
 4. Treatment of Trigeminal neuralgia.
 5. Drugs used for treatment of Systemic Lupus Erythematosus.
 6. Lesion of Optic Chiasma will lead to _____ hemianopia.
 7. Antiviral drugs used for treating HCV positive patients
 8. Drugs used in organophosphorus poisoning.

SECTION II

1. **Write Short Notes (any 2 out of 3):** 10m
1. Clinical features and treatment of acne.
 2. Write different type of STDs and its diagnosis.
 3. Cutaneous manifestations in HIV infected patients.

2. **Write Short Notes (any 2 out of 3):** 10m
1. Conversion disorder.
 2. Nicotine dependence and its management.
 3. Clinical features and treatment of schizophrenia.

3. **Write Short Notes (any 2 out of 3):** 10m
1. Clinical features, diagnosis and management Lung Abscess.
 2. Side effects of First line anti TB drugs and its management.
 3. Discuss HIV-TB coinfection.



RAN-3710

S. Y. M.B.B.S. Examination

July - 2020

Pathology : Paper - I (Set - III)

Time: 2 Hours]

[Total Marks: 40

सूचना : / Instructions

नीचे दृशविवेक निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

S. Y. M.B.B.S.

Name of the Subject :

Pathology : Paper - I (Set - III)

Subject Code No.: 3 7 1 0

Seat No.:

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Student's Signature

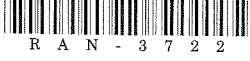
1. Figure on right indicates full marks.
2. Draw illustrative diagrams wherever necessary.
3. Write legibly.

SECTION - I

- 1) **Answer to the point. (any 5 out of 6)** (05)
 - a) Define Oliguria.
 - b) Give two examples of Red infarct.
 - c) Give two examples of dystrophic calcification.
 - d) Mention two angiogenesis factors.
 - e) Use of Frozen sections.
 - f) Labile cells.
- 2) **Answer in Short. (any 3 out of 4)** (15)
 - a) Describe Healing of wound by First intention (Primary union).
 - b) Describe various types of Necrosis with illustrated diagrams.
 - c) Preservation of Blood Components.
 - d) Mechanism of generation of Oxygen derived free radicals.

SECTION - II

- 3) Answer in Short. (any 2 out of 3) (10)**
- a) Role of platelets in thrombogenesis.
 - b) Pathogenesis of Renal Edema
 - c) Decompression sickness (Caisson's disease)
- 4) Answer in Short. (any 2 out of 3) (10)**
- a) RNA Viral Oncogenesis
 - b) Describe types of Translocation with one example of each.
 - c) Morphology of Sago Spleen and Lardaceous Spleen.
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RAN-3722

Third MBBS (Phase-I) Theory Examination

July - 2020

Oto Rhinology (ENT)

Time: 2 Hours]

[Total Marks: 40

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Third MBBS (Phase-I) Theory

Name of the Subject :

Oto Rhinology (ENT)

Subject Code No.: 3 7 2 2

Seat No.:

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Student's Signature

- (2) Q-1 in each section is **compulsory**.
- (3) Attempt **any two** from Q-2, 3, 4.
- (4) Write each section in separate answer sheets.

SECTION - A

**Q-1 Answer each of the following questions in 20-25 words
(One mark each):**

[10]

1. Define Radical neck dissection
2. What is Ringertz tumour?
3. What is Saddle Nose?
4. Write blood Supply of Pinna
5. Define Type 3 Tympanoplasty
6. Write four differential diagnosis of midline neck swelling
7. What is Singer's nodule?
8. Write functions of Eustachian tube?
9. What is Presbycusis?
10. What is Hitselberger's sign?

Q-2: Write clinical features and management of Atrophic Rhinitis [5]

Q-3 Short Notes: [5]

1. Anatomy of Nasal septum
2. Rinnetest

Q-4 Short Notes: [5]

1. Safe otitis media
2. Etiology and management of Ethmoidal polyposis

SECTION - B

Q-1 Answer each of the following questions in 20-25 words (One mark each): [10]

1. Write four clinical features of Plummer Vinson Syndrome
2. What is Tympanosclerosis?
3. What is Dysphonia Plica Ventricularis?
4. Name various types of objective audiometry.
5. Write four clinical features of juvenile nasopharyngeal angiofibroma
6. What is Frey's Syndrome?
7. What is Ranula?
8. Define Myringoplasty
9. Write four causes of unilateral nasal obstruction
10. What is Erythroplakia?

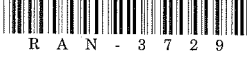
Q-2: Write physiology of swallowing and causes of Dysphagia [5]

Q-3 Short Notes: [5]

1. Anatomy of Pinna
2. Rehabilitation of speech after total laryngectomy

Q-4 Short Notes: [5]

1. Ludwig's Angina
2. Common Cold



RAN-3729

Third Year M.B.B.S. (Part - II) Examination

July - 2020

General Medicine : Paper - I

Time: 2:30 Hours]

[Total Marks: 60

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

Third Year M.B.B.S. (Part - II)

Name of the Subject :

General Medicine : Paper - I

Subject Code No.: 3 7 2 9

Seat No.:

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Student's Signature

- 1) Answers should be brief and to the point.
- 2) Each section should be written in separate answer-books.
- 3) Draw diagrams and flow charts wherever necessary.

SECTION - I

1. **Write short notes: (Any 3 out of 4)** **12m**
 1. Clinical features, diagnosis and management of Aortic Stenosis.
 2. Define Hypertension. How will you evaluate and manage a case of Hypertension?
 3. Clinical features, diagnosis and management of Pulmonary Embolism.
 4. Clinical features, Diagnosis and Management of Right side Large Pneumothorax.
2. **Answer in brief: (Any 5 out of 6)** **10m**
 1. Write down complications of pneumonia..
 2. Treatment of acute attack of Asthma.
 3. Clinical features of Sickle cell crisis
 4. Differentiating points between Stable Angina and Unstable Angina.
 5. Light's criteria for Pleural effusion.
 6. Pathophysiological changes in Bronchial wall in COPD with a diagram.

3. Answer in one-two sentences/ words/ fill in the blanks:

8m

1. Drugs used for treatment of Leptospirosis.
2. Four respiratory causes of clubbing.
3. Two common organism in Hospital acquired pneumonia.
4. Classic Peripheral Signs of Subacute Bacterial Endocarditis.
5. What is bagassosis?
6. What is Morbid Obesity?
7. Contraindications for Thrombolysis therapy.
8. Two cardinal symptoms of Mitral stenosis.

SECTION - II

4. Write Short Notes: (any 3 out of 4)

12m

1. Causes, diagnosis and treatment of Deep Vein Thrombosis.
2. Clinical features of Acute Blood Transfusion reactions and its management.
3. Diagnosis and management of Type-2 Diabetes Mellitus.
4. Clinical features and management of malaria according to WHO guidelines..

5. Answer in brief: (Any 5 out of 6):

10m

1. Diagnosis of dengue fever.
2. Neuromuscular signs and symptoms in Thyrotoxicosis.
3. Side effects of long term Steroid therapy.
4. Clinical features and diagnosis of Enteric fever.
5. Draw and label endocrine axis of Cortisol hormone.
6. Diagnosis and treatment of Amoebic liver abcess.

6. Answer in one-two sentences/ words/ fill in the blanks

8m

1. Alteration in T3, T4 and TSH in hyperthyroidism.
2. Two causes of Microcytic anemia.
3. Four features of Niacin deficiency.
4. Two clinical features of Hyponatremia.
5. Name two antibiotics to treat Atypical Pneumonia.
6. What is "Holiday Heart Syndrome".
7. Define Hypoglycaemia and enumerate Drugs used to treat Hypoglycaemia.
8. Enumerate side effects of NNRTI group of Antiretroviral drugs.



RAN-3724

Third M.B.B.S. (Phase-I) (Part - I) Examination

July - 2020

Community Medicine (PSM)

Paper - II

Time: 2.30 Hours]

[Total Marks: 60

सूचना : / Instructions

(1)

नीचे दशावेल निशानीवाणी विगतो उत्तश्चही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Third M.B.B.S. (Phase-I) (Part - I)

Name of the Subject :

Community Medicine (PSM) Paper - II

Subject Code No.: 3 7 2 4

Seat No.:

					4
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Student's Signature

- (2) All questions are compulsory
(3) Please answer each section in two separate answer sheets

Section - I

Q.1. Very short questions:

10 X 1 = 10

- What is acculturation?
- What is Net Protein Utilization (NPU)?
- What is day light factor?
- Enumerate dietary sources of Iron.
- Write 3 criteria for diagnosis of Severe Acute Malnutrition (SAM) Child.
- What is ABER and its importance?
- Write full form of UNICEF
- Define Bio-Medical Waste?
- What is rooming - in?
- Define Low Birth Weight (LBW).

Q.2. Describe the epidemiology and control measures for dengue syndrome. 10

Q.3. **Short questions** 5 X 2 = 10

- a) Write on importance of pre placement examination in occupational health.
- b) Write on exclusive breast feeding.
- c) Write on common causes of maternal mortality in India.
- d) Write on balance diet
- e) Write on WHO criteria for diagnosis of Rheumatic Fever and Rheumatic Heart Disease (RHD).

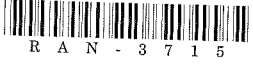
Section - II

Q.4. **Short questions** 5 X 3 = 15

- a) What are the risk factors for cancer of breast?
- b) Write down on syndromic approach.
- c) Write down on drug dependence.
- d) Write down on emergency contraceptive methods.
- e) Write down on doctor patient relationship.

Q.5. **Write short notes on:** 5 X 3 = 15

- a) Write on autosomal recessive disorders.
- b) Write on Nikshay Poshan Yojana.
- c) Draw a network analysis schematic diagram illustrating starting of MRI and CT scan services in a multispecialty hospital.
- d) Write on health problems of the aged person.
- e) Write on "End game strategy" for poliomyelitis.



RAN-3715

Second Year M.B.B.S. Examination

July - 2020

Pharmacology : Paper - II

Time: 2 Hours]

[Total Marks: 40

सूचना : / Instructions

नीचे दृष्टवित निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.

Fill up strictly the details of signs on your answer book

Name of the Examination:

Second Year M.B.B.S.

Name of the Subject :

Pharmacology : Paper - II

Subject Code No.:

3

7

1

5

Seat No.:

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Student's Signature

Section - I

Q.1. Answer very briefly :

10

- What is the rationale of using disulfiram in alcohol de-addiction programme?
- Explain why Penicillin G is lethal to bacterial cell but non toxic to human cells.
- Describe the difference between antiseptic and disinfectant. Give one example of each.
- Why is the duration of action of thiopentone sodium very short?
- What is superinfection? Name one drug that can cause superinfection.
- Which is the adverse effect of phenytoin that helps in adjusting its dose?
- Give two reasons for using propranolol in thyrotoxicosis.
- What is Mazzoti reaction? How is it managed?
- Justify : Imipenem is combined with cilastatin for its use in clinical practice.
- Mention advantages of liposomal amphotericin B.

Q.2. Answer any four :

08

- a) Write the mechanism of action and side effects of ergotamine in migraine.
- b) Enumerate the advantages of human insulin over regular insulin.
- c) Give reason why despite a having a short half life; aminoglycosides are effective for long duration.
- d) Explain the pharmacological basis of using morphine in acute LHF.
- e) Explain the term 'additive effect' and 'supraadditive effect' in relation to combination of antimicrobials (AMA) giving suitable examples for each.

Section - II

Q.3. Answer any four of the following :

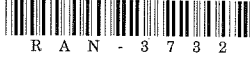
12

- a) Describe the drug therapy of hepatic amoebiasis.
- b) Describe how tricyclic antidepressants are beneficial in a case of depression. How does fluoxetine differ from tricyclic antidepressants in this respect.
- c) Write a short note on the management of diabetic ketoacidosis.
- d) Briefly describe HAART in relation to HIV infection.
- e) Describe the mechanism of action, advantages and disadvantages of use of radioactive iodine in hyperthyroidism.

Q.4. Answer any two of the following :

10

- a) Describe the therapeutic uses of glucocorticoids. Mention the adverse effects of prednisolone when used for long term therapy.
- b) Describe the pharmacotherapy of Parkinsonism.
- c) Describe the drug therapy of P- falciparum malaria.



RAN-3732

Third Year M.B.B.S. (Part II) Examination

July - 2020

Surgery: Paper II

Time: 3 Hours]

[Total Marks: 60

सूचना : / Instructions

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Third Year M.B.B.S. (Part II)

Name of the Subject :

Surgery: Paper II

Subject Code No.: 3 7 3 2

Seat No.:

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Student's Signature

SECTION - I

1. **Write short notes: (any two)** 10
- Enumerate causes of neonatal intestinal obstruction. Discuss diagnosis and management of Hirschsprung disease.
 - Describe diagnosis and management of liver injury due to blunt abdominal trauma.
 - What is hypersplenism? Discuss diagnosis and management of tropical splenomegaly.
2. **Write short notes: (any three)** 12
- Obstructed inguinal hernia
 - Mesenteric cyst
 - Sub diaphragmatic abscess
 - Differential diagnosis of right iliac fossa pain.

3. **Write short notes: (any four)** 08
- a) Blumer's shelf
 - b) Courvoisier's law
 - c) Fistula in ano
 - d) Hematochezia
 - e) Release sign

SECTION - II

4. **Write short notes: (any two)** 10
- a) Discuss diagnosis and management of P-U (Pelviureteric) Junction obstruction.
 - b) Discuss diagnosis and management of Benign Prostatic Hyperplasia (BPH)
 - c) What is ectopic testes? Discuss etiopathology and diagnosis of epididymo-orchitis
5. **Write short notes: (any three)** 12
- a) Retrograde urethrography (RGU)
 - b) Tunica Vaginalis Hydrocele (TVH)
 - c) Phimosis
 - d) Urinary tract infection
6. **Write short notes: (any four)** 08
- a) Non-scalpel vasectomy (NSV)
 - b) Double J stent (D-J stent)
 - c) Thimble bladder
 - d) Ureteric colic
 - e) Penile warts



RAN-3723

Third M.B.B.S. (Phase-I) (Part -I) Examination

July - 2020

Community Medicine (PSM)

Paper - I

Time: 2.30 Hours]

[Total Marks: 60

सूचना : / Instructions

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लपवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:
Third M.B.B.S. (Phase-I) (Part -I)

Name of the Subject :
Community Medicine (PSM) Paper - I

Subject Code No.: 3 7 2 3

Seat No.:

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Student's Signature

- (2) All questions are compulsory
(3) Please answer each section in two separate answer sheets

Q.1. Very short questions:

10 X 1 = 10

- Define incubation period.
- What is Secondary Attack Rate (SAR)?
- What are the extra domestic sources of air pollution?
- Which process is said to be the "heart" of a control trail?
- Define cold chain.
- How many true positive persons can be detected by a screening test having sensitivity of 80% when applied on 900 confirmed disease individual for dengue?
- Enumerate two job responsibilities of Accredited Social Health Activist (ASHA) Worker
- What is sewage?
- What is target couple?
- What is meaning of measures of central tendency.

Q.2. Describe cohort study in detail. **10**

Q.3. Short questions **5 X 2 = 10**

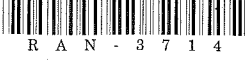
- a) What is disaster preparedness?
- b) What is dependency ratio?
- c) What is nosocomial infection and give examples of it.
- d) Write complete names of four national programmes related to non-communicable diseases.
- e) Explain difference between incidence and prevalence

Q.4. Short questions **5 X 3 = 15**

- a) Write difference between monitoring and evaluation.
- b) Write down on herd immunity
- c) What is primordial prevention? Explain with examples.
- d) Write the different categories, type of bag /container used, types of waste and treatment and disposal option of biomedical waste.
- e) Write on fertility related indicators.

Q.5. Write short notes on: **5X3 = 15**

- a) Epidemiological Triad
- b) Census
- c) Write breeding place of house fly, mode of transmission of disease, disease transmitted by housefly and housefly control measures
- d) Write down on uses of epidemiology
- e) Write down on effect of radiation on health.



RAN-3714

Second Year M.B.B.S. Examination

July - 2020

Pharmacology : Paper - I

Time: 2 Hours]

[Total Marks: 40

सूचना : / Instructions

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Second Year M.B.B.S.

Name of the Subject :

Pharmacology : Paper - I

Subject Code No.: 3 7 1 4

Seat No.:

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Student's Signature

Section - I

Q.1. Answer very briefly :

10

- What is Therapeutic Index? Give two examples of a drug with low therapeutic index.
- What is the difference between 'side effect' of a drug and 'toxicity' of a drug? Explain giving an example.
- How does pH of urine affect elimination of a drug in urine?
- Explain with reasons whether warfarin can be used for initiation of treatment of deep vein thrombosis.
- Why is Mannitol contraindicated in pulmonary edema?
- Why is codeine not recommended for the symptomatic treatment of productive cough?
- Why is the subcutaneous route not preferred for administration of adrenaline in anaphylactic shock? Which route is preferred?
- Give two examples of drugs that can be administered as transdermal patches.

- i) Name the acute reaction with metoclopramide. How is it managed?
- j) Although aspirin has a short half life; it is given once a day for its antiplatelet effect. Give justification for the same.

Q.2. Answer any four :

08

- a) . What is paradoxical tachycardia produced by quinidine? How can it be prevented?
- b) Enumerate two advantages & two disadvantages of second generation antihistaminics over first generation antihistaminics.
- c) Enumerate parenteral iron preparations. Mention the indications for parenteral iron therapy.
- d) Which drugs are used in triple drug therapy in case of relapse of duodenal ulcer? What is the rationale of using three drugs?
- e) Mention two drugs which should not be withdrawn abruptly, giving reasons for the same.

Section - II

Q.3. Answer any four of the following :

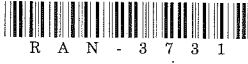
12

- a) Describe the treatment of acute congestive cardiac failure.
- b) Enumerate Low molecular weight heparins. What are their advantages and disadvantages?
- c) Describe with preferred agent, the clinical uses of prostaglandin analogues.
- d) Describe the management of organophosphate poisoning.
- e) Classify diuretics. Mention the uses and adverse effects of furosamide.

Q.4. Answer any two of the following :

10

- a) Enumerate five antihypertensives from different groups. Describe the mechanism and side effects of each drug that you have mentioned.
- b) Enumerate various β - blockers. Describe their uses giving the pharmacological basis for each use you mention.
- c) Enumerate various drugs from different categories used for the treatment of bronchial asthma. Describe their mechanism of action, preferred route of administration and side effects.



RAN-3731

Third Year M.B.B.S. (Part 2) Examination

July - 2020

General Surgery Paper I

Time: 3 Hours]

[Total Marks: 60

सूचना : / Instructions

(1)

नीचे दृष्टविले निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:
☛

Name of the Subject :
☛

Subject Code No.:

Seat No.:

SECTION - I

1. **Write short notes: (any two)** 10
- a) Classify goiter. Discuss diagnosis and management of Grave's disease.
b) What is ANDI (Aberration in Normal Development and Involution of the breast)? Write differential diagnosis and management of mastalgia.
c) Discuss etiopathology, diagnosis and management of varicose veins.
2. **Write short notes: (any three)** 12
- a) Pneumothorax
b) Electrical burns
c) Gas gangrene
d) Spinal anaesthesia

3. **Write short notes: (any four)**

08

- a) Incision and drainage
- b) Marjolin's ulcer
- c) Transfusion-related acute lung injury (TRALI)
- d) Subdural hematoma

SECTION II

I. Write short notes: [any 2]

(10 marks)

1. Describe the clinical features, investigations and pharmacologic management of Gout.
2. Classify Intertrochanteric fractures of femur. Describe the various modalities of treatment available for managing Intertrochanteric fractures in the elderly and its complications.
3. Describe the clinical features, investigations and management of Tuberculosis of Dorso-lumbar spine.

II. Write short notes: [any 3]

(12 marks)

1. Ilizarov ring fixator
2. Ponseti's method of management of clubfoot
3. Classification of ankle injuries
4. Management of primary Osteoarthritis of knee

III. Write short notes: [any 4]

(08 marks)

1. Involucrum
2. Phantom pain
3. Straight Leg Raising test
4. Torticollis
5. Greenstick fracture