



SHEIKH BHIKHARI MEDICAL COLLEGE & HOSPITAL, HAZARIBAG, JHARKHAND

(Formerly called as- HAZARIBAGH MEDICAL COLLEGE, HAZARIBAG)

PH. No. 06546-296629 & 06546-299923/ website : www.hazaribagmedicalcollege.org/

E-mail Id : hazaribagmedicalcollege@gmail.com/sheikhbhikharimedicalcollege@gmail.com



Letter no.: 1415

From,

Principal,
Sheikh Bhikhari Medical College,
Hazaribag.

To,

Director (UGMEB),
National Medical Commission,
New Delhi.

Hazaribag, Date 04/12/2025

Sub:- Regarding Video recording of 2nd Professional MBBS 2025(I) examination along with completed SAF-C.

Ref.- No. U-14021/01/2024-UGMEB Dated 6th February, 2024 & Dated 9th - February, 2024.

Sir,

With respect to above subject & reference, I hereby sending the Video recording of 2nd Professional MBBS 2025(I) examination along with completed SAF-C of Sheikh Bhikhari Medical College, Hazaribag (Formerly called as – Hazaribagh Medical College, Hazaribag).

Enclosure - As above

Thanking you

Yours faithfully

Sud
04/12/25
Principal,
Sheikh Bhikhari Medical College,
Hazaribag.
DB
4/12/25

NATIONAL MEDICAL COMMISSION**STANDARD ASSESSMENT FORM****FORM – C**File No: **MIC/146** / Assessment No.: **01**Dated :- **04/12/2025**

Name of Course : Second phase MBBS

Name of Subject : Microbiology

Name of College : Sheikh Bhikhari Medical College and Hospital (formerly called as Hazaribag Medical College and Hospital) Hazaribag

Name of University : Vinoba Bhave University, Hazaribag

Place of examination : Sheikh Bhikhari Medical College and Hospital, Hazaribag

Date/s of examination : 02/12/2025 to 04/12/2025

1. ASSESSORS

Sl.	Name	Official address	Mobile No.	email address
1	Dr (Prof.) Ramkrishna Mahato	Professor, Department of Microbiology, SBMC, Hazaribag	7739738443	dr.rkmahato@gmail.com
2	Dr. (Prof.) RAKESH KUMAR	PROFESSOR, NMCH, SASARAM, BIHAR	9340818827	drrkumar08@gmail.com
3	Dr. OM PRAKASH BHARATI	ASSOCIATE PROFESSOR, LCMC, PALAMU	8789975598	drbharati2001@gmail.com
4	Dr. VIKAS ORAON	ASSIST. PROFESSOR, PJMC, DUMKA, JHARKHAND	7903909084	vikasoraon786@gmail.com

Assessment order/letter number:

- Letter No. U-14021/01/2024-UGMEB, Government of India, Public Notice dated 06/02/24 & 09.02.2024 by Director UGMEB

Ramkrishna Mahato
4.12.25
(Chairman cum Assessor)

4/12/25

4/12/25

1 *Rakesh Kumar*
4.12.25

2. REPORT OF PREVIOUS ASSESSMENT

Deficiencies pointed out in the last Assessment/ if any	Remarks
NIL	

A. Scheme of Examination Marks allotted Minimum passing marks

1. Theory:

Final examination	:	200	100
Internal assessment	:	100	50
Total for Theory	:	300	150

2. Clinical/practical:

Final examination	:	80	40
Internal assessment	:	80	40
Total for Practical	:	160	80

3. Viva-voce: (Included with the practical marks)

Final examination	:	20	10
Internal assessment	:	20	10
Total for Viva-voce	:	40	20

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Ranbir Singh Mahato
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4/12/25Ranbir Singh
4/12/25

It is mandatory to get minimum 40 % marks separately in theory and practical and in total minimum 50% for passing.

Grand Total :	300	150
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B. Theory (Attach 1 copy of each of the papers)

Conducted by: Vinoba Bhave University, Hazaribag, Jharkhand

Theory paper:	Subject:	Time: ___ Hrs.	Date of exam:
No. 1:	Microbiology I	01 pm to 04 pm: 3 Hours	14/11/2025
No. 2:	Microbiology II	01 pm to 04 pm: 3 Hours	17/11/2025

1. Place of conduct of exam. : Vinoba Bhave University, Hazaribag
2. Invigilation arrangements : Under control of university
3. No. of candidates appeared : 99

C. Remarks by the Assessor/s regarding:

- a) Nature of the questions—MCQs/SAQs/Structured Essay type/Long answers
- b) Type of Questions – Recall based/Application based/Problem based
- c) Standard of questions - level of difficulty: Easy / Moderate / Difficult: **Moderate**
- d) Do they broadly cover the prescribed curriculum? **YES**
- e) Standard of the answers: (On a scale of 10 where 0 = Very poor and 10 = Outstanding)
Answer sheets evaluation is done by university.
- f) Internal assessment marks (to be reviewed by the assessors) that have contributed to final examination: **Yes reviewed & found as per NMC curriculum.**
- g) Method/pattern of examination of internal examinations conducted during the course of training/study (to be clearly stated): **As per CBME curriculum of NMC.**
- h) Have the Internal assessment marks influenced the final examination? **No, as per CBME guide line**

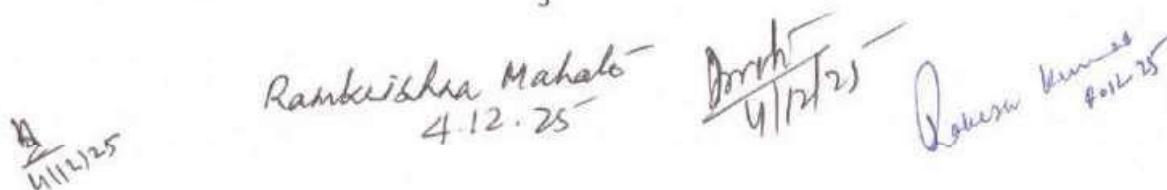
II. PRACTICAL / CLINICAL EXAMINATION:

PRACTICAL

- a) Conduct of the practical examination (provide details including OSCE).

OSPE - 6 stations, Practical - Gram's staining, Stool microscopy, Z-N staining.

Viva- Voce including demonstration of hand hygiene and biomedical waste management and PPE.



 A 4/11/25 *Ramkeshwar Mahato* 4/12/25 *Dorukh* 4/12/25 *Qureshi* 4/12/25

b) Does the practical examination broadly cover the discipline? YES

c) Time allotted for different sections of the examination (Provide details).

- OSPE – 1 hour 30 minutes, 3 minutes per OSPE.
- Practical: 3 experiments- 60 minutes allotted for each exercise
- Viva- Voce- 10 Minutes allotted for each student

d) Details of examiners: (please attach brief cv of the examiners).

Note: Provide this information in a sealed envelope marked confidential:

Details Enclosed in a sealed envelope along with brief CV of each examiner

	Names	Qualification	Designation	Years of Experience as UG Teacher / Examiner
Internal examiners	Dr Ramkrishna Mahato	MD (Microbiology)	Professor & H.O.D , Dept. of Microbiology, SBMCH Hazaribag	20 Year
External examiners	Dr. (Prof.) RAKESH KUMAR	MD (Microbiology)	PROFESSOR, NMCH, SASARAM, BIHAR	08 years
	Dr. OM PRAKASH BHARATI	MD (Microbiology)	ASSOCIATE PROFESSOR, LCMC, PALAMU	05 years
	Dr. VIKAS ORAON	MD (Microbiology)	ASSIST. PROFESSOR, PJMC, DUMKA, JHARKHAND	06 years

e) Mode of practical examination: In batches or otherwise and number of students per day (Provide details): **In 3 batches (A to C) of 31-35 (including absentees) students each, 1 batch examined per day**

f) Are there other examination centers in the same University: **Yes/No**

- If yes, provide details.

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Ramkrishna Mahato
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g) Do the same examiners conduct the examination in other centers too? **No**

- If not, what steps are taken to ensure uniformity of standards? Are meetings of the examiners being conducted and guidelines are given by the University)

Yes, University guidelines are being followed by all the Examiners

h) Date of Examination in different centers - **NA**

i) Date and time when the examination was inspected by the assessors
02/12/2025 to 04/12/2025 daily from 9 AM to 5 PM

j) Are the invigilation arrangements satisfactory? **Yes**

k) No. of candidates appeared. **99**

l) Number and type of practical exercises allotted to candidates (enclose copy of questions/tasks): **Copy of Practical question Paper enclosed**

m) The standard displayed (On a scale of 10 where 0 = Very poor and 10 = Outstanding)-
08

n) Minimum marks required for passing: **Already provided**

PRACTICAL

1. No of Long cases: **Not Applicable**
2. No of Short cases: **Not Applicable**
3. How many cases were given to each candidate – long and short cases? **Not Applicable**
4. Type of cases given (attach list of long and short cases) **Not Applicable**
5. Average time for (long cases and short cases) for each Candidate. **Not Applicable**
 - a. Time for examining the patient
 - b. Time for discussion fixed time or changed as per the answers of the candidate.
6. How was the assessment done? **Practical /log book, OSPE, Viva-voce**
7. Standard displayed by candidates in general in the clinical part of the examination. (On a scale of 10 where 0 = Very poor and 10 = Outstanding) **08**
8. Nature of Discussion of case by the candidate – level of difficulty of questions (On a scale of 10 where 0 = Very easy and 10 = very difficult) **07**
 - a. Number & type of questions (a copy of the question asked by the examiners may be attached) **Recall based clinically oriented skill assessment**
 - b. Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question? **Yes**

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Ramkrishna Mahato
4.12.25

Dr. R. K. Mahato
4/12/25
Ranu Mahato
4.12.25

- c. Was the discussion fair, searching and sufficient for the assessment of practical knowledge and skills? **Yes**
- d. Was the atmosphere friendly and allowed the candidates to express themselves freely? **Yes**
- e. Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates? **Yes**

9. Was the assessment done jointly by more than one Examiner? **Yes**
10. How many marks are allotted for clinical examination? **Not Applicable**
11. What is the minimum percentage for passing the clinical part? **Not Applicable**
12. Are marks obtained in regular internal examinations added on to the marks obtained in the final clinical examination? **No**
13. Were any other marks from their course of training, or clinical works done in the wards added to the marks obtained in the final clinical examination? **Not Applicable**
14. If so, to what extent (in percentage of marks)? **Not Applicable**
15. Has it influenced the result at the final examination? **Not Applicable**

(Method of assessment of clinical work in the wards may be clearly stated).

VIVA-VOCE

1. The content of the interaction (Give extent of coverage of subject)
Entire syllabus of Microbiology was covered during the interaction
2. How was it conducted (provide details)?
One to one viva voce in three parts by 2 sets of examiners covering the whole subject as per CBME curriculum of NMC
3. What was the standard? (On a scale of 10 where 0 = Very poor and 10 = Outstanding).
08
4. What was the nature of assessment?
Uniform, Recall based clinically oriented skill assessment

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4/12/28

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Ranesh Kumar
4/12/28

4/12/28

5. Was it done jointly by more than one examiner?

Yes

6. How are the marks obtained in different parts of the examination grouped?

Log book/Practical book- 10 marks, Bacteriology section-10marks, Z-N stain- 10 Marks, Stool microscopy- 10, OSPE - 30 Marks, Infection Control Practice & Hand Hygiene,Viva voce - 30

7. What is the minimum for passing in each section and in the grand total?

40 % marks separately in practical/ theory and a total 50% for theory plus

Practical

8. Results for the last three years.

Sl. No.	Batch	Year of exam	Appeared	Pass	Fail
1	2019	2022	99	88	11
2	2021	2024	100	91	09
3	2022	2025	97	95	02

9. No. of students appeared? -99

10. No. of students passed? -99

11. Other remarks if any. NIL

Conclusions:

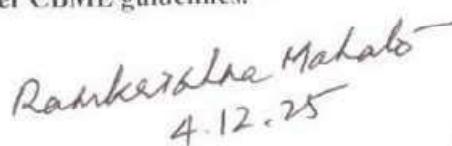
Was the standard sufficient for the M.B.B.S. examination as required by Regulations of the Medical Council of India/National Medical Commission? Yes

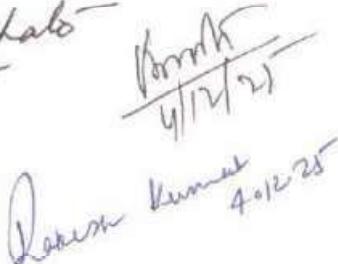
Was the examination conducted satisfactorily to the assessor? Yes

If not, the reasons to be mentioned: NA

Observations of the assessors are to be made in assessment report only.

Examination was conducted as per CBME guidelines.


 4.12.25


 Rohit Kumar 4.12.25


 4.12.25

CURRICULUM VITAE

DR. RAMKRISHNA MAHATO

Professor

Department of Microbiology,

Sheikh Bhikhari Medical College

Hazaribag

Mob. 7739738443

Email – dr.rkmahato@gmail.com



EDUCATIONAL QUALIFICATIONS: -

MBBS, MGM Medical College, Ranchi University – 1996

MD (Microbiology), RIMS, Ranchi University – 2005

TEACHING EXPERIENCE: -

DURATION	Designation	College & University
12.08.2005 to 01.04.2009	Tutor	M.G.M. MEDICAL COLLEGE, JAMSHEDPUR
01.04.2009 to 01.04.2014	Asst. Prof.	M.G.M. MEDICAL COLLEGE, JAMSHEDPUR
01.04.2014 to 09.06.2024	Asso. Prof.	MGMMC, JSR & SBMC, HAZARIBAG
10.06.2024 Till Date	Prof.	SBMC, HAZARIBAG

PERMANENT REGISTRATION: - 30111/31.12.1997

CONTACT INFORMATION: -

ADDRESS: -

Office	Residence
Dept. of Microbiology Sheikh Bhikhari Medical College Hazaribag	Flat No-301, Sheikh Bhikhari Medical College, Campus, Hazaribag

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4/12/25



BIO DATA

Name : Prof. (Dr.) Rakesh Kumar
D.O.B : 08-02-1979
Gender : Male
Department : Microbiology
Institution : Narayan Medical College & Hospital, Jamuhar, Sasaram
Year of Passing MD : 2017

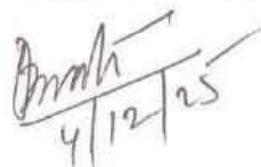
Teaching Experience :

Designation	Institution	From	To	Total
Senior Resident	Late Shri Lakhiram Agrawal Memorial Govt. Medical College, Raigarh	29 Aug, 2017	28 Aug, 2018	1 Yrs
Assistant Professor	Late Shri Lakhiram Agrawal Memorial Govt. Medical College, Raigarh (C.G) ESIC Medical College & Hospital, Bihta, Patna	30 Aug, 2018 25 Feb, 2021	22 Feb, 2021 14 Oct, 2022	2 Yrs 5 M 22 D 1 Yrs 7 M 20 D
Associate Professor	ESIC Medical College & Hospital, Bihta, Patna (Bihar) Narayan Medical College & Hospital, Sasaram, Rohtas (Bihar)	15 Oct, 2022 16 Oct, 2023	14 Oct, 2023 16 Oct. 2025	1 Yrs 1 Yrs 11 M
Professor	Narayan Medical College & Hospital, Sasaram, Rohtas (Bihar)	17 Oct. 2025	Till date	1 m 15 days
Total Teaching Experience:				8 Yrs


04-12-2025

BIO- DATA

Name	DR. OM PRAKASH BHARATI
Qualification	MBBS, MD(Microbiology)
Designation	Associate professor
Dept.	Microbiology
Age & Date of Birth	50 Yrs. & 10/04/1975
Mobile No.	8789975598
E-mail id	drbharati2001@gmail.com
Present College	Laxmi Chandravansi Medical College
Experience	JR academic (PG) – 3 Years
	Tutor - 1 Years
	Assistant Professor- 4 Years
	Associate Professor- 1 Month
Total Year of Experience	8 Years and 1 Month (Post PG Experience 5 Years and 1 Month)



4/12/25

CURRICULAM VITAE

NAME : DR. VIKAS ORAON

AGE/DOB : 41 YRS. 22/12/1983

FATHER NAME : BHADVA ORAON

PRESENT DESIGNATION : ASSISTANT PROFESSOR OF MICROBIOLOGY
DEPARTMENT

PRESENT POSTING : PHULO JHANO MEDICAL COLLEGE DUMKA

PRESENT ADDRESS : DOCTORS QUARTER, COLLEGE CAMPUS,
PHULO JHANO MEDICAL COLLEGE DUMKA

PERMANENT ADDRESS : VILL- SERKA HARIHA TOLI, PO- HARUP,
PS- BISHUNPUR, DIST- GUMLA

EDUCATIONAL QUALIFICATION

MBBS : RIMS, RANCHI, RANCHI UNIVERSITY

MD : RIMS, RANCHI, RANCHI UNIVERSITY

WORKING EXPERIENCE

JUNIOR RESIDENT : JUNE 2014 – MAY 2017 RIMS RANCHI

SENIOR RESIDENT : AUG 2017 – AUG 2019 AIIMS PATNA

ASSISTANT PROFESSOR : AUG 2019 WORKING TILL DATED

Vikas
22/12/25

DEPARTMENT OF MICROBIOLOGY
SHEIKH BHIKHARI MEDICAL COLLEGE & HOSPITAL
HAZARIBAG, JHARKHAND
2nd Prof. MBBS PRACTICAL & VIVA EXAMINATION, 2025 (I)

Answer all Questions.

Total Marks = 30

1. A heat-fixed smear prepared from a growth obtained on Mac Conkey agar medium after inoculation of urine sample from a patient having symptoms of UTI is provided. (3+2+2+3=10)
 - a. Perform the Gram's stain of supplied smear.
 - b. Focus under the microscope.
 - c. Record your observations.
 - d. Enumerate the tests which may be performed to confirm the diagnosis.

2. A heat-fixed smear prepared from sputum sample from a 35-year male having complaints of low-grade evening rise in temperature and cough for one month is provided. (3+2+2+3=10)
 - a. Perform Acid- fast stain of the supplied smear.
 - b. Focus under the microscope.
 - c. Record your observations.
 - d. Interpret the results and enumerate other tests you may perform to confirm the diagnosis.

3. A normal saline mount of stool sample from an 8-year-old malnourished boy with history of acute abdominal pain, nausea and vomiting, is focused on microscope. (2+2+6=10)
 - a. Identify the structure.
 - b. Name the infective stage of this micro-organism for human.
 - c. Draw a labelled diagram of your findings and write down its identification features.

DEPARTMENT OF MICROBIOLOGY
SHEIKH BHIKHARI MEDICAL COLLEGE & HOSPITAL
HAZARIBAG, JHARKHAND
2nd Prof. MBBS PRACTICAL & VIVA EXAMINATION 2025 (I)

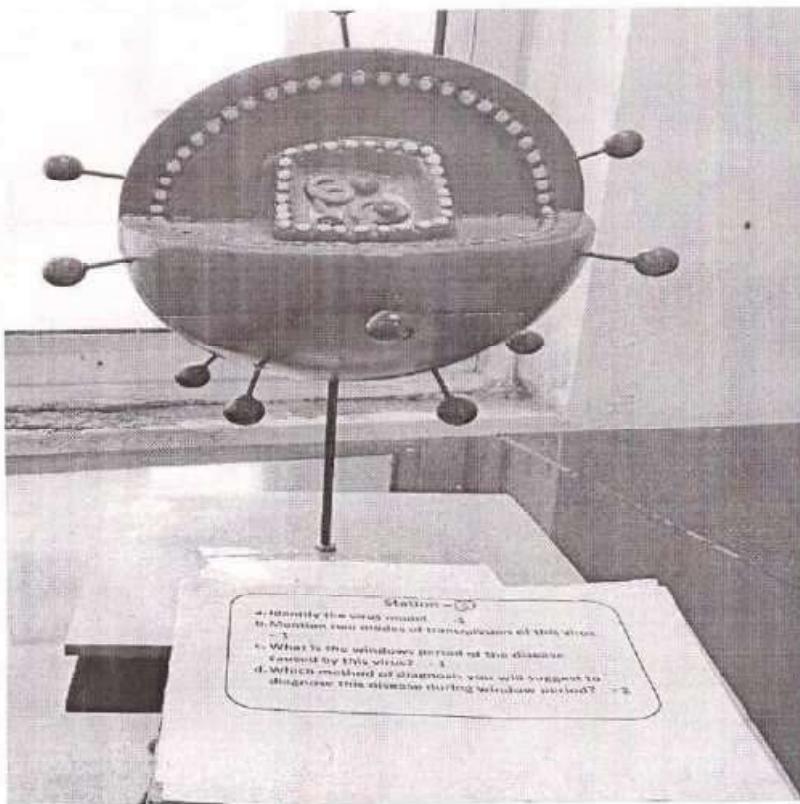
Answer all Questions.

Total Marks = 30

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 - a. Perform the Gram's stain of supplied smear.
 - b. Focus under the microscope.
 - c. Record your observations.
 - d. Enumerate the tests which may be performed to confirm the diagnosis.

2. A heat-fixed smear prepared from sputum sample from a 35-year male having complaints of low-grade evening rise in temperature and cough for one month is provided. (3+2+2+3=10)
 - a. Perform Acid- fast stain of the supplied smear.
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3. A normal saline mount of stool sample from an 8-year-old malnourished boy with history of acute abdominal pain, nausea and vomiting, is focused on microscope. (2+2+6=10)
 - a. Identify the structure.
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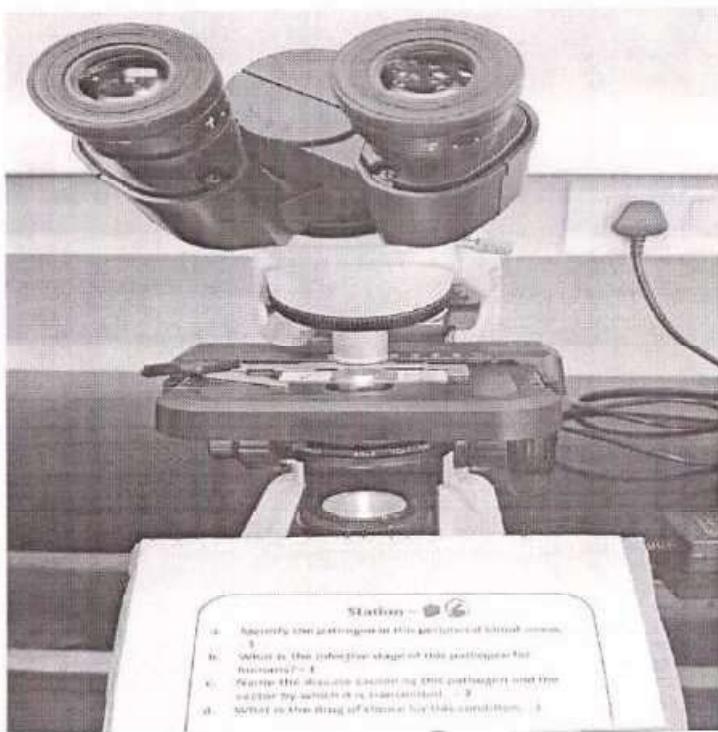


STATION-4

1. A patient with jaundice and elevated liver enzymes for 2 months, the following serological investigations were done with their results displayed below:

HBsAg	Anti - HBs	Anti - HBC	HBeAg	Anti - HBe
+	-	IgM +	+	-

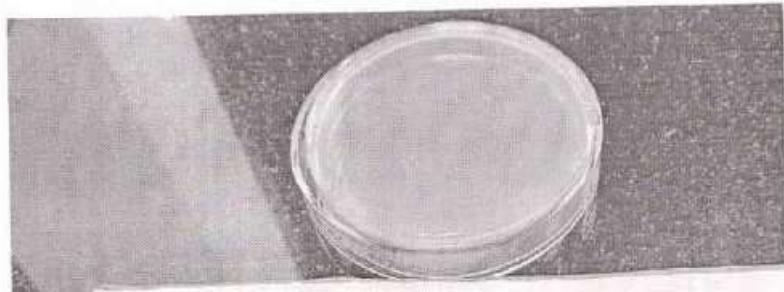
a. Interpret the diagnosis. (2)
 b. Positive IgM Anti - HBC antibody indicates? - 1
 c. Positive HBe Ag indicates? - 2



STATION- 5

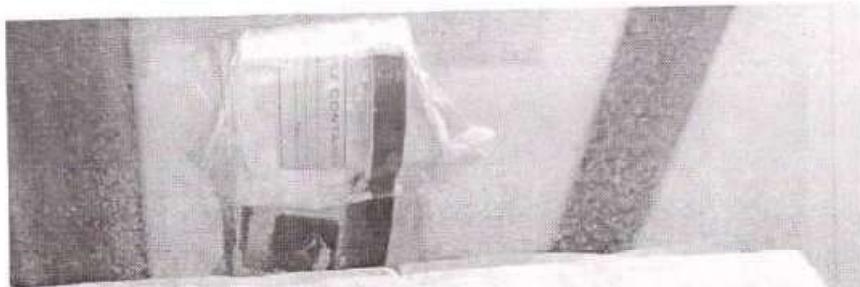
A 65-year-old Female came to the OPD after a post liver transplantation for regular checkup. On examination her mouth showed curdy white, adherent painless patches for 10 days. The scrapping was sent to the lab for KOH and Culture.

- a. Identify the Causative organism. - 2
- b. The causative organism belongs to which morphological classification? - 1
- c. What percentage of KOH is used for KOH mount? - 1
- d. Name the Media used for Culture of this organism. - 1



Station - 2

- a. Identify the media. -1
- b. Which type of media this is. -1
- c. Mention the composition of this media -3



Station - 1

- a. Identify the object. -1
- b. How it is sterilized. -1
- c. Mention two uses of this. -2
- d. In which color bucket you will dispose it after use. -1

2025(I)

Time : 3 hours

Full Marks : 100

*Candidates are required to give their answers in
their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer from both the Sections as directed.

Section – A

1. A 5 yrs old male child, residing in a tribal area of Jharkhand, presented to Pediatric emergency in comatose state. Mother of the child told that the child had high grade fever since last 2 days. Today morning, the child had one episode of projectile vomiting. The consultant on duty suspected the complication of one parasitic infection and sent the whole blood for antigen detection.

$1+1+4+7+2 = 15$

- (a) What is the most probable disease ?

(b) What is the most probable parasite causing these manifestations ?

(c) Write briefly the pathogenesis of the disease.

(d) Write, in detail, the laboratory diagnosis of this disease.

(e) Enlist other complications caused by this parasite.

2. Write short notes on the following : $5 \times 6 = 30$

- (a) Principle and uses of steam under pressure sterilization method
- (b) Pathogenesis of Type III Hypersensitivity reaction
- (c) Role of bacterial plasmid in drug resistance
- (d) Importance of Hepatitis B vaccination among medical students with its dosing-schedule
- (e) Segregation of the generated bio-medical waste

3. Reasoning questions : $5 \times 2 = 10$

- (a) T and B cells do not recognize the self antigens as foreign antigen.

- (b) In MDR-tuberculosis ward, N-95 mask bearing is preferred over surgical mask.
- (c) In comparison to killed vaccine, live vaccines for polio virus result in herd immunity.
- (d) In comparison to culture, molecular based diagnosis is the preferred method for diagnosis of Influenza infection.
- (e) Single-use sterilized Critical items are used in the operation theatres.

Section – B

4. A 12 years old male child presented in Pediatric emergency in severely dehydrated state. The mother of the child told that the child had effortless vomiting with 3 episodes of diarrhoea. There is no history of abdominal pain, fever and passage of mucous / blood / pus in the stool: $2+6+7 = 15$

- (a) What is the most probable causative agent ?
- (b) Describe, in detail, the pathogenesis of above disease.
- (c) Describe, in detail, lab diagnosis of above disease.

5. Write notes on the following : $5 \times 4 = 20$

- (a) Write briefly the importance of counseling in Microbiology laboratory with suitable example.
- (b) Write briefly about the pathogenesis of autoimmune disorders with suitable examples.
- (c) Write about the morphological classification of fungi with suitable examples.
- (d) Describe Immune response against vital pathogens in short.

6. Answer the multiple choice questions :

$$1 \times 10 = 10$$

- (a) Adjuvants are added in the vaccines to increase the :
 - (i) Absorption
 - (ii) Metabolism
 - (iii) Antigenicity
 - (iv) Distribution
- (b) Cold-enrichment at 4°C is used to isolate following bacteria :
 - (i) **Escherichia coli**

- (ii) **Klebsiella pneumoniae**
- (iii) **Listeria**
- (iv) **Hemophilus influenzae**

(c) Mother of one year old child complained that the baby does not sleep well in night. Following parasite may result this condition :

- (i) **Trichuris trichuria**
- (ii) **Enterobius vermicularis**
- (iii) **Ancylostoma duodenale**
- (iv) **Trichinella spiralis**

(d) Internal structures of unstained living cells are best visualized by :

- (i) Bright field Microscope
- (ii) Phase contrast Microscope
- (iii) Dark Field Microscope
- (iv) Electron Microscope

(e) Which of the following bacterium tolerate the acidic pH ?

- (i) **Campylobacter jejuni**
- (ii) **Helicobacter pylori**

- (iii) **Salmonella Typhi**
- (iv) **Klebsiella pneumoniae**
- (f) Endotoxin act by following pathway of complement system:
 - (i) Classical
 - (ii) Alternative
 - (iii) Mannose binding lectin
 - (iv) By any one
- (g) Gamma Radiation can be used sterilize all expect:
 - (i) Thermolabile medications
 - (ii) Sutures
 - (iii) Bronchoscope
 - (iv) Artificial tissue graft
- (h) A 35 years old retropositive male presented in ART clinic with complaint of water diarrhoea. On Modified ZN staining, acid fast oocyst having size of $\sim 15 \mu\text{m}$ were observed. What is the most probable causative parasite?
 - (i) **Cryptosporidium parvum**

- (ii) Cyclospora cayetanensis
- (iii) Cystoisospora belli
- (iv) Microsporidium

(i) IgM antibodies against JE virus are best detected by :

- (i) Direct ELISA
- (ii) Indirect ELISA
- (iii) Capture ELISA
- (iv) Sandwich ELISA

(j) **Staphylococcus aureus** food poisoning occurs after consumption of :

- (i) Shellfish
- (ii) Milk
- (iii) Rice
- (iv) Rewarmed meat

2025(I)

Time : 3 hours

Full Marks : 100

*Candidates are required to give their answers in
their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer from both the Sections as directed.

Section – A

1. A 10 year old boy presents with acute onset of pain, swelling and restricted movement in the right knee joint, along with fever for 2 days. Joint aspiration yields turbid synovial fluid. Gram stain shows Gram-positive cocci in clusters. He had a recent history of skin infection over the thigh.

$1+2+5+7 = 15$

- (a) What is the most likely causative organism in this case ?

(b) Why is joint aspiration preferred before starting empirical antibiotic therapy ?

(c) Discuss the virulence factors of the causative agent.

(d) How will you confirm the diagnosis in laboratory ?

2. Write short notes on the following : $5 \times 6 = 30$

- (a) Laboratory diagnosis brucellosis
- (b) Rabies post-exposure prophylaxis
- (c) Laboratory diagnosis of urinary tract infection
- (d) Hydatid cyst
- (e) Larva migrans

3. Explain why ? $5 \times 2 = 10$

- (a) Why is midstream clean-catch urine preferred for culture in the diagnosis of urinary tract infections ?
- (b) Why are prosthetic joint infections often caused by biofilm-producing organisms ?
- (c) Why is Brucella infection more common in veterinarians, dairy workers and abattoir staff ?

(d) Why is reverse transcriptase PCR (RT-PCR) used for detecting RNA viruses like SARS-CoV-2 instead of conventional culture methods ?

(e) Why is MRSA (Methicillin-Resistant *Staphylococcus aureus*) a common pathogen in community-acquired SSTIs ?

Section – B

4. A 30 year old male presents with a painless genital ulcer and non-tender inguinal lymphadenopathy. He reports unprotected sexual exposure 3 weeks ago. $1+6+8 = 15$

(a) What is the clinical diagnosis of this case ?

(b) Enumerate the differential diagnosis with causative agents for this clinical condition.

(c) Discuss the laboratory diagnosis in details.

5. Write in brief about : $3 \times 5 = 15$

(a) Primary amoebic meningoencephalitis

(b) Discuss the laboratory influenza-like illnesses (ILIs).

(c) Define Healthcare Associated Infection (HAI) and enumerate the types of HAIs.

6. What are the responsibilities of healthcare providers in breaking bad news (e.g, a positive HIV diagnosis) with sensitivity and clarity ? 5

7. Choose the correct answer of the following :

$$1 \times 10 = 10$$

(a) Liquid culture media for cultivation of *Mycobacterium tuberculosis* :

- (i) Lowenstein-Jensen media
- (ii) Middlebrook, 7H10
- (iii) Middlebrook, 7H9
- (iv) Middlebrook, 7H11

(b) Recommended media for cultivation of uropathogen is :

- (i) Mueller Hinton Agar
- (ii) CLED Agar
- (iii) MacConkey Agar
- (iv) Nutrient Agar

(c) Zoonotic diseases are all EXCEPT :

- (i) Tyroid
- (ii) Anthrax
- (iii) Rabies
- (iv) Q fever

(d) A spiderweb clot in the CSF that has been collected is indicative of :

- (i) Pneumococcal meningitis
- (ii) Viral meningitis
- (iii) TB meningitis
- (iv) Cryptococcal meningitis

(e) The phenomenon which demonstrates the dependence of *H. influenzae* on the X and V factors is known as :

- (i) Interference
- (ii) Hemadsorption
- (iii) Transformation
- (iv) Satellitism

(f) All of the following are virulence factors associated with *N gonorrhoeae* except :

- (i) Pili

- (ii) Por
- (iii) Lipooligosaccharide
- (iv) Opa proteins

(g) Scarlet fever is due to :

- (i) Production of endotoxin by *Streptococcus pyogenes*
- (ii) Production of exotoxin A and C by *Streptococcus pyogenes*
- (iii) Lipoteichoic acid to *Streptococcus pyogenes*
- (iv) Capsule of *Streptococcus pyogenes*

(h) SOFA score is used for :

- (i) VAP
- (ii) URTI
- (iii) Sepsis
- (iv) CAUTI

(i) Silver impregnation test is used for the demonstration of :

- (i) *Treponema*
- (ii) *Vibrio*

(iii) *Shigella*

(iv) *Pseudomonas*

(i) Scrub typhus is caused by :

(i) *Cl. walchii*

(ii) *R. prowazekii*

(iii) *O. tsutsugamushi*

(iv) *C. diphtheria*





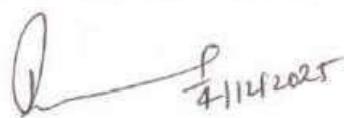
(02-12-2025 TO 04-12-2025)

FEEDBACK FORM FOR EXAMINER

Name of the Examiner:

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Standard of the answers*	Good
ii.	The standard of the Theory/Practical Examination displayed*	Modulate
iii.	How many cases were given to each candidate - long and short cases?	N/A 6 OSPE given to each examinee
iv.	Type of cases given	N/A
v.	How was the assessment done?	Fair and assessed uniformly
vi.	Nature of Discussion of case by the candidate – level of difficulty of question*	moderate
vii.	Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question?	Yes/ No <input checked="" type="checkbox"/>
viii.	Was the assessment done jointly by more than one Examiner?	Yes/ No <input checked="" type="checkbox"/>
ix	Detailed Process of Viva – Voce conducted	Yes/ No Each sections have been covered (Full syllabus as per NMC has been covered including clinical based case)


4/12/2025

Signature of the Examiner:
(Dr. Rakesh Kumar)



(02-12-2025 TO 04-12-2025)

FEEDBACK FORM FOR EXAMINER

Name of the Examiner:

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Standard of the answers*	Good
ii.	The standard of the Theory/Practical Examination displayed*	Moderate
iii.	How many cases were given to each candidate - long and short cases?	6 OSPE
iv.	Type of cases given	NA
v.	How was the assessment done?	combined assessment
vi.	Nature of Discussion of case by the candidate – level of difficulty of question*	Moderate
vii.	Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question?	Yes/ No
viii.	Was the assessment done jointly by more than one Examiner?	Yes/ No
ix	Detailed Process of Viva – Voce conducted	Yes/ No

Signature of the Examiner: W.K. D. A.



(02-12-2025 TO 04-12-2025)

FEEDBACK FORM FOR STUDENTS

University Examination Number: 2411580736527

Batch: 2023 Batch

Date: 4/12/25

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions	MCQs / SAQs / Structured Essay type / Long answers/clinical case
ii.	Type of Questions	Recall based/Application based/Problem based
iii.	Standard of Questions	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	Yes/ No
v.	Time allotted for different sections of the examination.	Adequate/Inadequate
vi.	Long case and short case included?	Yes/ No
vii.	Have all the candidates been uniformly examined?.	Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	Yes/ No
ix.	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	Yes/ No

x	Was the assessment done jointly by more than one Examiner?	Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	All important topics & clinical cases.
xii	The standard of the Theory/Practical Examination*	Theory: Tough Practical: Moderate
xiii	Rate the conduction of the examination. *	8/10

Dinayra Rani

Signature of the Student:



(02-12-2025 TO 04-12-2025)

FEEDBACK FORM FOR STUDENTS

University Examination Number: 241580736539

Batch: 2023 Batch

Date: 4/12/25

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions	MCQs / SAQs / Structured Essay type / Long answers/clinical case
ii.	Type of Questions	Recall based/Application based/Problem based
iii.	Standard of Questions	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	✓ Yes/ No
v.	Time allotted for different sections of the examination.	Adequate/Inadequate
vi.	Long case and short case included?	✓ Yes/ No
vii.	Have all the candidates been uniformly examined?	✓ Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	✓ Yes/ No
ix.	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	✓ Yes/ No

x	Was the assessment done jointly by more than one Examiner?	✓ Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	9/10
xii	The standard of the Theory/Practical Examination*	Theory: 9 Practical: 9
xiii	Rate the conduction of the examination. *	9/10

M A. NAMISH RAJ

Signature of the Student:

NATIONAL MEDICAL COMMISSION

STANDARD ASSESSMENT FORM

FORM - C

File No: Patho/115 /Assessment No.: 01

Date :- 04/12/2025

Name of Course	-	Second Phase MBBS
Name of Subject	-	Pathology
Name of College	-	Sheikh Bhikhari Medical College, Hazaribag. (formerly called as - Hazaribag Medical College, Hazaribag)
Name of University	-	Vinoba Bhave University, Hazaribag
Place of examination	-	Department of Pathology, SBMC, Hazaribag.
Dates of examination	-	02/12/2025 to 04/12/2025

1. ASSESSORS

Sl	Name	Official address	Mobile No.	Email address
1.	Prof (Dr.) Ajay Kumar	Professor Pathology Dept. Shaheed Nirmal Mahto Medical College, Dhanbad	8271636522 9431194753	ajaykumar1956@gmail.com
2.	Prof (Dr.) Binod Kumar	Professor & HOD Pathology Dept. Sheikh Bhikhari Medical College, Hazaribag.	9431174412	krbinod1205@gmail.com
3.	Dr. Uma Shanker Singh	Associate Professor (Pathology Dept) MGM Medical College, Jamshedpur	9431342208	dr_uma_shanker@yahoo.com
4.	Dr. Silbina Murmu	Associate Professor (Pathology Dept) Sheikh Bhikhari Medical College, Hazaribag.	9431397279	Silbina10@yahoo.co.in

Assessment order/letter number:

- Letter No. U-14021/01/2024-UGMEB, Government of India, Public Notice dated 06/02/2024 & 09/02/2024 by Director UGMEB

(Chairman cum Assessor)

Dr. J. P. Gaur
09/12/28
Professor (Patho)
SMMCH Dharmshala

~~04/12/2015~~

Mr. —

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2. REPORT OF PREVIOUS ASSESSMENT

Deficiencies pointed out in the last Assessment/ if any	Remarks
NIL	

A. Scheme of Examination	Marks allotted	Minimum passing marks
1. Theory:		
Final examination : 200	200	Minimum 40%
Internal assessment : 100	100	40% (Not added in final)
Total for Theory : 200	200	Average of both 40%
40% is mandatory to get. 40% marks separately in theory and a total 50% for theory plus Practical		
2. Clinical/Practical:		
Final examination : 80	80	Average of practical & viva
Internal assessment : 80	80	40%
Total for Practical : 80	80	
3. Viva – voce:		
Final examination : 20 (In Practical)	20	
Internal assessment : 20	20	
Total for Viva-voce : 20	20	
40% is mandatory to get. 40% marks separately in practical and a total 50% for Theory plus Practical		
Grand Total :	300	150

B. Theory (Attach 1 copy of each of the papers)

Conducted by: Vinoba Bhave University, Hazaribag, Jharkhand

1. Theory paper:	Subject:	Time: ___ Hrs.	Date of exam:
No. 1:	Pathology Paper I	3 hrs 1pm to 4pm	10/11/2025
No. 2:	Pathology Paper II	3 hrs 1pm to 4pm	12/11/2025
2. Place of conduct of exam	:	Examination Hall VBU, Hazaribag	
3. Invigilation arrangements	:	Done by University	
4. No. of candidates appeared	:	102	

C. Remarks by the Assessor's regarding:

- a) Nature of the questions- MCQs/SAQs/structured Essay type/Long answers
- b) Type of Questions – Recall based/Application based/Problem based
- c) Standard of questions – level of difficulty: Easy/Moderate/Difficult: **Moderate**
- d) Do they broadly cover the prescribed curriculum? **Yes**
- e) Standard of the answers: (On a scale of 10 where 0 = Very poor and 10 = Outstanding)
Answer sheets evaluation is done by university.

- f) Internal assessment marks (to be reviewed by the assessors) that have contributed to final examination: **Yes reviewed & found as per NMC curriculum.**
- g) Method/pattern of examination of internal examinations conducted during the course of training/study (to be clearly stated): **As per CBME curriculum of NMC**
- h) Have the Internal assessment marks influenced the final examination? **No, as per CBME guideline**

II. PRACTICAL / CLINICAL EXAMINATION: PRACTICAL

- a) Conduct of the practical examination (provide details including OSCE)

1. Practical – a) Bio chemical test in urine examination

- b) ABO & Rh**
- c) Differential leucocyte count**
- d) Histopathological slide examination**

- b) Does the practical examination broadly cover the discipline? **Yes**

- c) Time allotted for different sections of the examination (Provide details).

- OSPE – Work station 15 minute**

- OSPE Practical – 4 experiments – 1hrs 30 minute
- Viva-Voce – 12 to 15 minute
- d) Details of examiners: (please attach brief cv of the examiners).

Note: Provide this information in a sealed envelope marked confidential.

Names Qualification	Designation	Years of Experience as UG Teacher/Examiner
Internal examiners 1. Dr. Binod Kumar 2. Dr. Silbina Murmu	Professor, Pathology Department Associate Prof. Pathology Department	20 yrs / 08 month 17 yrs / 07 month
External examiners 1. Dr. Ajay Kumar 2. Dr. Uma Shanker Singh	Professor, Pathology Department Associate Prof. Pathology Department	30 yrs 20 yrs / 05 month And PG Teaching 4 yrs

e) Mode of practical examination: In batches or otherwise and number of students per day
 (Provide details) **3 batches of ABC groups each containing 33**
1st day – 02/12/2025 – 33 students
2nd day – 03/12/2025 – 33 students
3rd day – 04/12/2025 – 36 students

f) Are there other examination centers in the same University: **Yes/No**
 • If yes, provide details.

g) Do the same examiners conduct the examination in other centers too? **Yes/No**
 • If not. What steps are taken to ensure uniformity of standards? Are meetings of the examiners being conducted and guidelines are given by the University
Yes University guidelines are being followed by all the examiners

h) Date of Examination in different centers **NA**

i) Date and time when the examination was inspected by the assessors –
02/12/2025 – 9 am to 5 pm, 03/12/2025 – 9 am to 5 pm and 04/12/2025 – 9 am to 5 pm

- j) Are the invigilation arrangements satisfactory? Yes
- k) No. of candidates appeared. **102**
- l) Number and type of practical exercises allotted to candidates (enclose copy of questions/tasks) **Copy of Practical Question Paper enclosed**
- m) The standard displayed (On a scale of 10 where 0 = Very poor and 10 = Outstanding) **08**
- n) Minimum marks required for passing: **Already provided**

PRACTICAL

- 1. No of Long cases : **NA**
- 2. No of Short cases : **NA**
- 3. How many cases were given to each candidate – long and short cases? **NA**
- 4. Type of cases given (attach list of long and short cases) **NA**
- 5. Average time for (long cases and short cases for each Candidate. **NA**
 - a. Time for examining the patient :
 - b. Time for discussion fixed time or changed as per the answers of the candidate.
- 6. How was the assessment done? **Practical/log book/OSPE/Viva-voce**
- 7. Standard displayed by candidates in general in the clinical part of the examination. (On a scale of 10 where 0 = Very poor and 10 = Outstanding) **08**
- 8. Nature of Discussion of case by the candidate – Level of difficulty of questions (On a scale of 10 where 0 = Very easy and 10 = very difficult) **07**
 - a. Number & type of questions (a copy of the question asked by the examiners may be attached) **Recall based clinically oriented skill assessment**
 - b. Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question? **Yes**
 - c. Was the discussion fair, searching and sufficient for the assessment of practical knowledge and skills? **Yes**
 - d. Was the atmosphere friendly and allowed the candidates to express themselves freely? **Yes**
 - e. Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates? **Yes**
- 9. Was the assessment done jointly by more than one Examiner? **Yes**

Amritpal

Dr

Jas

SL

10. How may marks are allotted for clinical examination? **NA**
11. What is the minimum percentage for passing the clinical part? **NA**
12. Are marks obtained in regular internal examinations added on to the marks obtained in the final clinical examination? **NO**
13. Were any other marks from their course of training, or clinical works done in the wards added to the marks obtained in the final clinical examination? **NA**
14. If so, to what extent (in percentage of marks)? **NA**
15. Has it influenced the result at the final examination? **NA**
(Method of assessment of clinical work in the wards may be clearly stated).

VIVA-VOICE

1. The content of the interaction (Give extent of coverage of subject) : **General Pathology, Systematic Pathology, Hematology, clinical Pathology and entire syllabus**
2. How was it conducted (provide details)? **2 External examiners covering section of general Pathology systematic Pathology as per CBME curriculum of NMC**
3. What was the standard? (On a scale of 10 where 0 = Very poor and 10 = Outstanding). **08**
4. What was the nature of assessment? **Skill based, Recall based, Application based and Problem based.**
5. Was it done jointly by more than one examiner? **Yes**
6. How are the marks obtained in different parts of the examination grouped? **Satisfactory**
7. What is the minimum for passing in each section and in the grand total? **40% with marks separately in practical/theory and a total 50% for theory plus practical**
8. Results for the last three years.

Sl No.	Batch	Year of Exam	Appeared	Pass	Fail
1	2019	2022	99	79	20
2	2021	2024	100	91	09
3	2023	Jan-2025	98	84	14

9. No. of students appeared?

10. No. of students passed?

11. Other remarks if any. **NIL**

Conclusions:

Was the standard sufficient for the M.B.B.S. examination as required by regulations of the Medical Council of India/National medical Commission? **Yes**

Was the examination conducted satisfactorily to the assessor? **Yes**

If not, the reasons to be mentioned: **NA**

Observations of the assessors are to be made in assessment report only. : **Examination was conducted successfully as per guideline of NMC in a calm and cool environment.**

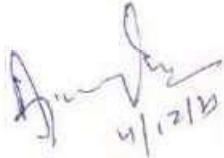
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Agniprakash
04/12/25

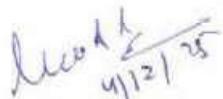
Department of Pathology, Sheikh Bhikhari Medical College, Hazaribag

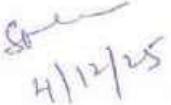
C.V. of Examiners

SI No.	Name	Designation	Mobile No.	Aadhar No.	Email-id	Years of Experience as UG Teacher/Examiner
1.	Prof. (Dr.) Ajay Kumar	Professor, Pathology Department, SNMC, Dhanbad	8271636522 9431194753	519486544454	ajaykumar1956@gmail.com	30 yrs
2.	Prof. (Dr.) Binod Kumar	Professor, Pathology Department, SBMC, Hazaribag	9431174412	873252461908	Krbinod1205@gmail.com	20 yrs/ 08 month
3.	Dr. Umashanker Singh	Associate Professor (Pathology Dept) MGM Medical College, Jamshedpur	9431342208	997263462144	dr_uma_shanker@yahoo.com	20 yrs / 05 month And PG Teaching 4 yrs
4.	Dr. Silbina Murmu	Associate Professor (Pathology Dept) Sheikh Bhikhari Medical College, Hazaribag.	9431397279	896522278727	Silbina10@yahoo.co.in	17 yrs/ 07 month


4/12/25


4/12/25


4/12/25


4/12/25

2025(I)

Time : 3 hours

Full Marks : 100

*Candidates are required to give their answers in
their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer all questions from both the Sections as directed.

Section – A

1. Write etiopathogenesis, complications and fate of thrombosis. 15
2. Tabulate the differences between : $5 \times 2 = 10$
 - (a) Transudate and Exudate
 - (b) Reversible and Irreversible injury
3. Write short notes on the following : $5 \times 3 = 15$
 - (a) Pathologic calcifications
 - (b) Numerical chromosomal aberrations

(c) Describe the importance of relationship with patient, fellow team members, superiors and other fellow health care workers.

4. Enumerate : $2 \times 5 = 10$

- (a) Types of pathological giant cells
- (b) Cancer regulatory genes
- (c) Autosomal Dominant disorders
- (d) Abnormal immune functions in AIDS
- (e) HLA B27 associated disorders

Section – B

5. Write in detail on pathology, clinical features and laboratory diagnosis of multiple myeloma. 10

6. Tabulate the differences between : $5 \times 2 = 10$

- (a) Intravascular and Extravascular haemolysis
- (b) Leukemoid reaction and Chronic Myeloid Leukemia-chronic phase

7. Write short notes on the following : $5 \times 3 = 15$

- (a) Coombs test
- (b) Laboratory diagnosis of platelet type of bleeding disorder
- (c) Bombay blood group

8. Enumerate : $2 \times 5 = 10$

- (a) Haematopoietic growth factors
- (b) Transfusion transmissible infection
- (c) Causes of reticulocytosis
- (d) Special stains used in haematology laboratory
- (e) Disorders that causes prolongation of APTT

9. Select the best choice : $1 \times 5 = 5$

- (a) The blood count in sickle cell / haemoglobin C disease is characterized by all Except :
 - (i) Generally mild anemia
 - (ii) Increased mean cell volume
 - (iii) Reticulocytosis
 - (iv) Increased mean cell haemoglobin concentration
- (b) Which of the following does not characterizes bleeding pattern of Haemophilia A ?
 - (i) Small vessel bleeding
 - (ii) Haemarthroses
 - (iii) Muscle bleeds
 - (iv) Life threatening bleeding after trauma

(c) A defective phagolysosome is a feature of :

- (i) Chronic Granulomatous disease
- (ii) Ataxia telangiectasia
- (iii) Fanconi anemia
- (iv) Chediak-Higashi syndrome

(d) Dohle bodies seen in neutrophils of patients suffering from sepsis are :

- (i) Golgi complex
- (ii) Toxic granules
- (iii) Ribosome and endoplasmic reticulum
- (iv) Degenerated mitochondria

(e) A peripheral blood picture of pancytopenia with normal bone marrow suggest :

- (i) Drug reaction
- (ii) Aplastic anemia
- (iii) Aleukemic acute leukemia
- (iv) Hypersplenism



2025(I)

Time : 3 hours

Full Marks : 100

*Candidates are required to give their answers in
their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer form both the Sections as directed.

Section – A

1. A 40 year male presented with episodes of burning epigastric pain. Pain is usually relieved after taking food. Endoscopy was performed that showed a small punched out ulcer in pyloric region with clean base. $2+2+4+2 = 10$
 - (a) What is the probable diagnosis ?
 - (b) Enumerate the risk factors of disease.
 - (c) Describe the gross and microscopic features with a labelled diagram.

(d) What may be the complications of this disease ?

2. Write short notes on the following : $5 \times 5 = 25$

(a) Thyroid function test

(b) Wilson's disease

(c) Classify and describe salient features of Lung
Carcinoma

(d) Polycystic disease of Kidney

(e) Premalignant lesions of Cervix

3. Write difference between on the following :

$5 \times 3 = 15$

(a) Breast carcinoma and Fibroadenoma

(b) CSF findings in tubercular and viral
meningitis

(c) Bronchopneumonia and Lobar pneumonia

Section – B

Case based long question :

4. A 50 years women had cervical lymphadenopathy
and fever. Biopsy was performed on which
histopathological diagnosis of Lymphoma was

made. Women's husband collected the report from the laboratory and went to the clinician to show the report. After knowing that lymphoma is a type of cancer, he told clinician that his wife is very frightened person and will not be able to handle the diagnosis of cancer. He insisted doctor to not reveal the diagnosis to her wife.

$$4+4+2 = 10$$

- (a) Discuss your view about patient right to know the diagnosis in this situation.
- (b) How will you counsel them for the further management and prognosis ?
- (c) Are there exceptions to full disclosure ?

5. Write short notes on the following : $5 \times 4 = 20$

- (a) Retinoblastoma
- (b) Prostate specific antigen
- (c) Diabetic nephropathy
- (d) Pathogenesis of atherosclerosis

6. What is nephrotic syndrome ? Discuss the etiology, pathogenesis and morphology of membranous nephropathy. 10

7. Choose the correct answer of the following :

$$1 \times 10 = 10$$

(a) A 26 year female present with pain abdomen and blood in stool. Colonoscopy show multiple polyps throughout the colon. A genetic predisposition is suspected. Patient should be evaluated for which gene germline mutation :

- (i) RET
- (ii) BRAF
- (iii) APC
- (iv) DICER 1

(b) A 28 year female patient has sudden difficulty in breathing that was relieved by taking corticosteroids. Bronchoalveolar fluid examination show many eosinophils Charcot-Leyden crystals. What is possible diagnosis ?

- (i) Asthma
- (ii) Emphysema
- (iii) Bronchiectasis
- (iv) Chronic Bronchitis

(c) Which of the lung tumor show molding and crushing artefact in histopathology ?

- (i) Squamous cell carcinoma
- (ii) Adenocarcinoma
- (iii) Large cell neuroendocrine carcinoma
- ~~(iv)~~ Small cell carcinoma

(d) Most common benign tumor of salivary gland is :

- (i) Pleomorphic adenoma
- ~~(ii)~~ Warthin's tumor
- (iii) Mucoepidermoid
- (iv) Basal cell adenoma

(e) Which of the following is true about Meckel diverticulum ?

- ~~(i)~~ False diverticulum
- (ii) Approximately present in 2% of population
- (iii) Approximately 2 cm long
- (iv) More common in females

(f) Most common gene mutation associated with Hirschsprung disease is :

- (i) RET gene
- (ii) RB gene
- (iii) P53 gene
- (iv) MET gene

(g) A 27 year male present with watery diarrhea, fever and abdominal pain. Biopsy show presence of pseudo-membranes on mucosal surface. Probable organism is :

- (i) Clostridiooides difficile
- (ii) E. Coli
- (iii) Salmonella
- (iv) Staphylococcus aureus

(h) Ground glass hepatocytes are seen in :

- (i) Autoimmune hepatitis
- (ii) Alcoholic hepatitis
- (iii) Hepatitis B virus chronic hepatitis
- (iv) Wilson's disease

(i) Which of the cystic neoplasm of pancreas is associated with VHL gene mutation ?

(i) Mucinous cystic neoplasm

(ii) Intraductal papillary neoplasm

(iii) Pancreatic pseudopapillary neoplasm

(iv) Serous cystic neoplasm

(j) Antibodies against PLA2R are associated with :

(i) Membranous glomerulopathy

(ii) Minimal change disease

(iii) Membranoproliferative glomerulonephritis

(iv) Postinfectious glomerulonephritis



SHEIKH BHIKHARI MEDICAL COLLEGE, HAZARIBAG

DEPARTMENT OF PATHOLOGY

PHASE II M.B.B.S (2023 BATCH)

1st Terminal Examination

Time: 3 hrs

04/03/25

Full marks: 100

1) Long Question

(25)

A) Define Anemia . Classify anaemia based on etiology . Write in detail about the pathophysiology and laboratory diagnosis of megaloblastic anemia . (2+8+5)

B) Define shock and enumerate its types. Describe etiopathogenesis of septic shock. (10)

Short notes

(6x5 = 30)

- 1)Pathogenesis of sickle cell anemia.
- 2)Metaplasia
- 3) Chemical Mediators of inflammation .
- 4) Apoptosis .
- 5) Define thrombus and explain its morphology and its fate .
- 6)DIC

Short answers

(3x5= 15)

- 1) Explain in brief about events of acute inflammation .
- 2) Hyperplasia
- 3) Congestion
- 4) Fenton reaction .
- 5) Laboratory diagnosis of iron deficiency anemia

Differentiate between

(5x4= 20)

- 1) Extravascular and intravascular hemolysis .
- 2) Granuloma and Sarcoidosis
- 3) Dry and Wet gangrene .
- 4) Transudate and Exudate .

MCQs

(1x10 =10)

1) Microalbuminuria is defined as ----- of 24hr urinary protein

- a)0.03 - 0.3gm
- b)0.3 – 0.5gm
- c)>0.5 gm
- d)<0.3 gm

2) Bence – jones proteins are

- a) Heavy chain Ig
- b) Light chain Ig
- c) Both
- d) None

3) During transmigration initial rolling is mediated by :

- a) integrin
- b) cytokine
- c) selectin
- d) chemokine

4) NESTROFT test is done for screening :

- a) alpha thalassemia
- b) beta thalassemia
- c) Hereditary spherocytosis
- d) MAHA

5) Folate deficiency causes :

- a) Spinal cord damage
- b) hemolytic anemia
- c) Duodenal atrophy
- d) Neural tube defect

6) Bernard Soulier syndrome occurs due to :

- a) Platelet aggregation defects
- b) Platelet activation defects
- c) Both
- d) None

7) Hypersegmented neutrophils are :

- a) neutrophils > 6 lobes and > 3% neutrophils with atleast 5 lobes
- b) Neutrophils with less than 6 lobes
- c) Upto 50% neutrophils with >5 lobes
- d) None

8) NETs are :

- a) made of lipids and carbohydrates
- b) formed in response to bacterial infection
- c) web like structures made of DNA and chromatin
- d) is an active process

9) APTT assesses :

- a) intrinsic and common pathway
- b) extrinsic pathway
- c) fibrinolytic system
- d) platelet function

10) Which factor is primarily responsible for muscle hypertrophy :

- a) hormones
- b) muscle tension
- c) decreased protein synthesis
- d) both A&B

SHEIKH BHIKHARI MEDICAL COLLEGE, HAZARIBAGH
DEPARTMENT OF PATHOLOGY
PHASE II M.B.B.S (2023 BATCH)
2nd Terminal Examination (23-06-2024)

I. Long Questions

1. A 40 yrs old male presents with weakness, pallor, fever and bleeding gums. His Hb- 7.4gm/dl, TLC- 1.4 lakhs with numerous immature WBC, MPO +ve and platelet 34000/cumm.
 - a. What is the most probable diagnosis and why? - 2
 - b. How do you classify this condition? - 8
 - c. What are the laboratory findings in such a case? - 5
2. A 45yrs old male complaining of severe chest pain and sweating during walking and elevated ST segment on ECG.
 - a. What is your probable diagnosis? - 2
 - b. Enlist the risk factors and discuss in detail the etiopathogenesis and complications of this disease. - 5
 - c. What is the lab diagnosis of this condition? - 3

II. Short Notes $5 \times 8 = 40$

- a. Tumour marker.
- b. Complications of diabetes mellitus.
- c. Complications of cirrhosis of liver.
- d. Delayed hypersensitivity.
- e. Rheumatic Fever.
- f. Teratoma of ovary.
- g. Classification of tumours of breast.
- h. Biochemical markers of Hepatitis B.

III. Differentiate between:- $5 \times 5 = 25$

- a. Benign and malignant tumour.
- b. Conjugated and unconjugated bilirubin.
- c. Leukemoid reaction and CML.
- d. Innate and Adaptive Immunity.
- e. Type I Diabetes Mellitus and type II Diabetes Mellitus

IV. Multiple Choice Questions:- 1x10= 10

1. Which of the following sequence is correct in terms of abundance?

- a. Neutrophil > Lymphocyte > Monocyte > Eosinophil > Basophil
- b. Neutrophil > Monocyte > Eosinophil > Lymphocyte > Basophil
- c. Lymphocyte > Neutrophil > Monocyte > Eosinophil > Basophil
- d. Lymphocyte > Monocyte > Neutrophil > Basophil > Eosinophil

2. Bence Jones proteins are

- a. Light chain
- b. Heavy chain
- c. Medium chain
- d. All

3. Excessive fibrosis in a tumour is called

- a. Anaplasia
- b. Metaplasia
- c. Desmoplasia
- d. Dysplasia

4. A cyanotic (left to right shunt) group of heart disease includes all of the following except

- a. Ventricular septal defect
- b. Atrial septal defect
- c. Patent ductus Arteriosus
- d. Transposition of great aorta

5. Brown Tumour is seen in

- a. Hyperthyroidism
- b. Hypothyroidism
- c. Hyperparathyroidism
- d. Hypoparathyroidism

6. Commonest Benign tumours of liver is

- a. Hepatoma
- b. Hemangioma
- c. Adenoma
- d. Nodular focal hyperplasia

7. The granuloma formation is most frequently associated with

- a. A persistent irritant
- b. The healing process
- c. Acute inflammation
- d. Wound contraction

8. Laboratory diagnosis of pheochromocytoma is based on the demonstration of increasing urinary excretion of

- a. Albumin
- b. Vortisol
- c. Vanillyl mandelic acid
- d. Ascorbic Acid

9. Krukenberg tumour can be caused by all except

- a. Ca breast
- b. Choriocarcinoma
- c. carcinoma of gall bladder
- d. Colon Ca.

10. Schiller- Duval body is seen in

- a. Yolk sac tumour
- b. Dysgerminoma
- c. Choriocarcinoma
- d. Granulose-cell tumour.

SHEIKH BHIKHARI MEDICAL COLLEGE, HAZARIBAG
DEPARTMENT OF PATHOLOGY
PHASE II M.B.B.S (2023 BATCH)
2nd Terminal (Remedial) Examination (09-09-2025)

Long Questions:-

1. A 50 Yrs Old male presented in OPD with complains of polyuria, polydipsia and weight loss (15)

- a. What is your probable diagnosis? (2)
- b. Describe pathogenesis of your diagnosis. (8)
- c. Discuss the microvascular complications and renal complications. (5)

2. A 55 Yrs Old female presented with painless hard, fixed lump over breast. On examination, left axillary lymph nodes are palpable. (15)

- a. What is your provisional diagnosis? (2)
- b. Enumerate the risk factors of this disease. (5)
- c. Write about molecular classification of this disease. (5)
- d. Describe the morphology of various types in short. (3)

3. Differentiate between: (5X5 = 25)

- a. Nephrotic syndrome V/s Nephritic syndrome.
- b. Ulcerative colitis V/s Chron's disease.
- c. Obstructive and Restrictive Lung Disease.
- d. Gastric Ulcer V/s Duodenal Ulcer.
- e. Tubercular V/s Bacterial Meningitis .

Short Notes :-

(5X8 = 40)

- a. IgA Nephropathy
- b. Explain the pathogenesis of nephritic syndrome.
- c. Linitus Plastica.
- d. Klinefelter's Syndrome.
- e. Explain multiple myeloma. Write its diagnostic criteria.
- f. Mention 4 childhood malignancies.
- g. Osteoclastoma.
- h. Delayed hypersensitivity reaction.

Multiple Choice Questions:-

(1X5 = 5)

- 1. Which of the following is not used as a tumor marker in testicular tumor?
 - a. AFP
 - b. LDH
 - c. HCG
 - d. CEA
- 2. Reid index is measured to diagnose
 - a. Chronic bronchitis
 - b. Emphysema
 - c. Asthma
 - d. Pneumonia
- 3. Serum differs from plasma as it lacks
 - a. Antibodies
 - b. Albumin
 - c. Clotting factor
 - d. Globulin
- 4. Bence Jones proteins are
 - a. Light chain
 - b. Heavy chain
 - c. Medium chain
 - d. All
- 5. Gamma-Gandy bodies seen in
 - a. Liver
 - b. Spleen
 - c. Kidney
 - d. Tumor



VINOBA BHAVE UNIVERSITY HAZARIBAG

APPOINTMENT LETTER FOR EXTERNAL / INTERNAL EXAMINER

Ref. No. VBU/EX/2830 12025

Dated : 20/11/25

To

The Dr./Prof. Anay Kumar
Prof. Dept of Pathology
SNMMC Dhamad

Dear Sir/Madam,

I have to inform you that you have been appointed External / Internal Examiner of MBBS Final Prof 2025(I) Examination (Pathology)
Practical at Dept of SNMMC Dhamad Examination Centre.
The Examination is scheduled be held from 02/12/25 to 04/12/25.

..... 11.00 a.m. T.A./D.A. and Remuneration will be paid at the centre of Examination on receipt of the sealed Marks and examined answer books.

You are requested to conduct the aforesaid practical examination in accordance with the provisions of the conduct of Examination Act. 1981 in time.

The Name of the other Examiner is Dr. Vinod Kumar

Yours Faithfully,
pkm
Controller of Examinations
Vinoba Bhave University
Hazaribag
20/11/25

Note :

1. It has been reported that some persons in spite of their presence at their head quarters do not report to the Centre to conduct the practical Examination. They are more or less responsible for dislocation of the Practical Examination. Therefore, such persons will not be able to claim examinership of practical Examination in future.
2. The appointment should not be accepted if your son/daughter or any ward is appearing at the said examination.



VINOBA BHAVE UNIVERSITY HAZARIBAG

APPOINTMENT LETTER FOR EXTERNAL / INTERNAL EXAMINER

Ref. No. VBU/EXI/283.R/2025

Dated : 20/11/25

To

The Dr./Prof. Vima Shanker Singh
Associate Prof Dept of Pathology
CMGM Medical College Jamshedpur

Dear Sir/Madam,

I have to inform you that you have been appointed External / Internal Examiner of B.B.S. (Undergrad 2025) Examination (Pathology)

Practical at Dept of S.B.M.C. Hazaribag Examination Centre.

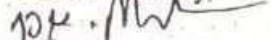
The Examination is scheduled be held from 02/12/25 to 04/12/25

..... 11.00 a.m. T.A./D.A. and Remuneration will be paid at the centre of Examination on receipt of the sealed Marks and examined answer books.

You are requested to conduct the aforesaid practical examination in accordance with the provisions of the conduct of Examination Act. 1981 in time.

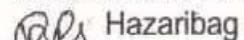
The Name of the other Examiner is Dr. Shilpa Chaurasia

Yours Faithfully,



Controller of Examinations

Vinoba Bhave University



Hazaribag



Note :

1. It has been reported that some persons in spite of their presence at their head quarters do not report to the Centre to conduct the practical Examination. They are more or less responsible for dislocation of the Practical Examination. Therefore, such persons will not be able to claim examinership of practical Examination in future.
2. The appointment should not be accepted if your son/daughter or any ward is appearing at the said examination.



VINOBA BHAVE UNIVERSITY HAZARIBAG

APPOINTMENT LETTER FOR EXTERNAL / INTERNAL EXAMINER

Ref. No. VBU/EX/..2830/2025

Dated : ..20/11/25.....

To

The Dr./Prof. Binod Kumar

Associate Prof. Binod

Dept of Pathology SBMC

H.Bag

Dear Sir/Madam,

I have to inform you that you have been appointed External / Internal Examiner of M.B.B.S. 2025(1) Prof. 2025(1) Examination (Pathology).....

Practical at .. Dept of SBMC H.Bag..... Examination Centre.

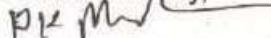
The Examination is scheduled be held from .. 2/11/25 to 4/12/25.....

..... 11.00 a.m. T.A./D.A. and Remuneration will be paid at the centre of Examination on receipt of the sealed Marks and examined answer books.

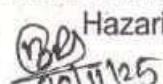
You are requested to conduct the aforesaid practical examination in accordance with the provisions of the conduct of Examination Act. 1981 in time.

The Name of the other Examiner is .. Dr. Aray Kumar.....

Yours Faithfully,



Controller of Examinations
Vinoba Bhave University
Hazaribag


20/11/25

Note :

1. It has been reported that some persons in spite of their presence at their head quarters do not report to the Centre to conduct the practical Examination. They are more or less responsible for dislocation of the Practical Examination. Therefore, such persons will not be able to claim examinership of practical Examination in future.
2. The appointment should not be accepted if your son/daughter or any ward is appearing at the said examination.



VINOBA BHAVE UNIVERSITY HAZARIBAG

APPOINTMENT LETTER FOR EXTERNAL / INTERNAL EXAMINER

Ref. No. VBU/EXI/2830/2025

Dated : 20/11/25

To

The Dr./Prof. Silbina Chavhan

Associate Prof. Dept of Pathology

SBMC - H.Bag

Dear Sir/Madam,

I have to inform you that you have been appointed External / Internal Examiner of MBBS Final year 2025 (1) Examination Pathology.

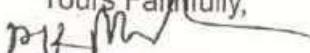
Practical at Dept of SBMC - H.Bag Examination Centre.

The Examination is scheduled be held from 02/12/25 to 07/12/25

..... 11.00 a.m. T.A./D.A. and Remuneration will be paid at the centre of Examination on receipt of the sealed Marks and examined answer books.

You are requested to conduct the aforesaid practical examination in accordance with the provisions of the conduct of Examination Act. 1981 in time.

The Name of the other Examiner is Dr. Vimal Swankew Singh

Yours Faithfully,

Controller of Examinations
Vinoba Bhave University
Hazaribag
20/11/25

Note :

1. It has been reported that some persons in spite of their presence at their head quarters do not report to the Centre to conduct the practical Examination. They are more or less responsible for dislocation of the Practical Examination. Therefore, such persons will not be able to claim examinership of practical Examination in future.
2. The appointment should not be accepted if your son/daughter or any ward is appearing at the said examination.

VINoba Bhave University, HAZARIBAG
Sheikh Bhikari Medical College, HAZARIBAG

11th PROF. M.B.B.S. PATHOLOGY PRACTICAL (ANNUAL) EXAMINATION.

Direction given during examination are to be followed.
(Time duration-1 hr 30 min).

1. Stain the provided blood smear with Leishman's stain.
Do a differential leucocyte count of at least 100 cells and report. D.L.C. 10
2. Perform chemical tests of provided urine sample and show at least two findings to the examiner. 10x2=20
3. Examine one histopathological slide provided. Identify the slide, write its description and draw a well labeled diagram. 10
4. Find out the blood group (ABO and RH) of the provided sample. 10

NOTE: Complete the exercise within the time allotted and get it signed by the examiner.
Histopathological slides, stained smears and question paper are to be left on the seat.

DEPARTMENT OF PATHOLOGY

Attendance of MBBS Students Practical & Viva Batch-2023-24

BATCH -A

S.no	UNIVERSITY ROLL NO.	Signature
1	241580736515	Anshu Meena
2	241580736516	Anshuman Kumar
3	241580736517	Anubhav Anand
4	241580736518	Ashmar Shahid
5	241580736519	Astha Toppo
6	241580736520	Abul Raj Javed
7	241580736521	Asli Kumar
8	241580736522	Dipshikha Anand
9	241580736523	Disha Sood
10	241580736524	Utkal
11	241580736525	Diksha Bharti
12	241580736526	Dikshant
13	241580736527	Dinayani
14	241580736528	Faiaz Alam
15	241580736529	Gaurav Singh
16	241580736530	Hamid Raza
17	241580736531	Harsh Gautam
18	241580736532	Insha
19	241580736533	Jishna Kumar
20	241580736534	Jyoti
21	241580736535	Kamlesh Mehta
22	241580736536	Kanak Reta
23	241580736537	Keshittip Singh
24	241580736538	Lalli Kumar
25	241580736539	MD. Parveen Raza
26	241580736540	Anjali Kumar
27	241580736541	Anshu Kumar
28	241580736542	Kalpana Chauhan
29	241580736543	OmRaj
30	241580736544	Utpal Kumar
31	241580736545	Gautam Kr. Beck
32	241580736546	Ishta Patel
33	241580736547	Jyoti Bora
34	231580731339	unnamed
35	231580731364	Pankaj Raghav

21/12/23

DEPARTMENT OF PATHOLOGY

Attendance of MBBS Students Practical & Viva Batch-2023-24

BATCH -B

S.no	UNIVERSITY ROLL NO.	Signature
34	241580736548	Kiran Deoann
35	241580736549	Manita Birsly
36	241580736551	BT
37	241580736552	Riddhi Sai
38	241580736553	Sakshi Kumar
39	241580736554	Cashazish Rochar
40	241580736555	Shuhani
41	241580736556	Shivam
42	241580736557	Sandeep
43	241580736558	Vivek Kumar
44	241580736559	Yashpal Singh
45	241580736560	Yash
46	241580736561	Arshakant
47	241580736562	Aman Kumar
48	241580736563	Anyali Kumari
49	241580736564	Khushboo
50	241580736565	Sohiya Parwaz
51	241580736566	Rishwanti
52	241580736567	
53	241580736568	Mousam Priya
54	241580736569	Muzanal Khatoun
55	241580736570	Muzen Jyoti
56	241580736571	Natima Sadiq
57	241580736572	Neha Kumar
58	241580736573	Nikhil Kumar
59	241580736574	Nishaan Kumari
60	241580736575	Omshant Kumar Parwan
61	241580736577	Priya Paul
62	241580736578	Rajni Oraon
63	241580736579	Randat Musome
64	241580736580	Rani Kumari
65	241580736581	
66	241580736582	

231580731403 Viral Bipin Parwan

31/2/25

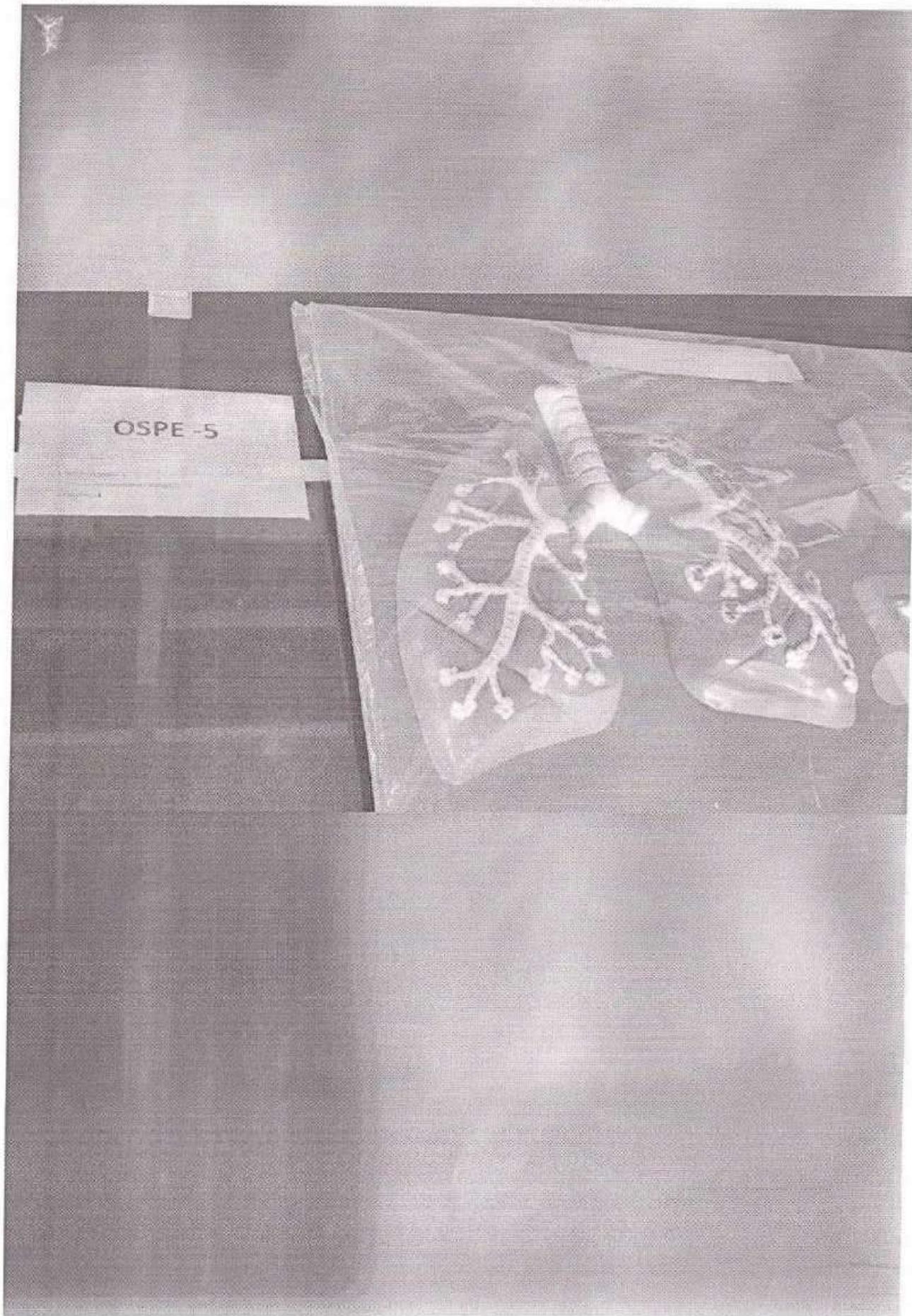
DEPARTMENT OF PATHOLOGY

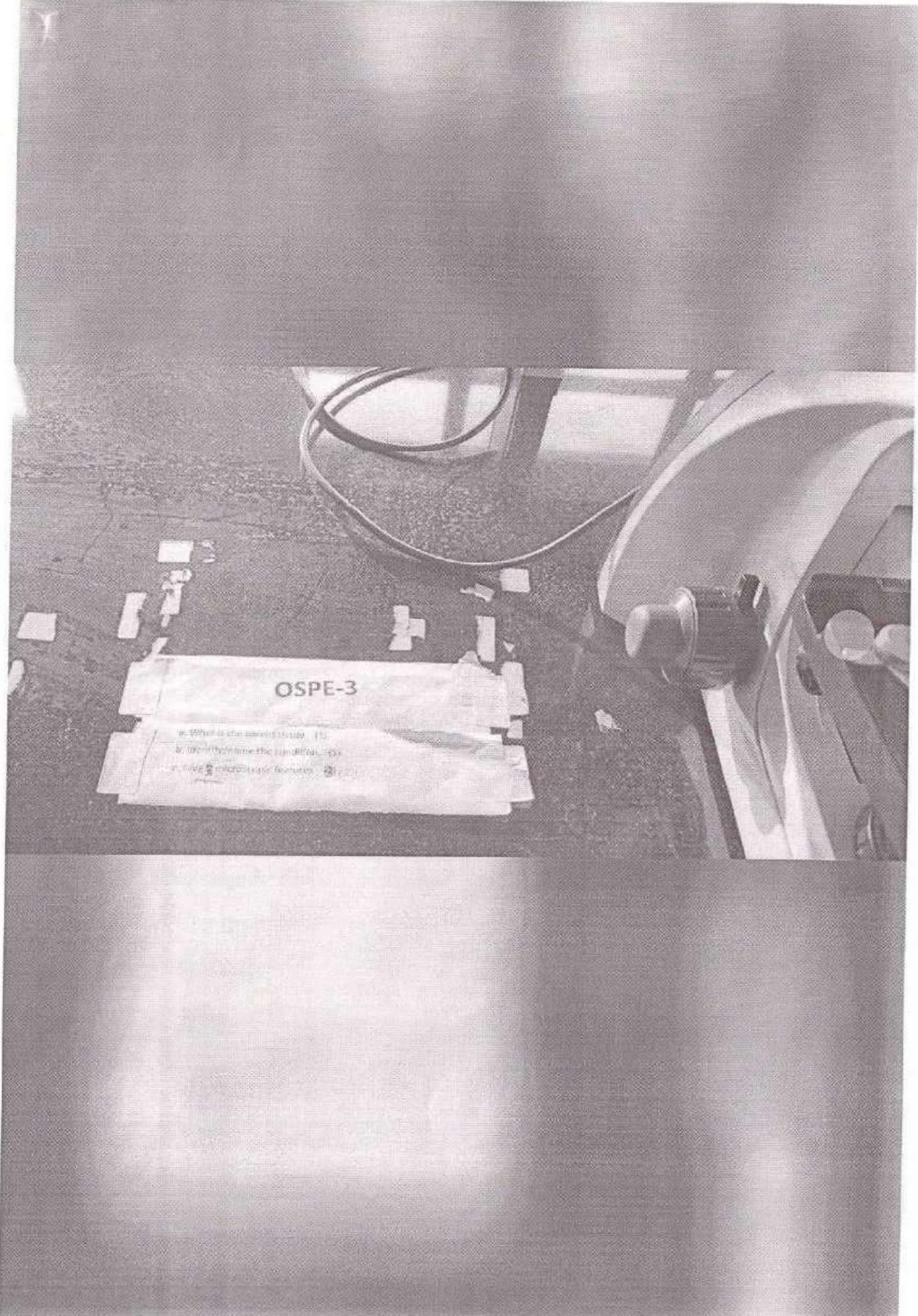
Attendance of MBBS Students Practical & Viva Batch-2023-24

BATCH -C

S.no	UNIVERSITY ROLL NO.	Signature
65	241580736581	<u>Anyra</u>
66	241580736582	<u>Rupa Rani</u>
67	241580736583	<u>Safali Khan</u>
68	241580736584	<u>Sannrem beynay.</u>
69	241580736585	<u>Sakshi</u>
70	241580736586	<u>Seema Patel</u>
71	241580736587	<u>Shalini Hembrom</u>
72	241580736588	<u>Shabhi Rani</u>
73	241580736589	<u>Shreyas Ahmed</u>
74	241580736590	<u>Shivang Kumar</u>
75	241580736591	<u>Shivangi</u>
76	241580736592	<u>Sudhansu</u>
77	241580736593	<u>Shweta</u>
78	241580736594	<u>Shweta Patel</u>
79	241580736595	<u>Shweta Rani</u>
80	241580736596	<u>Siddhanta Kumar</u>
81	241580736597	<u>Sneha</u>
82	241580736598	<u>Sonu</u>
83	241580736599	<u>Surbhi</u>
84	241580736600	<u>Swayam Mishra</u>
85	241580736601	<u>Tanu Kumar</u>
86	241580736602	<u>Tanya Patna</u>
87	241580736603	<u>Vijayal Binte</u>
88	241580736604	<u>Vivek Kumar</u>
89	241580736606	<u>Akshay Kumar Bhati</u>
90	241580736607	<u>Aditi K. Sopatra</u>
91	241580736608	<u>Affan Ahmad</u>
92	241580736609	<u>Affaf Ali</u>
93	241580736610	<u>Ajit Kumar</u>
94	241580736611	<u>Ajesh Dham</u>
95	241580736612	<u>Anon Raj</u>
96	241580736613	<u>Angul</u>
97	241580736614	<u>Anushka - Anushka</u>
101	231580731405	<u>Archana Patel</u>
102	231580731419	<u>Ansika Kumari</u>

21/12/25





OSPE-A

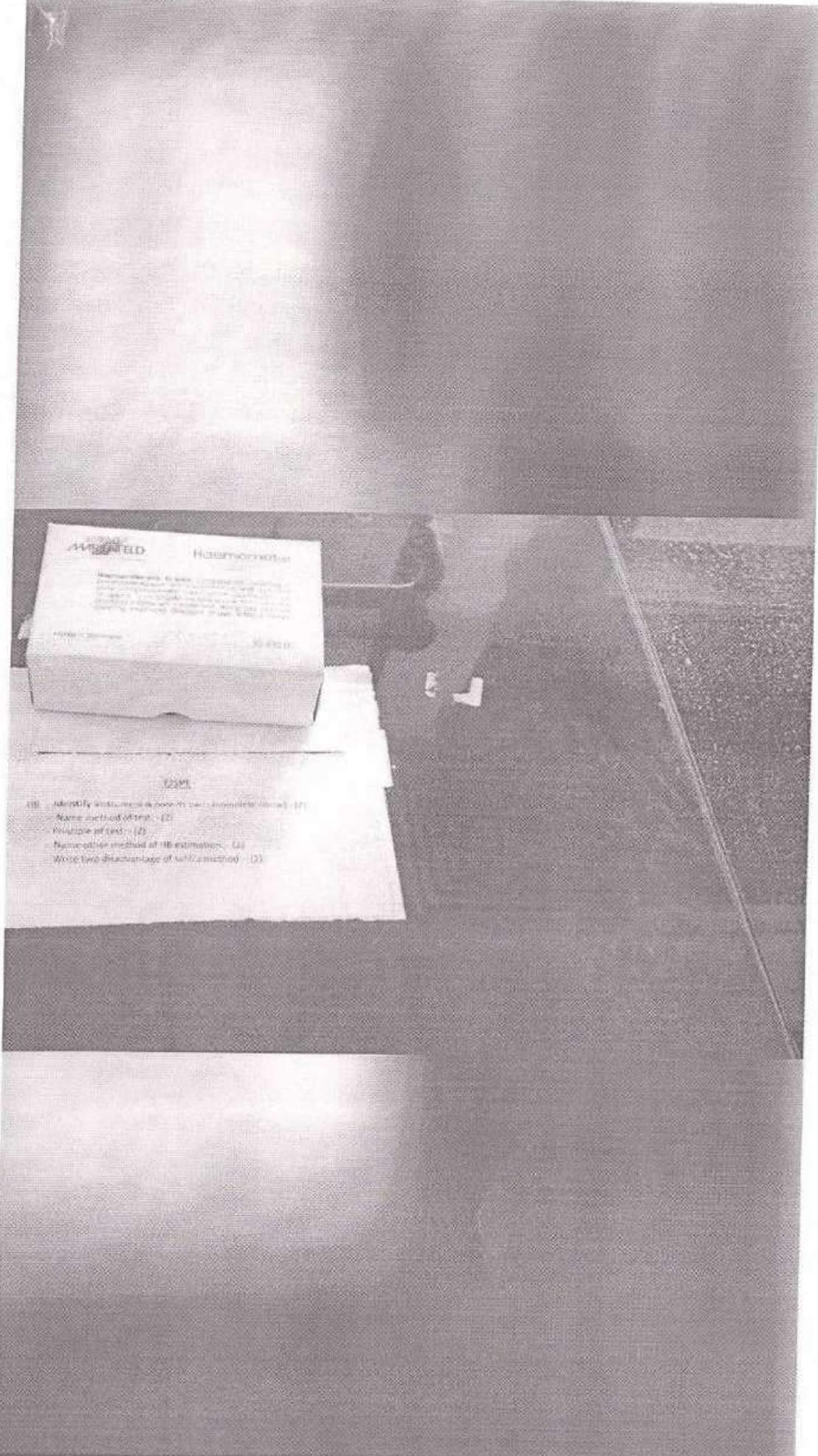
OSPE

Bone marrow aspiration:-

- I. Identifier of the instrument (write full name). - (1)
- II. 4 in ns of BMA. - (0)- 2
- III. Diff site of aspiration & most frequently used site in adu
- IV. Nar bone marrow needle. - (1)

OSPE-4

1. Which organ is seen in the given specimen? (1)
2. What is the pathological diagnosis? (2)
3. Comment on the pathological features? (2)



OSPE-1

35 year old female patient presenting
with the complaint of fatigue,
palpitation, headache, dizzy when
standing, was advised to go for Curtis
Subodh investigation.

Hb \rightarrow 7 gm/dl

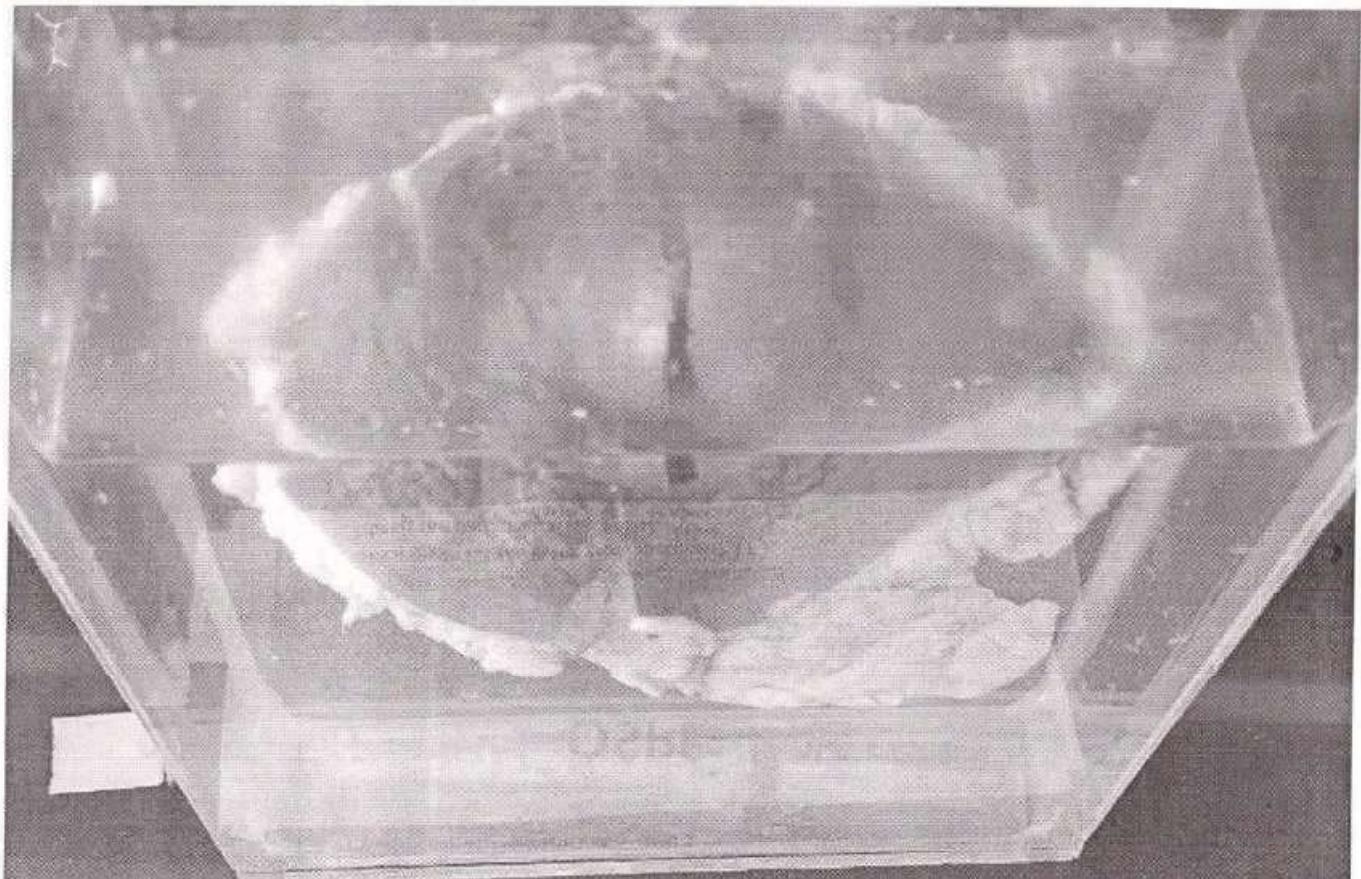
MCV \rightarrow 80 fl

MCCHC \rightarrow 28 pg

RDW \rightarrow

PBc - microcytic hypochromic

- ① what is your provisional diagnosis?
- ② Justify your diagnosis.
Ans: iron deficiency anemia

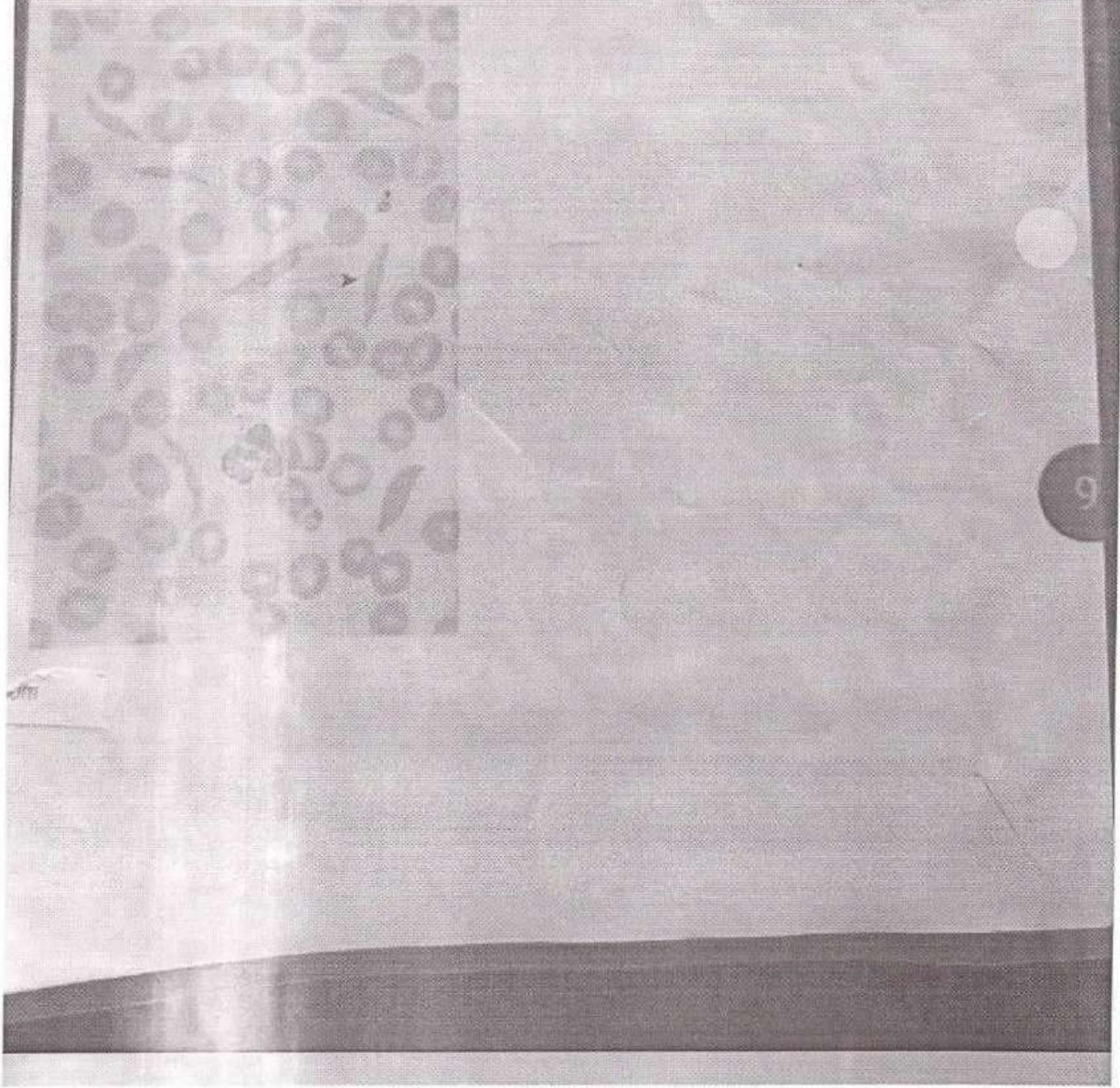


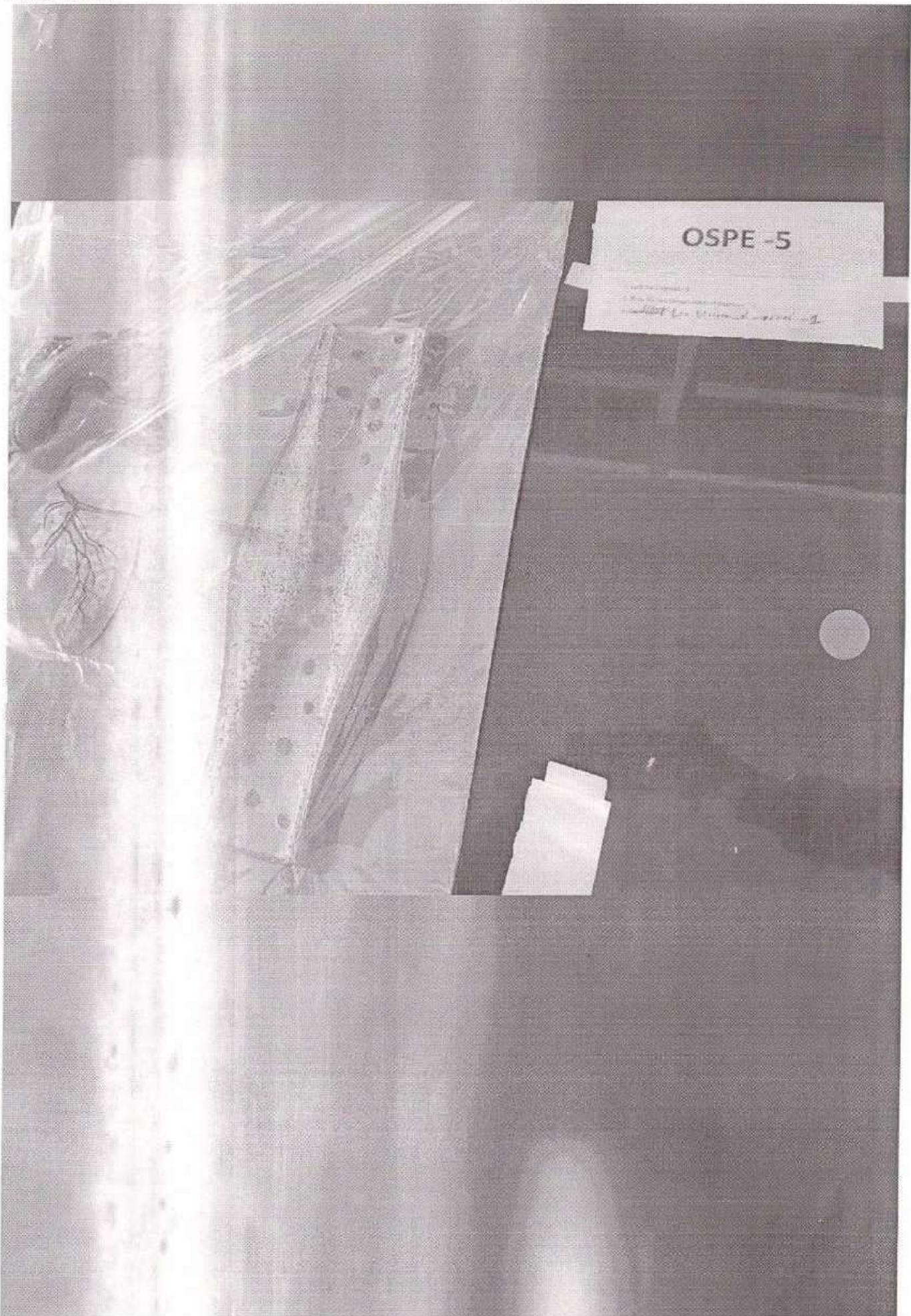
OSPE-4

1. Which organ is seen in the gross specimen? (1)
2. What is the pathological diagnosis? (1)
3. (a) of the following gross features? (2)

After developing mild dehydration after a diarrheal illness, a 9-year-old Bengalese girl develops sudden and severe extremity pain. She has a moderately enlarged spleen. Her hemoglobin level is 6.6 g/dL (nl 12 to 15.6 g/dL). Her peripheral blood smear is shown.

1. What is the diagnosis? What would hemoglobin electrophoresis show? 2
2. Why did she develop extremity pain? 1
3. What biliary tract complication can occur? 1





OSPE-3

- a. What is the parent tissue. (1)
- b. Identify/name the condition. (1)
- c. Give ~~3~~ microscopic features. (2)

NATIONAL MEDICAL COMMISSION
STANDARD ASSESSMENT FORM
FORM - C

File No: *pharma-46* / Assessment No.: 01

Date : *04/12/2025*

Name of Course : M.B.B.S second Professional

Name of Subject : Pharmacology

Name of College : Sheikh Bhikhari Medical College, Hazaribag, Jharkhand

Name of University : Vinoba Bhave University, Hazaribag

Place of examination : Sheikh Bhikhari Medical College, Hazaribag, Jharkhand

Date/s of examination : 02/12/2025 to 04/12/2025.

1. ASSESSORS

Sl.	Name	Official address	Mobile No.	email address
1	Dr. Supreeti Biswas Mondal Professor & Head	Dept.of Pharmacology, College of Medicine & Sagore Dutta Hospital, Kolkata - 700058	9874647942	supreeti.biswas.mondal@gmail.com
2	Dr. Mona Kumari Associate Professor, & Head	Dept. of Pharmacology, SNMMC, Dhanbad	9835735029	drmonakumari@gmail.com
3	Dr. Kusum Kumari Additional Professor	Dept.of Pharmacology, RIMS, Ranchi	8084378650	kusumdoctor79@gmail.com
4	Dr. Asish Kumar Biswas, Associate Professor & HOD	Dept. of Pharmacology SBMC,Hazaribag (On deputation MGM Medical College, Jamshedpur)	9934587426	asishbiswas7426@gmail.com

Assessment order/letter number: As per Public notice No.....

dated/...../..... issued by the NMC, New Delhi.

• Letter No. U-14021/01/2024-UNMEB, government of India, public notice dated 01/02/2024 & 09.02.2024 by director UNMEB.

(Chairmen cum assessor)

Supreeti Biswas Mondal

DR. SUPREETI BISWAS MONDAL
 Professor and Head
 Department of Pharmacology
 College of Medicine and Sagore Dutta Hospital
 Kolkata - 700058, Mobile: 9874647942

2. REPORT OF PREVIOUS ASSESSMENT

Deficiencies pointed out in the last Assessment/ if any	Remarks
NA	

A. Scheme of Examination		Marks allotted	Minimum passing marks
1. Theory:			
Final examination	:	200	80
Internal assessment	:	100	50
Total for Theory	:	200	80
2. Clinical/practical:			
Final examination	:	100	40
Internal assessment	:	100	50
Total for Practical	:	100	50
3. Viva-voce:			
Final examination	:	20	---
Internal assessment	:	-	
Total for Viva-voce	:	20	---
Grand Total : Theory 200			
+			
Practical 100			
300			
150			

Note:-

1. Internal Marks not included in the Total Theory and Practical final examination marks
2. Overall passing for final examination is 50% Aggregate in Theory & Practical with minimum 40% in theory / Practical.30 marks of Viva are included in final practical examination.

B. Theory (Attach 1 copy of each of the papers) annexure 1

1. Theory paper:	Subject:	Time: ___ Hrs.	Date of exam:
No. 1:	Pharmacology	3 hours	19/11/2025
No. 2:	Pharmacology	3 hours	21/11/2025
2. Place of conduct of exam.	: Multipurpose Examination Hall, VBU, Hazaribag		
3. Invigilation arrangements	: CCTV recording and University Observer		
4. No. of candidates appeared	: 98		

C. Remarks by the Assessor/s regarding:

- a) Nature of the questions—MCQs/SAQs/Structured Essay type/Long answers: **CBME based**
- b) Type of Questions – Recall based/Application based/Problem based: **Yes**
- c) Standard of questions - level of difficulty: Easy / Moderate / Difficult: **Moderate**
- d) Do they broadly cover the prescribed curriculum? **Yes**
- e) Standard of the answers: (On a scale of 10 where 0 = Very poor and 10 = Outstanding) **7**
- f) Internal assessment marks (to be reviewed by the assessors) that have contributed to final examination: **Yes**
- g) Method/Pattern of examination of internal examinations conducted during the course of training/study (to be clearly stated): **2 terminal examination + 1 pre university exam**
- h) Have the Internal assessment marks influenced the final examination? **No**

II. PRACTICAL / CLINICAL EXAMINATION: PRACTICAL

- a) Conduct of the practical examination (provide details including OSCE).
OSPE in accordance with CBME curriculum. All the competencies and core components has been covered which is certifiable.(**Annexure 2**)
- b) Does the practical examination broadly cover the discipline? **Yes**
- c) Time allotted for different sections of the examination (Provide details). **Yes**
(**Annexure 3**)
- d) Details of examiners: (please attach brief CV of the examiners).

Note: Provide this information in a sealed envelope marked confidential).

Names Qualification	Designation	Years of Experience as UG Teacher / Examiner
Internal examiners	Dr. Asish Kumar Biswas, Associate Professor & HOD Pharmacology, MGM, Medical College, Jamshedpur.	14 Years
External examiners	Dr. Supreeti Biswas Mondal Professor & HOD, Pharmacology, College of Medicine & Sagore Dutta Hospital, Kolkata.	26 Years
	Dr. Mona Kumari, Pharmacology, Associate Professor, SNMMC, Dhanbad.	8 Years
	Dr. Kusum Kumari, Pharmacology, Additional Professor, RIMS, Ranchi.	9 Years

- e) Mode of practical examination: In batches or otherwise and number of students per day (Provide details) 34/day 1, 33/day 2, 31/day 3
- f) Are there other examination centers in the same University: No
 - If yes, provide details.
- g) Do the same examiners conduct the examination in other centers too? No
 - If not. What steps are taken to ensure uniformity of standards? Are meetings of the examiners being conducted and guidelines are given by the University)
- h) Date of Examination in different centers. NA
- i) Date and time when the examination was inspected by the assessors. 02/12/25(SBMC,Hazaribag, Jharkhand), 03/12/25(SBMC, Hazaribag, Jharkhand), 04/12/25 (SBMC, Hazaribag, Jharkhand)
- j) Are the invigilation arrangements satisfactory? YES
- k) No. of candidates appeared. 98
- l) Number and type of practical exercises allotted to candidates (enclose copy of questions/tasks) (Annexure 3)
- m) The standard displayed (On a scale of 10 where 0 = Very poor and 10 = Outstanding)
- n) Minimum marks required for passing: practical- 40, viva-10

PRACTICAL-

1. No of Long cases NA
2. No of Short cases NA
3. How many cases were given to each candidate – long and short cases? NA
4. Type of cases given (attach list of long and short cases) NA
5. Average time for (long cases and short cases) for each Candidate. NA
 - a. Time for examining the patient NA
 - b. Time for discussion fixed time or changed as per the answers of the candidate. NA
6. How was the assessment done? NA
7. Standard displayed by candidates in general in the clinical part of the examination.(On a scale of 10 where 0 = Very poor and 10 = Outstanding) NA
8. Nature of Discussion of case by the candidate – level of difficulty of questions (On a scale of 10 where 0 = Very easy and 10 = very difficult) NA
 - a. Number & type of questions (a copy of the question asked by the examiners may be attached) NA

- b. Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question? NA
- c. Was the discussion fair, searching and sufficient for the assessment of practical knowledge and skills? NA
- d. Was the atmosphere friendly and allowed the candidates to express themselves freely? NA
- e. Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates? NA

9. Was the assessment done jointly by more than one Examiner? **Yes**

10. How many marks are allotted for clinical examination? NA

11. What is the minimum percentage for passing the clinical part? NA

12. Are marks obtained in regular internal examinations added on to the marks obtained in the final clinical examination? NA

13. Were any other marks from their course of training, or clinical works done in the wards added to the marks obtained in the final clinical examination? NA

14. If so, to what extent (in percentage of marks)? NA

15. Has it influenced the result at the final examination? NA
(Method of assessment of clinical work in the wards may be clearly stated). NA

VIVA-VOICE

1. The content of the interaction (Give extent of coverage of subject) **This is in accordance to University norms which include core and competency based as per CBME curriculum**
2. How was it conducted (provide details)? **One on one interaction as per CBME**
3. What was the standard? (On a scale of 10 where 0 = Very poor and 10 = Outstanding). **7**
4. What was the nature of assessment? **Summative**
5. Was it done jointly by more than one examiner? **Yes**
6. How are the marks obtained in different parts of the examination grouped?
(Annexure3)
7. What is the minimum for passing in each section and in the grand total? **50%**
8. Results for the last three years. **Held for one year**

Sl. No	Batch	Year of exam
1	2019	2022
2	2021	2022
3	2022	2023

9. No. of students appeared?

1. 2019 Batch – 99
2. 2021 Batch – 100
3. 2022 Batch – 100

10. No. of students passed?

1. 2019 Batch – 99
2. 2021 Batch – 100
3. 2022 Batch - 98

11. Other remarks if any. No

Conclusions:

Was the standard sufficient for the M.B.B.S. examination as required by Regulations of the Medical Council of India/National Medical Commission? Yes

Was the examination conducted satisfactorily to the assessor? Yes

If not, the reasons to be mentioned:

Observations of the assessors are to be made in assessment report only.

✓ 04/12/2025
 Supreeti Biswas Mondal

DR. SUPREETI BISWAS MONDAL

Professor and Head
 Department of Pharmacology
 College of Medicine and Sagore Dutta Hospital
 Kolkata - 700058, Mobile: 9874647942

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VINOBA BHAVE UNIVERSITY HAZARIBAG

APPOINTMENT LETTER FOR EXTERNAL / INTERNAL EXAMINER

Ref. No. VBU/EXI/2830/2025

Dated: 20/11/25

To

The Dr./Prof. KUSUM KUMARI

Additional Prof. of Clinical Pharmacology

RIMS, Ranchi

Dear Sir/Madam,

I have to inform you that you have been appointed External / Internal Examiner of M.B.B.S. and M.D. (2025) Examination of Pharmacology.

Practical at Dept. of S.B.M.C. Ranchi Examination Centre.

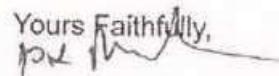
The Examination is scheduled to be held from 02/12/25 to 07/12/25.

..... 11.00 a.m. T.A./D.A. and Remuneration will be paid at the centre of Examination on receipt of the sealed Marks and examined answer books.

You are requested to conduct the aforesaid practical examination in accordance with the provisions of the conduct of Examination Act. 1981 in time.

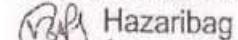
The Name of the other Examiner is Dr. ASISH KUMAR BISWAJIT

Yours Faithfully,

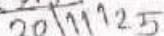


Controller of Examinations

Vinoba Bhave University



Hazaribag



20/11/25

Note:

1. It has been reported that some persons in spite of their presence at their head quarters do not report to the Centre to conduct the practical Examination. They are more or less responsible for dislocation of the Practical Examination. Therefore, such persons will not be able to claim examinership of practical Examination in future.
2. The appointment should not be accepted if your son/daughter or any ward is appearing at the said examination.



VINOBA BHAVE UNIVERSITY HAZARIBAG

APPOINTMENT LETTER FOR EXTERNAL / INTERNAL EXAMINER

Ref. No. VBU/EXI/2830/2025

Dated: 20/11/25

To

The Dr./Prof. Suresh Biswas Mondal
Prof & Head Dept of Pharmacology
coll. of Medicine & Surgery Datta
Hospital Kolkata

Dear Sir/Madam,

I have to inform you that you have been appointed External / Internal Examiner of MBBS (Final Prof 2025) Examination Pharmacology.
Practical at Dept. of SBMC. H.N.Y.I.G. Examination Centre.
The Examination is scheduled to be held from 02/12/25 to 01/12/25.

..... 11.00 a.m. T.A./D.A. and Remuneration will be paid at the centre of Examination on receipt of the sealed Marks and examined answer books.

You are requested to conduct the aforesaid practical examination in accordance with the provisions of the conduct of Examination Act. 1981 in time.

The Name of the other Examiner is Dr. Asish Kumar Biswas

Yours Faithfully,

Controller of Examinations
Vinoba Bhave University

20/11/25

Note :

1. It has been reported that some persons in spite of their presence at their head quarters do not report to the Centre to conduct the practical Examination. They are more or less responsible for dislocation of the Practical Examination. Therefore, such persons will not be able to claim examinership of practical Examination in future.
2. The appointment should not be accepted if your son/daughter or any ward is appearing at the said examination.



VINOBA BHAVE UNIVERSITY HAZARIBAG

APPOINTMENT LETTER FOR EXTERNAL / INTERNAL EXAMINER

Ref. No. VBU/EXI/2830/2025

Dated: 20/11/25

To

The Dr./Prof. Mona Kumari
Associate professor & HOD
Dept. of Pharmacology
SNMMC Dharwad

Dear Sir/Madam,

I have to inform you that you have been appointed External / Internal Examiner of MBBS 2025 (1) Examination Pharmacology.

Practical at Dept. of SNMMC W.Bag Examination Centre.

The Examination is scheduled to be held from 02/12/25 to 07/12/25.

11.00 a.m. T.A./D.A. and Remuneration will be paid at the centre of Examination on receipt of the sealed Marks and examined answer books.

You are requested to conduct the aforesaid practical examination in accordance with the provisions of the conduct of Examination Act, 1981 in time.

The Name of the other Examiner is Dr. Asish Kumar Viswas

Yours Faithfully,

pk

Controller of Examinations

Vinoba Bhave University

VBU Hazaribag

20/11/25

Note:

1. It has been reported that some persons in spite of their presence at their head quarters do not report to the Centre to conduct the practical Examination. They are more or less responsible for dislocation of the Practical Examination. Therefore, such persons will not be able to claim examinership of practical Examination in future.
2. The appointment should not be accepted if your son/daughter or any ward is appearing at the said examination.



VINOBA BHAVE UNIVERSITY HAZARIBAG

APPOINTMENT LETTER FOR EXTERNAL / INTERNAL EXAMINER

Ref. No. VBU/EXI/2830/2025

Dated: 20/11/25

To

The Dr./Prof. Nishikumar Biswas
Associate Prof. Dept. of Immunology
SVMC, Mumbai

Dear Sir/Madam,

I have to inform you that you have been appointed External / Internal Examiner of MBBS Final 2025 Examination (Immunology)
Practical at Dept. of SVMC, Mumbai Examination Centre
The Examination is scheduled to be held from 02.12.25 to 03.12.25.

..... 11.00 a.m. T.A./D.A. and Remuneration will be paid at the centre of Examination on receipt of the sealed Marks and examined answer books.

You are requested to conduct the aforesaid practical examination in accordance with the provisions of the conduct of Examination Act. 1981 in time.

The Name of the other Examiner is (1) Dr. Shilpa K. Biswas Mondal

(2) Dr. Monal Kulkarni

(3) Dr. Kusum Kulkarni

Yours Faithfully,

Pr. M. W.

Controller of Examinations

Vinoba Bhave University

NBF Hazaribag

20/11/25

Note :

1. It has been reported that some persons in spite of their presence at their head quarters do not report to the Centre to conduct the practical Examination. They are more or less responsible for dislocation of the Practical Examination. Therefore, such persons will not be able to claim examinership of practical Examination in future.
2. The appointment should not be accepted if your son/daughter or any ward is appearing at the said examination.



**CV of Internal/External Examiners, Department Of
Pharmacology**

INTERNAL EXAMINERS

Sr. no.	Name	Post	Mobile no	Institute email id	Personal email id	Yr. of post PG teaching experience
1	Dr. Asish Kumar Biswas	Professor MGM Medical College, Jamshedpur)	9934587426	hazaribagmedicalcollege@gmail.com	Asishbiswas7426@gmail.com	20 Years

EXTERNAL EXAMINERS

Sr. no.	Name	Post	Mobile no	Institute email id	Personal email id	Yr. of post PG teaching experience
1	Dr. Supreeti Biswas Mondal	Professor and Head Department of Pharmacology College of Medicine and Sagore Dutta Hospital Kolkata - 700058	9874647942	principal.sdmch@gmail.com	supreeti.biswas.mondal@gmail.com	26 Years
2	Dr. Mona Kumari	Associate Professor and Head, Department of Pharmacology, SNMMC Dhanbad	9835735029	Principalpmc@gmail.com	drmonakumari@gmail.com	17 Years
3	Dr. Kusum Kumari	Additional Professor Department of Pharmacology RIMS Ranchi	8084378650	rimsranchi@rediffmail.com	kusumdoctor79@gmail.com	17 Years

*Supreeti Biswas Mondal
04-12-25*

DR. SUPREETI BISWAS MONDAL
 Professor and Head
 Department of Pharmacology
 College of Medicine and Sagore Dutta Hospital
 Kolkata - 700058, Mobile: 9874647942

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4-12-25*

*Asish Biswas -
4-12-25
4/12/25*



MARKS DISTRIBUTION FOR UNIVERSITY EXAMINATION

Sr. No.	Name	Marks
1.	Spotting	10
2.	Prescription writing	10
3.	Dose Calculation	05
4.	ADR	10
5.	Prescription Audit	05
6.	CAL LAB	10
7.	Drug Promotion literature	05
8.	Manikin	10
9.	Communication - ORS	05
10.	Practical & Logbook	10
11.	Viva	20
		Total – 100 Marks

Dated: - ____ / ____ /2025.

HOD Pharmacology
Sheikh Bhikhari Medical College,
Hazaribag

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Programme for 2nd Professional MBBS 2025 (I) Examination

Practical Pharmacology Batch - 2023

Full Marks 100

Dated: - 02/12/2025

1. **Spotting.** 10 Marks
2. Write a legible prescription for a 30 yr male suffering from cough & fever for at least 6 weeks. His sputum examination shows acid fast bacilli. 10 Marks
3. Calculate the dose of paracetamol to be given to a child who is 12 months old for fever. Dose for adults is 500 mg per day dose. 5 Marks
4. Fill the given ADR form by following information: 10 Marks

A 45 years old man, Ram Kumar develops maculopapular rash over his body after taking Tablet Cotrimoxazole (Trimethoprim + Sulphamethoxazole) 24 hours back. He comes to your clinic, you prescribe hydrocortisone ointment & withdraw the drug. The symptoms subside. Fill the ADR provided in ADR form.
5. **Prescription Audit.** 5 Marks

Mrs. Mohan	Dr. Ram Kumar
Male,	MBBS, MD
Gandhi Nagar, Hazaribag	Reg. No.: 59488
	City Centre Hazaribag
Rx	Date 01/01/25
	Diagnosis

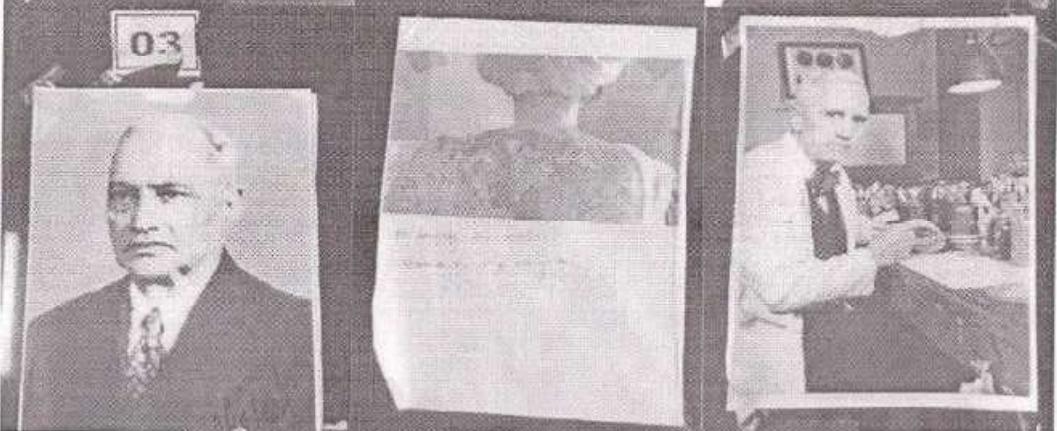
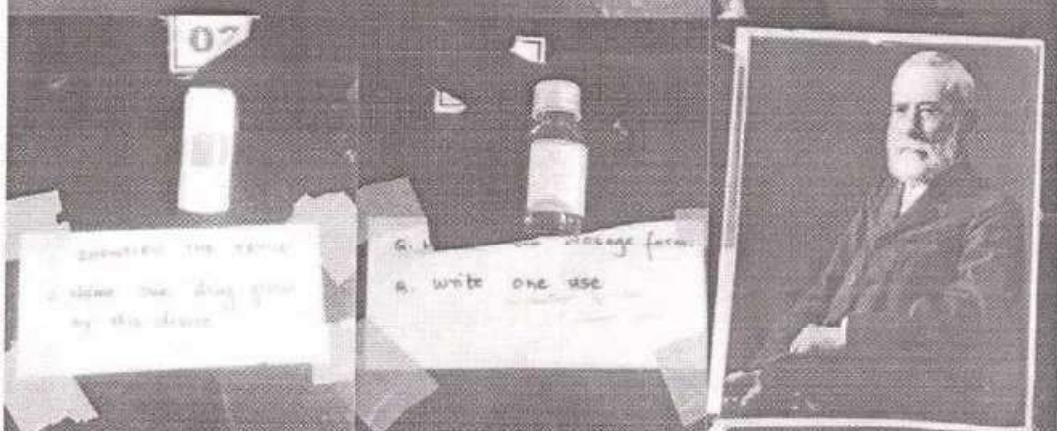
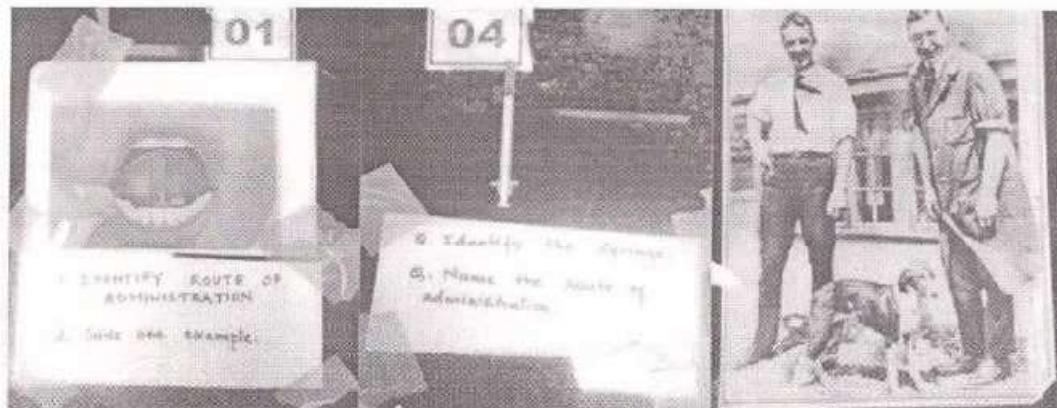
1. Tablet Ciprofloxacin 500 mg
 Twice daily
 2. Tablet Paracetamol 500 mg

(Sign)
 01/01/25
6. **CAL LAB.** 10 Marks
 - Explain graphic report of Adrenaline.
 - Explain Dale's vasomotor reversal phenomena
7. **Drug promotional literature.** 5 Marks
8. Mannequin → drug administration: IM/IV. 10 Marks
9. Communication: → ORS. 5 Marks
10. Practical book & Logbook 10 Marks
11. Viva 20 Marks

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Programme for 2nd Professional MBBS 2025 (I) Examination

Practical Pharmacology Batch - 2023

Full Marks 100

Dated: - 03/12/2025

1. Spotting. 10 Marks
2. Prescribe for a patient of 30 years old suffering from fever for more than 1 week, having relative Bradycardia Temp: 102°F Pulse: 84/min Widal test: positive. 10 Marks
3. Calculate the dose of paracetamol to be given to a child who is 10 months old for fever. Dose for adult is 500 mg per dose. 5 Marks
4. Fill the given ADR form by following information: 10 Marks
A 48 years old man, Soham Kumar develops maculopapular eruptions with itching after taking Tablet ofloxacin 400 mg 24 hours back. He comes to your clinic, you prescribe Tablet cetirizine 10 mg & withdraw the drug & eruptions gradually subsides.
5. Prescription Audit 5 Marks
Mrs. Shyam Kumar
Male
Gandhi Nagar, Hazaribag Dr. Rohan Das
MBBS, MD
Reg. No.: 58426
Sadar More, Hazaribag
Date 03/12/25
Diagnosis - A newly diagnosed case of Pulmonary T.B.
- Rx
 - Tablet Isoniazid 300 mg
 - Tablet Rifampicin 450 mg
 - Tablet Pyrazinamide 750 mg
 - Tablet Ethambutol 800 mg
 - Tablet Pyridoxine 10 mg
6. CAL LAB 10 Marks
 - i. Biphasic response of adrenaline.
 - ii. How it differs from response of noradrenaline.
7. Drug promotional literature. 5 Marks
8. Mannequin → IM / SC. 10 Marks
9. Communication → A pt of Tuberculosis refusing to take drugs. 5 Marks
10. Practical book & Logbook . 10 Marks
11. Viva 20 Marks

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Programme for 2nd Professional MBBS 2025 (I) Examination

Practical Pharmacology Batch - 2023

Full Marks 100

Dated: - 04/12/2025

1. Spotting. 10 Marks
2. Prescribe for a patient of 40 years old suffering from cough & breathlessness, having wheeze. On auscultation: Diagnosis → Asthma with acute attack. 10 Marks
3. Calculate the dose of paracetamol to be given to a child who is 6 months old for fever. Dose for adult is 500 mg per dose. 5 Marks
4. Fill the given ADR form by following information: 10 Marks
A 50 years old female, Sushma Kumari developed maculopapular rash with itching after taking Capsule Ampicillin 250 mg thrice for last 2 days. He comes to your clinic, you prescribe tablet cetirizine 10 mg & on withdraw the drug, eruptions/rash subsided gradually.
5. Prescription Audit 5 Marks

Mr. Ram Kumar	Dr. Ramesh Kumar
Male	MBBS, MD
Ganesh Nagar, Hazaribag	Reg. No.: 78922
Rx	Sadar, Hazaribag
i. Capsule Omeprazole 20 mg	Date 03/0825
ii. 2. Tablet Clarithromycin 500 mg	Diagnosis - A case of H. pylori
iii. Capsule Ampicillin 500 mg	positive Peptic ulcer.
6. CAL LAB 10 Marks
 - i. Biphasic response of Adrenaline.
 - ii. Monophasic response of Nor-Adrenaline.
7. Drug promotional literature. 5 Marks
8. Mannequin → IV / SC. 10 Marks
9. Communication → A patient of Diabetes mellitus to adhere to the treatment. . 5 Marks
10. Practical book & Logbook . 10 Marks
11. Viva . 20 Marks

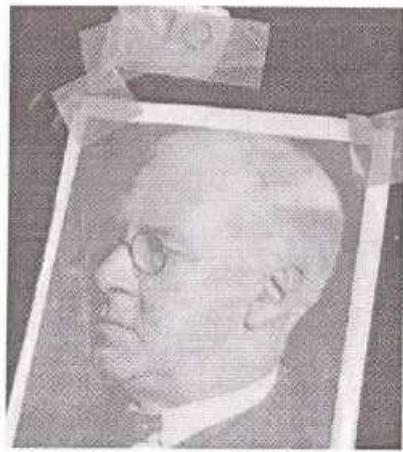
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Date: 04/12/20



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Department of Pharmacology
SHEIKH BHIKHARI MEDICAL COLLEGE & HOSPITAL, HAZARIBAG
Email: - pharmacologysbmc@gmail.com



2ND PROFESSIONAL MBBS 2025 (I) EXAMINATION
GROUP A PRACTICAL & VIVA

Sr. No.	Name of Students	University Roll no.	Signature
1	ANSHU MEENA	241580736515	<i>Anshu Meena</i>
2	ANSHUMAAN KUMAR	241580736516	<i>Anshuman Kumar</i>
3	ANUBHAV ANAND	241580736517	<i>Anubhav Anand</i>
4	ASHHAR SHAHID	241580736518	<i>Ashhar Shahid</i>
5	ASTHA TOPPO	241580736519	<i>Astha Toppo</i>
6	ATUL RAJ JAISWAL	241580736520	<i>Atul Raj Jaiswal</i>
7	AYUSH KUMAR	241580736521	<i>Ayush Kumar</i>
8	AYUSHI ANAND	241580736522	<i>Ayushi Anand</i>
9	BITTU RAAZ	241580736523	<i>Bittu Raaz</i>
10	CHANDANI KUMARI	241580736524	<i>Chandani Kumari</i>
11	DIKSHA BHARTI	241580736525	<i>Diksha Bharti</i>
12	DIKSHANT BHAGAT	241580736526	<i>Dikshant Bhagat</i>
13	DIVYA RANI	241580736527	<i>Divya Rani</i>
14	FAIAZ ALAM	241580736528	<i>Faiaz Alam</i>
15	GAURAV SINGH	241580736529	<i>Gaurav Singh</i>
16	HAMID RAZA	241580736530	<i>Hamid Raza</i>
17	HARSH GAUTAM	241580736531	<i>Harsh Gautam</i>
18	INSHA PARWEEN	241580736532	<i>Insha Parween</i>
19	JISHNA KUMARI	241580736533	<i>Jishna Kumari</i>
20	JIYA RAVI	241580736534	<i>Jiya Ravi</i>
21	KAMLESH MEHRA	241580736535	<i>Kamlesh Mehra</i>
22	KANAK LATA	241580736536	<i>Kanak Lata</i>
23	KSHITIJ RANJAN	241580736537	<i>Kshitij Ranjan</i>
24	LADLI KUMARI	241580736538	<i>Ladli Kumari</i>
25	MD DANISH RAZA	241580736539	<i>M D. Danish Raza</i>
26	ANJALI KUMARI	241580736540	<i>Anjali Kumari</i>
27	ANSHU KUMAR	241580736541	<i>Anshu Kumar</i>
28	KALPANA CHAWLA	241580736542	<i>Kalpana Chawla</i>
29	DEVRAJ MATHURIYA	241580736543	<i>Devraj Mathuriya</i>
30	DIPAK KUMAR VERMA	241580736544	<i>Dipak Kumar Verma</i>
31	GAUTAM KUMAR BECK	241580736545	<i>Gautam Kumar Beck</i>
32	ISHA MARDI	241580736546	<i>Isha Mardi</i>
33	JYOTS BARAIK	241580736547	<i>Jyots Baraiik</i>
34	MANISH KUMAR VISHWARKARMA	231580731339	<i>Manish Vishwarkarma</i>

Dated: - 03/12/2025

03/12/25

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3/12/25*

*HOD Pharmacology
Sheikh Bhikhari Medical College,
Hazaribag*

*Asish
03/12/25*



Department of Pharmacology
SHEIKH BHIKHARI MEDICAL COLLEGE & HOSPITAL, HAZARIBAG
Email: - pharmacologyshmc@gmail.com



2ND PROFESSIONAL MBBS 2025 (I) EXAMINATION
GROUP B PRACTICAL & VIVA

Sr. No.	Name of Students	University Roll no.	Signature
1	KIRAN ORAON	241580736548	Kiran Oraon
2	MANITA BIRULY	241580736549	Manita Biruly
3	RAJ KUMAR	241580736551	Raj Kumar
4	RIDDHI SAI	241580736552	Riddhi Sai
5	SAKSHI KUMARI	241580736553	Sakshi Kumari
6	SARBASISH ROSHAN	241580736554	Sarbassis Roshan
7	SHAMBHAVI SUHANI	241580736555	Shambhavi Suhani
8	SHIVAM KUMAR	241580736556	Shivam Kumar
9	SWATI TOPPO	241580736557	Swati Toppo
10	UJJWAL KUMAR	241580736558	Ujjwal Kumar
11	YASHPAL SINGH	241580736559	Yashpal Singh
12	ADITI XAXA	241580736560	Aditi Xaxa
13	AJIT BHARTI	241580736561	Ajit Bharti
14	AMAN KUMAR	241580736562	Aman Kumar
15	ANJALI KUMARI	241580736563	Anjali Kumari
16	KHUSHBOO	241580736564	Khushboo
17	SANIYA PARWEZ	241580736565	Saniya Parwez
18	AISHWARYA	241580736566	Aishwarya
19	MOHIT MEENA	241580736567	Moheet Meena
20	MOUSAM PRIYA	241580736568	Mousam Priya
21	MUSARRAT KHATOON	241580736569	Musarrat Khatoon
22	MUSKAN JYOTI	241580736570	Muskan Jyoti
23	NAIMA SADAF	241580736571	Naima Sadaf
24	NEHA KUMARI	241580736572	Neha Kumari
25	NIKHIL KUMAR	241580736573	Nikhil Kumar
26	NISHA KUMARI	241580736574	Nisha Kumari
27	OM SHANKAR KUMAR PAWAN	241580736575	Omshankar Kumar, Pawan
28	PRIYA PAUL	241580736577	Priya Paul
29	RAJU ORAON	241580736578	Raju Oraon
30	RAMDAS MURMU	241580736579	Ramdas Murmu
31	RANI KUMARI	241580736580	Rani Kumari

Dated: - 04/12/2025

Moht
04/12/25

Kiran Oraon
04/12/25 *Moht*
04/12/25

Aishwarya
04/12/25
 HOD Pharmacology
 Sheikh Bhikhari Medical College,
 Hazaribag



2ND PROFESSIONAL MBBS 2025 (I) EXAMINATION
GROUP C PRACTICAL & VIVA

Sr. No.	Name of Students	University Roll no.	Signature
1	RIYA RITIKA	241580736581	<i>Riya Ritika</i>
2	RUPA RANI MAHTO	241580736582	<i>Rupa Rani</i>
3	SAIF ALI KHAN	241580736583	<i>Saif Ali Khan</i>
4	SAMRESH KUMAR	241580736584	<i>Samresh Kumar</i>
5	SAKSHI	241580736585	<i>Sakshi</i>
6	SEEMA PATEL	241580736586	<i>Seema Patel</i>
7	SHALINI HEMBROM	241580736587	<i>Shalini Hembrom</i>
8	SHASHI RANI	241580736588	<i>Shashi Rani</i>
9	SHEYNAAZ AHMAD	241580736589	<i>Sheynaz Ahmad</i>
10	SHIVAM KUMAR	241580736590	<i>Shivam Kumar</i>
11	SHIVANGI SINGH	241580736591	<i>Shivangi Singh</i>
12	SHUBHAM PRAKASH	241580736592	<i>Shubham Prakash</i>
13	SHWETA	241580736593	<i>Shweta</i>
14	SHWETA PATEL	241580736594	<i>Shweta Patel</i>
15	SHWETA RANI	241580736595	<i>Shweta Rani</i>
16	SIDDHARTH KUMAR	241580736596	<i>SiddhARTH Kumar</i>
17	SNEHA PRAJAPATI	241580736597	<i>Sneha</i>
18	SONU YADAV	241580736598	<i>Sonu</i>
19	SURUCHI KUMARI	241580736599	<i>Suruchi</i>
20	SURYANK MISHRA	241580736600	<i>Suryank Mishra</i>
21	TANNU KUMARI	241580736601	<i>Tannu Kumari</i>
22	TANU PRIYA	241580736602	<i>Tanu</i>
23	UJJWAL PRINCE	241580736603	<i>Ujjwal Prince</i>
24	VIVEK KUMAR	241580736604	<i>Vivek Kumar</i>
25	ABHINAY KUMAR BHARTI	241580736606	<i>Abhinay Kumar Bharti</i>
26	ADITI KISPOTTA	241580736607	<i>Aditi Kispotta</i>
27	AFFAN AHMAD	241580736608	<i>Affan Ahmad</i>
28	AFTAB URUZ	241580736609	<i>Aftab uruz</i>
29	AJIT KUMAR	241580736610	<i>Ajit Kumar</i>
30	AKASH ORAON	241580736611	<i>Akash Oraon</i>
31	AMAN RAJ	241580736612	<i>Aman Raj</i>
32	ANGEL SHIKHA XALXO	241580736613	<i>Angel Xalxo</i>
33	ANISH KUMAR GUPTA	241580736614	<i>Anish Gupta</i>

Dated: - 02/12/2025

02.12.25

*Kushal
2/12/25*

02/12/25

Dr. Azish ur Rehman
HOD Pharmacology
Sheikh Bhikhari Medical College,
Hazaribag



02/12/2025 to 04/12/2025

FEEDBACK FORM FOR EXAMINER

Name of the Examiner:- Dr Mona Kumar

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Standard of the answers*	8
ii.	The standard of the Theory / Practical Examination displayed*	9
iii.	How many cases were given to each candidate – long and short cases?	
iv.	Type of cases given	
v.	How was the assessment done ?	Viva, practical, OSPE
vi.	Nature of Discussion of case by the candidate – level of difficulty of question*	
vii.	Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question	✓ Yes/ No
viii.	Was the assessment done jointly by more than one examiner?	✓ Yes/ No
ix	Detailed process of Viva – voice conducted	✓ Yes/ No

Mona Kumar
4.12.25

Signature of the Examiner:



02/12/2025 to 04/12/2025

FEEDBACK FORM FOR EXAMINER

Name of the Examiner:- 2nd Professional MBBS 2025 (I)
*(On a scale of 10 where 0= Very poor and 10 = Outstanding) DR. SUPREETI BISWAS MONDAL
Professor

Sr. No.	Feedback	Remarks
i.	Standard of the answers*	8
ii.	The standard of the Theory / Practical Examination displayed*	10
iii.	How many cases were given to each candidate – long and short cases?	—
iv.	Type of cases given	—
v.	How was the assessment done ?	Written, OSPE & Viva
vi.	Nature of Discussion of case by the candidate – level of difficulty of question*	8
vii.	Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question	✓ Yes/ No
viii.	Was the assessment done jointly by more than one examiner?	✓ Yes/ No
ix	Detailed process of Viva – voice conducted	✓ Yes/ No

Signature of the Examiner:

Supreeti Biswas Mondal
04/12/25

DR. SUPREETI BISWAS MONDAL

Professor and Head,
Department of Pharmacology
College of Medicine and Sagore Dutta Hospital
Kolkata - 700058, Mobile: 9874847942



02/12/2025 to 04/12/2025

FEEDBACK FORM FOR EXAMINER

Name of the Examiner:- DR. Kusum Kemari

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Standard of the answers*	5
ii.	The standard of the Theory / Practical Examination displayed*	6
iii.	How many cases were given to each candidate – long and short cases?	X
iv.	Type of cases given	X
v.	How was the assessment done ?	written by OSPE and Viva!
vi.	Nature of Discussion of case by the candidate – level of difficulty of question*	7
vii.	Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question	✓ Yes/ No
viii.	Was the assessment done jointly by more than one examiner?	✓ Yes/ No
ix	Detailed process of Viva – voice conducted	✓ Yes/ No

Kusum Kemari
4/12/25

Signature of the Examiner:



02/12/2025 to 04/12/2025

FEEDBACK FORM FOR EXAMINER

Name of the Examiner:- A. Asif ur Biswas

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Standard of the answers*	8
ii.	The standard of the Theory / Practical Examination displayed*	9
iii.	How many cases were given to each candidate – long and short cases?	
iv.	Type of cases given	written cases
v.	How was the assessment done ?	8
vi.	Nature of Discussion of case by the candidate – level of difficulty of question*	
vii.	Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question	Yes/ No
viii.	Was the assessment done jointly by more than one examiner?	Yes/ No
ix	Detailed process of Viva – voice conducted	Yes/ No

A. Asif ur Biswas

Signature of the Examiner:



2nd year M.B.B.S. Undergraduate University Practical Examination
02/12/2025 to 04/12/2025

FEEDBACK FORM FOR STUDENTS

University Examination Number: 241580736567

Batch: 2023

Date: 04/12/2025

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions (Practical)	QSPE/PBL/prescription writing / prescription audit / ADR form /Skill & communication
ii.	Type of Questions (Theory)	MCQ / SAQs/ Structured Essay type / long answer's / Clinical case
iii.	Standard of Questions	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	✓ Yes/ No
v.	Time allotted for different sections of the examination.	Adequate/Inadequate
vi.	Long allotted for different sections of the examination.	✓ Yes/ No
vii.	Have all the candidates been uniformly examined?	✓ Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	✓ Yes/ No
ix	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	✓ Yes/ No
x	Was the assessment done jointly by more than one Examiner?	✓ Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	8/10
xii	The standard of the Theory/Practical Examination*	Theory: 10 Practical: 10
xiii	Rate the conduction of the examination. *	9/10

4/12/2025
 Signature of the Examiner:

.....
 Signature of the Student:



Department of Pharmacology

SHEIKH BHIKHARI MEDICAL COLLEGE & HOSPITAL, HAZARIBAG

Email: - pharmacologysbmc@gmail.com



2nd year M.B.B.S. Undergraduate University Practical Examination
02/12/2025 to 04/12/2025

FEEDBACK FORM FOR STUDENTS

University Examination Number: 241580736562

Batch: 2023

Date: 04/12/2025

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions (Practical)	OSPE/PBL/prescription writing / prescription audit / ADR form / Skill & communication
ii.	Type of Questions (Theory)	MCQ / SAQs/ Structured Essay type / long answer's / Clinical case
iii.	Standard of Questions	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	Yes/ No
v.	Time allotted for different sections of the examination.	Adequate/Inadequate
vi.	Long allotted for different sections of the examination.	Yes/ No
vii.	Have all the candidates been uniformly examined?	Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	Yes/ No
ix	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	Yes/ No
x	Was the assessment done jointly by more than one Examiner?	Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	10/10
xii	The standard of the Theory/Practical Examination*	Theory: 5/10 Practical: 10/10
xiii	Rate the conduction of the examination. *	10/10

Signature of the Examiner:

Aman Kumar
Signature of the Student



2nd year M.B.B.S. Undergraduate University Practical Examination
02/12/2025 to 04/12/2025

FEEDBACK FORM FOR STUDENTS

University Examination Number: 241580736560

Batch: 2023

Date: 4 / 12 / 2025

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions (Practical)	OSPE/PBL/prescription writing/prescription audit / ADR form /Skill & communication
ii.	Type of Questions (Theory)	MCQ / SAQs/ Structured Essay type / long answer's / Clinical case
iii.	Standard of Questions	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	Yes/ No
v.	Time allotted for different sections of the examination.	Adequate/Inadequate
vi.	Long allotted for different sections of the examination.	Yes/ No
vii.	Have all the candidates been uniformly examined?	Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	Yes/ No
ix	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	Yes/ No
x	Was the assessment done jointly by more than one Examiner?	Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	10/10
xii	The standard of the Theory/Practical Examination*	Theory: 3/10 Practical: 10/10
xiii	Rate the conduction of the examination. *	9/10

Signature of the Examiner:

Signature of the Student



2nd year M.B.B.S. Undergraduate University Practical Examination
02/12/2025 to 04/12/2025

FEEDBACK FORM FOR STUDENTS

University Examination Number: 241580736561

Batch: 2023

Date: 04/12/25

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions (Practical)	OSPE/PBL/prescription writing / prescription audit / ADR form /Skill & communication
ii.	Type of Questions (Theory)	MCQ / SAQs/ Structured Essay type / long answer's / Clinical case
iii.	Standard of Questions	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	Yes/ No
v.	Time allotted for different sections of the examination.	Adequate/Inadequate
vi.	Long allotted for different sections of the examination.	Yes/ No
vii.	Have all the candidates been uniformly examined?	Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	Yes/ No
ix	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	Yes/ No
x	Was the assessment done jointly by more than one Examiner?	Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	10/10
xii	The standard of the Theory/Practical Examination*	Theory: 4/10 Practical: 10/10
xiii	Rate the conduction of the examination. *	10/10

Signature of the Examiner:

Agit Bhati
Signature of the Student



2nd year M.B.B.S. Undergraduate University Practical Examination
02/12/2025 to 04/12/2025

FEEDBACK FORM FOR STUDENTS

University Examination Number: 241580 736558

Batch: 2023-2028

Date: 4/12/25

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions (Practical)	OSPE/PBL/prescription writing / prescription audit / ADR form /Skill & communication
ii.	Type of Questions (Theory)	MCQ/ SAQs/ Structured Essay type / long answer's / Clinical case
iii.	Standard of Questions	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	Yes/ No
v.	Time allotted for different sections of the examination.	Adequate/Inadequate
vi.	Long allotted for different sections of the examination.	Yes/ No
vii.	Have all the candidates been uniformly examined?	Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	Yes/ No
ix	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	Yes/ No
x	Was the assessment done jointly by more than one Examiner?	Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	9/10
xii	The standard of the Theory/Practical Examination*	Theory: <u>Good</u> Practical: <u>Moderate</u>
xiii	Rate the conduction of the examination. *	9/10

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4/12/25*

Signature of the Examiner:

Vijayalakshmi
Signature of the Student



2nd year M.B.B.S. Undergraduate University Practical Examination
02/12/2025 to 04/12/2025

FEEDBACK FORM FOR STUDENTS

University Examination Number: 241580736565

Batch: 2023

Date: 04 / 12 / 2025

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions (Practical)	OSPE/PBL/prescription writing / prescription audit / ADR form /Skill & communication
ii.	Type of Questions (Theory)	MCQ / SAQs/ Structured Essay type / long answer's / Clinical case
iii.	Standard of Questions	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	Yes/ No
v.	Time allotted for different sections of the examination.	Adequate/Inadequate
vi.	Long allotted for different sections of the examination.	Yes/ No
vii.	Have all the candidates been uniformly examined?	Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	Yes/ No
ix	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	Yes/ No
x	Was the assessment done jointly by more than one Examiner?	Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	9/10
xii	The standard of the Theory/Practical Examination*	Theory: Hard Practical: Moderate
xiii	Rate the conduction of the examination. *	9/10

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4.12.28

Signature of the Examiner:

Saniya Parwaz
Signature of the Student



2nd year M.B.B.S. Undergraduate University Practical Examination
02/12/2025 to 04/12/2025

FEEDBACK FORM FOR STUDENTS

University Examination Number: 241580736570

Batch: 2023

Date: 4/12/25

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions (Practical) <u>9</u>	QSPPE/PBL/prescription writing / prescription audit / ADR form /Skill & communication
ii.	Type of Questions (Theory) <u>1</u>	MCQ / SAQs/ Structured Essay type / long answer's / Clinical case
iii.	Standard of Questions <u>Theory + very hard</u>	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	✓ Yes/ No
v.	Time allotted for different sections of the examination.	Adequate/Inadequate
vi.	Long allotted for different sections of the examination.	✓ Yes/ No
vii.	Have all the candidates been uniformly examined?	✓ Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	✓ Yes/ No
ix	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	✓ Yes/ No
x	Was the assessment done jointly by more than one Examiner?	✓ Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	<u>10</u>
xii	The standard of the Theory/Practical Examination*	Theory: <u>very difficult</u> Practical: <u>good</u>
xiii	Rate the conduction of the examination. *	<u>10</u>

Signature of the Examiner:

4/12/25

Muskan Syoti
 Signature of the Student



2nd year M.B.B.S. Undergraduate University Practical Examination
02/12/2025 to 04/12/2025

FEEDBACK FORM FOR STUDENTS

University Examination Number: 241580736566

Batch: 2023

Date: 04/12/25

*(On a scale of 10 where 0= Very poor and 10 = Outstanding)

Sr. No.	Feedback	Remarks
i.	Nature of the questions (Practical)	OSPE/PBL/prescription writing / prescription audit / ADR form /Skill & communication
ii.	Type of Questions (Theory)	MCQ / SAQs/ Structured Essay type / long answer's / Clinical case
iii.	Standard of Questions	Easy / Moderate / Difficult
iv.	Does the examination broadly cover the prescribed curriculum?	✓ Yes/ No
v.	Time allotted for different sections of the examination.	✓ Adequate/Inadequate
vi.	Long allotted for different sections of the examination.	✓ Yes/ No
vii.	Have all the candidates been uniformly examined?	✓ Yes/ No
viii.	Was the atmosphere friendly and allowed the candidates to express themselves freely?	✓ Yes/ No
ix	Were supplementary questions asked by the examiners to gauge the depth of knowledge of the candidates?	✓ Yes/ No
x	Was the assessment done jointly by more than one Examiner?	✓ Yes/ No
xi	Rate the content of the interaction while Viva-Voce (Give extent of coverage of subject). *	8 / 10
xii	The standard of the Theory/Practical Examination*	Theory: Hard Practical: Moderate
xiii	Rate the conduction of the examination. *	8 / 10

*Viva
4/12/25*

Signature of the Examiner:

Aishwarya

Signature of the Student

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**VMBBS(2) —
Pharmacology (I)**

2025(I)

Time : 3 hours

Full Marks : 100

*Candidates are required to give their answers in
their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer from both the Sections as directed.

Section – A

1. Define Pharmacology and explain pharmacokinetic and pharmacodynamics with suitable examples. 15
2. Write short notes on the following : $5 \times 6 = 30$
 - (a) Idiosyncrasy and Tachyphylaxis
 - (b) Explain combined effect of drugs with suitable example.
 - (c) Anti-diarrheal drugs

EF – 5/2

(Turn over)

*Arsh V. Wadhwa
04-12-25*

*Kiran
4/12/25*

*Moar
4-12-25*

*AB
04-12-25*

(d) Classify Anti-Histaminic drugs

(e) Role of Vitamin D

(f) Post marketing surveillance (Phase iv)

3. Reasoning questions : $3 \times 5 = 15$

- A patient with kidney disease is prescribed a drug that is primarily excreted by the kidneys. Explain why does adjustments might be necessary.
- A patient with hypertension is prescribed a beta-blocker. Explain the mechanism of action of beta-blockers in lowering blood pressure and potential adverse effects.
- A patient is taking warfarin (an anticoagulant) and is prescribed an antibiotic. Explain the potential for a drug interaction and its clinical implications.
- A patient develops a skin rash after starting a new medication. What factors should be considered in determining whether the rash is an ADR ?

EF - 5/2

(2)

Contd.

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Ans

(e) A patient is prescribed a loop diuretic like furosemide. Explain how this drug affects sodium and water reabsorption in the nephron, and what are the potential consequences of this action ?

Section - B

Case based long question : 10

4. A sales executive aged 55 years presented with palpitation felt off-and-on, both during activity as well as at rest for the last one month or so. He also complained of tiredness and anxiety. The pulse was irregular in volume and frequency with average rate 104/min, respiration 20/min, BP 130/84 mm Hg, apex beat was irregular, with an average rate 120/min. Heart sounds were irregular, but there was no murmur. The ECG showed atrial fibrillation (AF) with no sign of ischaemia. A diagnosis of persistent AF was made, and it was decided to electrically cardiovert him. He was put on warfarin sod. 5 mg twice daily

EF - 5/2

(3)

(Turn over)

Arish ~~to be done~~
Kumar ~~PLS~~
Biju

for 2 days followed by 5 mg once daily and dose to be adjusted to an INR between 2-2.5. This was to be maintained for 1 month before attempting cardioversion.

- (a) Why the patient has been put on warfarin therapy before attempting cardioversion ?
- (b) Can some drug be given to control and regularize his heart rate in the mean time ? If so, which drug(s) ?
- (c) If electrical cardioversion does not succeed, can some drug be given to revert him to sinus rhythm (SR) ?
- (d) After cardioversion, can some drug(s) be given to maintain SR and prevent recurrence of AF ?

5. What is Ethical Considerations in Drug Development and Research ?

5

6. Write short notes on the following : $5 \times 3 = 15$

(a) Therapeutic index

(b) Drugs for Bronchial Asthma

EF-5/2

(4)

Contd.

Anish w/ B.M.

Kiran She

(c) A 70-kg man is seen hospital 30 minutes after ingestion to ingest 100 mL of 50% ethylene glycol in a self-harm attempt. He arrives at the hospital 30 minutes after ingestion.

Name the Two antidotes that are available to treat this man, and state the mechanism of action of each antidote.

7. Answer all the multiple choice questions :

$$1 \times 10 = 10$$

(a) Nitroglycerine is administered by which route ?

(i) By sublingual route

(ii) By inhalation

(iii) By parenteral route

(iv) By insertion

(b) Test dose of penicillin is administered by which of the following route ?

(i) Subcutaneous

(ii) Intravenous

(iii) Intramuscular

(iv) Intradermal

EF = 5/2

(5)

(Turn over)

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ABD

Kew → Mrs

- (c) Drugs used to relieve pain are :
 - (i) Antipyretics
 - (ii) Analgesics
 - (iii) Antibiotics
 - (iv) Anti-pruritics
- (d) Substances used to counteract the effects of poison are :
 - (i) Antitussives
 - (ii) Antidotes
 - (iii) Anti-inflammatory
 - (iv) Anaesthetics
- (e) An agent used to increase the level of haemoglobin content in the blood is :
 - (i) Haematinics
 - (ii) Haemostatic
 - (iii) Oxytocics
 - (iv) All of these
- (f) Drugs which are used to increase the urine output are :
 - (i) Antihypertensive

(ii) Diuretics

(iii) Anti diuretic hormone

(iv) None of these

(g) Cardiotonics are the drugs used to :

- (i) Treat dysrhythmias
- (ii) Treat inflammatory disease of the heart
- (iii) Increase heart rate and cardiac muscle contractions
- (iv) All of these

(h) Mydriatics are drugs which :

- (i) Constrict the pupil of the eye
- (ii) Dilate the pupil of the eye
- (iii) Dilate the blood vessels
- (iv) Contract the blood vessel

(i) Which vitamin is also known as anti-sterility vitamin ?

- (i) Vitamin C
- (ii) Vitamin E
- (iii) Vitamin K
- (iv) Vitamin A

EF = 6/2

(7)

(Turn over)

Anish or brian
Kiran
Hira

(J) Mannitol is a :

- (i) Isotonic solution
- (ii) Hypotonic solution
- (iii) Hypertonic solution
- (iv) None of these

QUESTION TO ASK IN THE EXAMINATION (1)

QUESTION TO ASK IN THE EXAMINATION (2)

QUESTION

QUESTION

QUESTION TO ASK IN THE EXAMINATION (3)

QUESTION TO ASK IN THE EXAMINATION (4)

QUESTION TO ASK IN THE EXAMINATION (5)

QUESTION TO ASK IN THE EXAMINATION (6)

QUESTION TO ASK IN THE EXAMINATION (7)

QUESTION TO ASK IN THE EXAMINATION (8)

QUESTION

QUESTION

QUESTION (A)

QUESTION (B)

QUESTION (C)

QUESTION (D)

QUESTION (E)

QUESTION (F)

QUESTION (G)

QUESTION (H)

QUESTION (I)

QUESTION (J)

EF - 5/2 (200)

(Evening)

(8)

VMBBS(2) —
Pharmacology (I)

Arsh v. b.
10/12/2018
Kiran
blue

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**VMBBS(2) —
Pharmacology (II)**

2025(I)

Time : 3 hours

Full Marks : 100

*Candidates are required to give their answers in
their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer all questions from both Sections.

Section – A

1. Case-Based Long-answer Type Questions : 15

A 55-year-old man with chronic NSAID use presents with epigastric pain, black stools, and fatigue. He is diagnosed with NSAID-induced gastric ulcer.

- (a) Discuss the role of prostaglandins in GI protection.
- (b) Enumerate ulcer-protective drugs and describe the mechanism of action of misoprostol.

EF – 6/3

(Turn over)

*Arish Ullah
4-12-25*

*Khan
4/12/25*

*Mona
4-12-25*

04-12-25

(c) Describe the rationale and regimen for
H. pylori eradication. 5+5+5

2. Write short notes on the following : 5×5 = 25

- (a) Explain the role of 5-HT₁B/D receptor agonists in the treatment of migraine. Mention examples.
- (b) What are biological agents used in the treatment of rheumatoid arthritis ? Discuss their mechanisms and advantages.
- (c) Name the monoclonal antibodies and mast cell stabilizers used in the treatment of asthma. Describe their mechanisms of action.
- (d) What is drug-induced Parkinsonism ? Discuss its causative agents, underlying mechanism, clinical features, and management.
- (e) Discuss the mechanism of action, clinical uses, and advantages of newer antiepileptic drugs. Give examples.

3. Reasoning / Justification Questions : 5×3 = 15

- (a) Why are corticosteroids tapered gradually ?
- (b) Why is combination therapy preferred in TB ?

EF - 6/3

(2)

Contd.

Ans. 1
Ans. 2
Ans. 3
Ans. 4
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- (c) Explain the rationale of using allopurinol with chemotherapy.
- (d) Explain why barbiturates are contraindicated in porphyria ?
- (e) Explain why metformin should be cautiously given to chronic alcoholics ?

Section - B

4. Long-answer Thpe Questions : 15

Classify immunosuppressants. Write the mechanism of action, uses, and adverse effects of cyclosporine. Compare with tacrolimus.

5. Write short notes on any four of the following : 5×4 = 20

- (a) Adverse effects of aminoglycosides
- (b) Mechanism of action of methotrexate and its role in cancer chemotherapy
- (c) Classify antiemetic drugs and mention any important drug interaction related to them
- (d) Role of B-blockers in thyrotoxicosis

6. Choose the correct answer of the following : 1×10 = 10

(a) Drug acting by inhibiting DNA gyrase :

- (i) Ciprofloxacin

EF - 6/3

(3)

(Turn over)

Answer given

✓

Ans

- (ii) Rifampicin
- (iii) Isoniazid
- (iv) Ethambutol

(b) A 32-year-old woman complained to her physician that two breakthrough seizures occurred last week. One month earlier the woman was diagnosed with simple partial seizure and started treatment with an antiepileptic drug. The physician increased the dose of the drug, thinking that the decreased effect was most likely because the drug is a potent enzyme inducer and can induce its own metabolism. Which of the following drugs did the patient most likely take ?

- (i) Valproic acid
- (ii) Carbamazepine
- (iii) Lamotrigine
- (iv) Ethosuximide

(c) A phenothiazine that frequently causes extrapyramidal adverse effects :

- (i) Aripiprazole

EF - 6/3.

(4)

Contd.

Ans. for Ques
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(ii) Chlorpromazine
(iii) Clozapine
(iv) Fluphenazine

(d) A selective COX-2 inhibitor :
(i) Indomethacin
(ii) Etoricoxib
(iii) Diclofenac
(iv) Ibuprofen

(e) A 34-year-old woman complained to her gynecologist of severe pelvic pain during both menstrual and nonmenstrual days. The women, diagnosed with endometriosis 1 year earlier, had good pain relief after surgical ablation of endometriotic lesions, but her symptoms had returned. Her gynecologist prescribed a cycle of therapy with leuprolide. Which of the following adverse effects would be expected to occur during the therapy ?
(i) Galactorrhea
(ii) Vaginal infections

Ansah & Basu
Adm *Kew*
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(iii) Menorrhagia

(iv) Hot flushes

(f) Common side effect of loop diuretics :

(i) Hypercalcemia

(ii) Hypokalemia

(iii) Hypermagnesemia

(iv) Hypermatermia

(g) Drug contraindicated in pregnancy due to teratogenicity :

(i) Penicillin

(ii) Methotrexate

(iii) Cefixime

(iv) Paracetamol

(h) Drug of choice for schizophrenia is :

(i) Olanzapine

(ii) Haloperidol

(iii) Lithium

(iv) Chlorpromazine

(i) This drug shows no cross-allergenicity with other β -lactam antibiotics :

(i) Ampicillin

(ii) Aztreonam
(iii) Cefepime
(iv) Cefotaxime

(j) A 25-year-old woman was seen at a clinic because of episodes of shortness of breath and cough that had occurred almost every day since she had an upper respiratory infection 2 months earlier. The women also stated that several times weekly she awoke at night with the same symptoms. Spirometry showed a forced expiratory volume (FEV1) 65% of the predicted value. Which of the following drugs would be most appropriate to be included in the patient's treatment at this time ?

(i) Theophylline
(ii) Isoproterenol
(iii) Salmeterol
(iv) Propranolol

EF - 6/3 (200)

(7)

VMBBS(2) —
Pharmacology (II)

Answer on reverse

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More