

Department of Pharmacology
Grant government Medical College and Sir J.J. group of Hosp, Mumbai
Phase II MBBS (CBME Batch)

2nd Terminal Examination - Pharmacology

Date: 17/03/2025

Time: 3 hours

Marks: 100

SECTION-B

Q2. SHORT ANSWER QUESTIONS (Compulsory)

(7 Marks)

- a) Pharmacotherapy of Migraine

Q3. SHORT ANSWER QUESTIONS (Any 3 out of 4)

(3X7=21 Marks)

- a) Drugs used in erectile dysfunction.
- b) Compare and contrast Benzodiazepines and barbiturates.
- c) Write management of Severe acute asthma.
- d) Write a note on Antiplatelet drugs.

Q4. STRUCTURED LONG ANSWER QUESTION (COMPULSORY) (12 Marks)

- a) Classify Antiepileptic Drugs. Describe the Mechanism of action, ADRs, and Therapeutic uses of Phenytoin.

Q5. SHORT ANSWER QUESTIONS (Any 4 out of 5)

(4x7=28 Marks)

- a) Describe various uses of SSRI with examples.
- b) Classify Local Anaesthetics. Describe uses of lignocaine.
- c) Classify Hypolipidaemic drugs with their side effect and uses.
- d) Write a note on Hormonal Contraception.
- e) Describe the various regimens used for H.Pylori treatment.

Q6. . STRUCTURED LONG ANSWER QUESTION (COMPULSORY)(12 Marks)

Classify Antithyroid drugs. Describe Mechanism of action, ADRs and therapeutic uses of Propylthiouracil. Write management of thyroid storm.

DEPARTMENT OF PATHOLOGY
GRANT GOVERNMENT MEDICAL COLLEGE AND SIR JJ GROUP OF HOSPITALS
MUMBAI- 400008

2nd MBBS 2nd term Internal examination

DATE- 18/03/2025

TOTAL MARKS :100
TIME: 2-5 PM

INSTRUCTIONS

- 1) USE BLUE/ BLACK BALL POINT PEN ONLY.
- 2) DO NOT WRITE ANYTHING ON THE BLANK PORTION OF THE QUESTION PAPER. IF WRITTEN ANYTHING SUCH TYPE OF ACT WILL BE CONSIDERED AS AN ATTEMPT TO UNFAIR MEANS.
- 3) ALL QUESTIONS ARE COMPULSORY
- 4) THE NUMBER TO THE RIGHT INDICATES FULL MARKS.
- 5) DRAW DIAGRAMS WHENEVER NECESSARY.
- 6) DISTRIBUTION OF SYLLABUS IN QUESTION PAPER IS ONLY MEANT TO COVER ENTIRE SYLLABUS WITHIN STIPULATED FRAME.
- 7) USE COMMON ANSWER BOOK FOR ALL SECTIONS.

SECTION B & C

TOTAL MARKS=80

2. Short answer (Any 4 out of 5)

(7x4=28)

- A. Difference between Crohn disease and Ulcerative colitis.
- B. Define aneurysm and write in brief on abdominal aortic aneurysm
- C. Write a brief note on Bronchiectasis
- D. Write short note on Megaloblastic anemia
- E. Describe life cycle of malaria and give its hematological manifestations.

3. Long answer questions (structured)

(12x1=12)

- a) Define cirrhosis. (2 marks)
- b) Classify cirrhosis. (3 marks)
- c) Discuss pathogenesis of cirrhosis. (3 marks)
- d) Describe gross and microscopic features of alcoholic cirrhosis. (4 marks)

P.T.O

4. Short answer (Any 4 out of 5)

(7×4=28)

- A. Write short note on blood transfusion reaction
- B. Classify and describe Hodgkin's lymphoma.
- C. Write short note on Pleomorphic adenoma
- D. Write short note on morphology of chronic myeloid leukemia
- E. Chronic gastritis.

5. Long answer questions (Scenario based)

(12×1=12)

27 year old female complaints of recurrent history of epistaxis (nasal bleeding) which was insidious in onset and menorrhagia. Also she has developed bruises on her arms and legs after mild trauma and scratching. No significant history of major surgery or major trauma. On examination petechial hemorrhages and bruises on her arms are noted. On complete blood count : Decreased Hemoglobin (8 gm/dl) and platelets are reduced (80000/cmm)

- a. What is probable diagnosis (2 marks)
- b. Write classification and discuss its pathophysiology (4 marks)
- c. Write causes of thrombocytopenia (2 marks)
- d. Discuss in brief about its Laboratory diagnosis. (4 marks)

(RS-5x-A)

Department of Microbiology
GGMC and Sir JJ Group of Hospitals, Mumbai-08
II MBBS – II Terminal Theory Examination
Subject: Microbiology

Date: 19/03/2025

Total Marks: 100

Time: 2.00 PM to 5.00 PM

Duration: 3 Hrs (Section A - 30 Min, Section B - 2Hrs 30 Min)

Instructions:

1. Draw well labelled diagrams wherever necessary

Section B

(80 Marks)

Q2. Short answer questions (Answer any 4 out of 5)

(4x7=28)

- a. Describe viral markers of hepatitis B infection
- b. Write a note on pulmonary aspergillosis
- c. Write in detail laboratory diagnosis of enteric fever
- d. Write a note on non-suppurative complications following *S. pyogenes* pharyngitis
- e. Difference between bacillary dysentery and amoebic dysentery

Q 3. Structured long answer question (Compulsory)

(1x12 =12)

37-Year-old male presented to the OPD with complains of low-grade fever, productive cough, chest pain, fatigue and weight loss for 3 weeks. On examination respiratory rate was increased. What is the provisional diagnosis of the above case?

- a. What is the probable diagnosis and causative agent of this case. 2
- b. Describe laboratory diagnosis in detail 6
- c. Write a short note on the drug resistance 4

Q 4. Short answer questions (Answer any 4 out of 5)

(4x7=28)

- Describe methods of anaerobiosis.
- Write differences between antigenic drift and antigenic shift of Influenza virus
- Classify human herpesviruses. Write the differences between Herpes Simplex Virus 1 (HSV-1) and Herpes Simplex Virus 2 (HSV-2)
- What is typical pneumonia? Mention causative agents of the same.
Describe laboratory diagnosis of pneumococcal pneumonia
- Enumerate intestinal nematodes. Draw well labelled diagrams of the eggs of the following nematodes.
 - Hookworm
 - Pinworm
 - Whipworm

Q 5. Structured long answer question (Compulsory)

(1x12 =12)

A 12-year child presented to the OPD with a history of sudden onset of painless watery stools since 24 hrs. Fever was absent. Child also complained of fatigue and decreased weight. Physician advised to send stool sample for culture. On gross examination stool sample was slightly cloudy and watery with mucus flakes, not associated with blood or pus cells and had inoffensive odor. What is the provisional diagnosis of the above case?

- What is the probable diagnosis and causative agent of this case. 2
- Describe the pathogenesis. 4
- Explain the laboratory diagnosis. 6

Date: 20.3.2025

Question 2. Short Answer Questions (write any 4 out of 5, 7 X 4= 28 marks)

1. Enlist any three social goals of housing (3 marks). Define criteria of healthful housing (2 marks). Explain any four housing standards (2 marks)
2. Write classification related to modes of transmission of disease (3marks). Write in brief about any two ways of direct transmission (2 marks)and any two ways of indirect transmission (2 marks)
3. Define epidemic (2 marks). Write in brief about steps of investigation of epidemic (5 marks)
4. There is increase in Malaria cases in a locality, what measures should be taken to reduce adult mosquitoes? (3 marks) Also describe in brief about antilarval measures(3 marks). As a public health professional, will you recommend integrated control for the same? Write justification to the answer (1 mark)
5. Write difference between sewage and sullage. (1 mark) Draw a flow diagram of modern sewage treatment plant.(3 marks). Write in brief about any three methods of sewage disposal commonly used in our country.(3 marks)

Question 3. Long Answer Question (1x 12= 12 marks)

- 3.a. Define Research (2 marks)
- 3.b Describe types of research (8 marks)
- 3.c Write in brief about research priorities in India (2 marks)

Question 4. Short Answer Questions (write any 4 out of 5, 7X 4= 28 marks)

1. Define noise. (1mark) Enumerate any two non-auditory and auditory effects of noise exposure. (2 marks). Write in brief about control of noise. (4 marks)
2. Enumerate any two objectives of Swacchh Bharat Mission Gramin (2 marks). Write in brief about mission component.(3 marks) Write in brief about clean toilet campaign -2024.(2 marks)

3. Define data .(1 mark) Enumerate types of data with examples.(3 marks) . Explain uses of data. (3 marks)
4. Define biomedical waste. (1mark). Write any three health hazards of the same. (3 marks). Enumerate waste collected in yellow, white and blue bags.(3 marks)
5. Define Source and reservoir of infection. (2 mark) Write in brief about types of reservoir along with their examples.(5 marks)

Question 5. Long answer question (1x 12= 12 marks)

- 5a . Give classification of water related diseases (2 marks)
- 5b. Write in brief about methods of water purification on household scale (4 marks)
- 5c. Describe drinking water quality recommended by World Health Organization. (4 marks)
- 5c. Write in brief about bacteriological surveillance of drinking water quality. (2 marks)

Time – 2PM-4PM

Date – 21/03/25
Section A – MCQs: 10 marks
Section B and C – 40 Marks
Total – 50 marks

Section B

Short answer questions (Solve any 4 out of 5)

4 x 5 = 20

- Police have arrested an accused in alleged case of robbery, accordingly describe different techniques of finger printing to be taken for the purpose of identification and evidence. Define and classify finger printing. Enumerate the conditions wherein fingerprint patterns are impaired. (2+2+1)
- A 26 years old female married for 4 years with the history of physical and mental harassment from her husband and in-laws. Police found her dead body in burnt condition and taken to hospital for autopsy. Describe in detail the type of inquest to be conducted, enumerate other cases where this type of inquest is conducted and write about autopsy protocol in such cases. (2+1+2)
- Define death, mode of death and manner of death. Describe brain stem death and its medicolegal importance. (3+2)
- A dead body of 4 years old girl with alleged history of sexual assault with physical injuries over body brought for the autopsy. Describe the procedure of various samples to be collected, & preserved in this case. What precautions are to be taken while handing over and transportation of samples? (3+2)
- A 28 year male was brutally beaten by 4 people with lathi, knife, bricks, fist, and kick over the dispute of land, describe various injuries sustained by victim. Define and classify mechanical injuries. (3+2)

Section C

Long answer questions (Solve any 2 out of 3)

2 x 10 = 20

- A 35 years old male found dead lying on floor of his office with nylon rope tied around neck with fixed knots at the nape of neck. Describe type of violent asphyxial death, post mortem features, and various samples to be preserved in this case. Write the difference between hanging and strangulation. (6+4)
- Define decomposition. Describe the stages and mechanism of decomposition. Discuss the different components for estimation of post mortem interval. Add a note on modified decomposition. (2+3+3+2)
- Discuss different types of Autopsies. Enumerate aims and objectives of medicolegal autopsy. Describe the procedure of medicolegal autopsy. Discuss in detail about viscera preservation in cases of suspected poisoning. (2+3+3+2)