

**NATIONAL MEDICAL COMMISSION****STANDARD ASSESSMENT FORM****FORM – C**

File No: / Assessment No.:

Name of Course : II<sup>nd</sup> MBBS

Name of Subject : MICROBIOLOGY

Name of College : VILASRAO DESHMUKH GOVT. MEDICAL COLLEGE, LATUR

Name of University: MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK

Place of examination: DEPT. OF MICROBIOLOGY, VDGMC, LATUR

Date/s of examination: 08/09/2025 – 13/09/2025

**1. ASSESSORS**

Sl.	Name	Official address	Mobile No.	E-mail address
1	DR. V. V. CHINCHOLKAR	VMGMC, SOLAPUR	9325293264	dr_vchincholkar@rediff.com
2	DR.CHARUSHILA HALGARKAR	GMC, DHARASHIV	7588546185	dr.charushilahalgarkar@gmail.com
3	DR. ASHA BOINWAD	GMC, GT HOSPITAL, MUMBAI	8788423366	dr.ashaboinwad@gmail.com

Assessment order/letter number:

DR. V. V. CHINCHOLKAR	Ref.No.MUHS/Pract/Appt/317919/2025
DR. CHARUSHILA HALGARKAR	Ref.No.MUHS/Pract/Appt/318179/2025
DR. ASHA BOINWAD	Ref.No.MUHS/Pract/Appt/317919/2025

## 2. REPORT OF PREVIOUS ASSESSMENT

Deficiencies pointed out in the last Assessment/ if any	Remarks

A. Scheme of Examination

	Marks allotted	Minimum passing marks
1. Theory:		
Final examination	: 100+100=200	80 (min)
Internal assessment	: 300	120 (min)
Total for Theory	: 500 (Calculation – 500/12.5=40)	16 (min)
(For passing, 40% marks, 50% aggregate of theory + practical)		
2. Clinical/practical:		
Final examination	: 100	40 (min)
Internal assessment	: 200	80 (min)
Total for Practical	: 300 (Calculation – 500/12.5=40)	16 (min)
(For passing, 40% marks, 50% aggregate of theory + practical)		
3. Viva-voce:		
Final examination	: 30	15 (min)
Internal assessment	:	
Total for Viva-voce	: 30	15 (min)
<b>Grand Total : 300</b>		<b>150</b>
(For passing, 40% marks, 50% aggregate of theory + practical)		

B. Theory – Attachment 1 (A & B)

1. Theory paper: Subject: Microbiology Time: 03 Hrs. Date of exam:  
 No. 1: Paper I – 02/08/2025  
 No. 2: Paper II – 04/08/2025
2. Place of conduct of exam : Vasantrao Kale Homeopathic Medical College, Latur
3. Invigilation arrangements : As per MUHS.
4. No. of candidates appeared : 150

**C. Remarks by the Assessor/s regarding:**

- a) Nature of the questions—MCQs/SAQs/Structured Essay type/ **Structured Long answers**
- b) Type of Questions – **Recall based/Application based/Problem based**
- c) Standard of questions - level of difficulty: **Easy / Moderate / Difficult**
- 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): **09**
- f) Internal assessment marks (to be reviewed by the assessors) that have contributed to final examination: As per CBME
- g) Method/pattern of examination of internal examinations conducted during the course of training/study (to be clearly stated): As per MUHS guidelines
- 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). 5 Sections
  - A. Gram/ ZN Stain (15 M)
  - B. PS for MP/ Stool RM (15 M)
  - C. Use of PPE/ Hand hygiene (10 M)
  - D. Clinical Case & Reports Interpretation I (15 M)
  - E. Clinical Case & Reports Interpretation II (15 M)

- b) Does the practical examination broadly cover the discipline? **YES**
- c) Time allotted for different sections of the examination (Provide details).  
9 am – 5 pm for all sections and each student screened thoroughly.
- d) Details of examiners: (brief CV of the examiners). – **Attachment 3 (A, B & C)**

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

<b>Names</b>	<b>Qualification</b>	<b>Designation</b>	<b>Years of Experience as UG Teacher / Examiner</b>
<b>Internal examiners</b>			
1. Dr. Namdev Suryawanshi		Associate Professor	13 years/ 8 years
2. Dr. Balaji Puri		Assistant Professor	8 years/ 4 years
3. Dr. Milind Davane		Assistant Professor	10 years /6 years
<b>External examiners</b>			
1. Dr. V.V. Chincholkar		Associate Professor	19 years/ 10 years
2. Dr. Charushila Halgarkar		Associate Professor	18 years/11 years
3. Dr. Asha Boinwad		Assistant Professor	5 years / 1 years

- e) Mode of practical examination: In batches or otherwise and number of students per day: 6 Batches 6 Days (25 students per day).
- f) Are there other examination centers in the same University: **Yes /No**
- If yes, provide details. All Medical Colleges under MUHS.
- 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)
- h) Date of Examination in different centers:  
 Dr. Charushila Halgarkar: - Dharashiv, Latur, Solapur  
 Dr. Vijaykumar Chincholkar: - as per MUHS appointments  
 Dr. Asha Boinwad: - Dr. S.C.GMC, Nanded(2024)
- i) Date and time when the examination was inspected by the assessors: -  
 08/09/2025 – 13/09/2025 from 9 am – 5 pm.
- j) Are the invigilation arrangements satisfactory? **YES**
- k) No. of candidates appeared. **150**
- l) Number and type of practical exercises allotted to candidates (enclose copy of questions/tasks) Question paper attached. – **Attachment 2 (A & B)**
- m) The standard displayed (On a scale of 10 where 0 = Very poor and 10 = Outstanding) **9**
- n) Minimum marks required for passing: 50% (aggregate Theory + Practical)

### 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? **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)
  - 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? **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? **NO**
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-VOCE**

1. The content of the interaction (Give extent of coverage of subject)  
 Viva I – General Microbiology & Immunity, CVS & Blood, Gastrointestinal & Hepatobiliary system, AETCOM Module No. 2.5, 2.6 & 2.7.  
 Viva II – Musculoskeletal system, Skin & Soft tissue infection, Central Nervous System infections, Respiratory tract infections, Genitourinary & Sexually transmitted infections, Zoonotic diseases & Miscellaneous.
2. How was it conducted (provide details)? As per CBME.
3. What was the standard? (On a scale of 10 where 0 = Very poor and 10 = Outstanding). **9**

4. What was the nature of assessment? **Summative assessment**
5. Was it done jointly by more than one examiner? **YES**
6. How are the marks obtained in different parts of the examination grouped?  
**Attachment 4 – Marks distribution attached.**
7. What is the minimum for passing in each section and in the grand total?  
**40% minimum (50% aggregate of Theory + Practical)**
8. Results for the last three years: - Available at MUHS.
9. No. of students appeared? – Available at MUHS.
10. No. of students passed? – Available at MUHS.
11. Other remarks if any.  
**Exam was conducted as per MUHS guidelines smoothly.**

**Conclusions:**

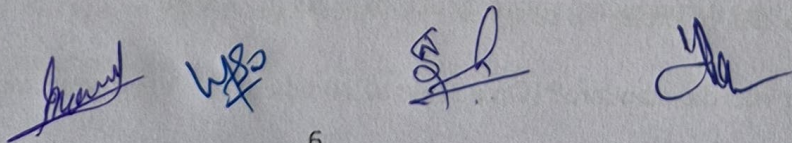
Was the standard sufficient for the M.B.B.S. examination as required by Regulations of the Medical Council of India/National Medical Commission? **YES**

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.  
**Attachment 5 (A, B & C) – Feedback form of external examiners attached.**



C1203A

SECOND M.B.B.S. (CBME - 2023) EXAMINATIONS  
MICROBIOLOGY - I

## SECTION - "B"

Total Duration : 3 Hrs.

Total Marks : 80

- Instruction:**
- 1) Use black ball point pen only.
  - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) All questions are compulsory.
  - 4) The number to the right indicates full marks.
  - 5) Draw diagrams wherever necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. This format is a mere guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.
  - 7) Use a common answer book for all sections.

## 2. Short Answer Question (Compulsory) :

(1x7=7)

- a) A 25-year-old woman who is 12 weeks pregnant lost her husband in an accident. The girl's parents want the doctor to convince the girl to abort the child so that she can remarry easily. The girl is adamant about having the baby saying that her husband would have wanted it that way. The doctor is threatened by the woman's family and offered a bribe to conduct an MTP.
- i) Define patient autonomy. (1)
  - ii) Contrast autonomy and paternalism. (3)
  - iii) What are the responsibilities of patients and doctors in shared decision making? (3)

## 3. Short Answer Question : (Any 3 out of 4)

(3x7=21)

- a) Write in brief about mechanisms of transmission of genetic material. Write 4 differences between mutational and transferable drug resistance.
- b) What is window period for HIV? Describe NACO strategies with its use.
- c) Enumerate differences between active and passive immunity with suitable examples.
- d) Enumerate the organisms causing hepatitis. Discuss the laboratory diagnosis of Hepatitis B virus infection.

## 4. Structured Long Answer Question (Compulsory) :

(1x12=12)

- a) Define Sterilization and Disinfection. (2)  
Enumerate different chemical disinfectant. (3)  
Write about Spaulding classification of Medical Devices. (3)  
After conducting a laparoscopic abdominal surgery, how should the laparoscope be reprocessed before its next use to prevent transmission of infection? (4)

PTO

5. Short Answer Questions (Any 4 Out of 5) : (4x7=28)

- a) A 28-years-old patient presented to OPD with step ladder fever, anorexia, abdominal pain, nausea and vomiting since 4-5 days. Clinical examination revealed coated tongue and palpable spleen. Which microbiological investigations will you recommend in this case with 4-5 days history? Describe in detail about the most recommended investigation.
- b) Discuss life cycle and lab diagnosis of Entamoeba histolytica.
- c) Discuss the laboratory diagnosis of Infective Endocarditis.
- d) Define Hypersensitivity. Write a note on Type IV Hypersensitivity.
- e) Describe the pathogenesis and laboratory diagnosis of acid peptic disease caused by Helicobacter pylori.

6. Structured Long Answer Question (Compulsory) : (1x12=12)

- a) A 45-year-old man working as a domestic helper presents with intermittent fever and a loss of weight and appetite over the last two months. He has pallor and mild hepatosplenomegaly. On investigation, he is anemic with raised ESR. Bone marrow smear showed for LD bodies.
  - i) What is the diagnosis? (1)
  - ii) Draw a well labeled diagram of LD body. (2)
  - iii) Describe the pathogenicity of the disease. (4)
  - iv) Add a note on its laboratory diagnosis. (5)

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Microbiology-II  
Time : 3 Hrs  
Max. Marks : 80.00  
Version :  
Question Booklet Sr. No. :

C1203B

## Section B

Que2.Short Answer Questions (Solve any 4 out of 5)

(4x7=28.00)

a.

Describe the pathogenesis of SARS COV-2 infections.(3)

Write in brief about the laboratory diagnosis(4)

b.

A 40 year old shephard develops a blackish ,painless ,vesicular, non-itchy lesion which gradually turned edematous and was covered with an eschar.Multiple satellite lesions were seen around the lesion.

What could be the most probable diagnosis?(1)

What are the causative micro-organism/s?(1)

Write in brief about the laboratory diagnosis of the condition(5)

c.

Enumerate the viruses associated with sexually transmitted infections(2).

Write in brief about Herpes simplex-2 viruses(5)

d.

Describe the pathogenesis and laboratory diagnosis of Gas gangrene.

e.

Describe Runyons classification of Atypical Mycobacteria.(2)

Give two examples of each.(2)

Write about Buruli ulcer(3)

Que3.Long Answer Questions

(1x12=12.00)

a.

A 5 year old unvaccinated boy from a rural area generalized, nonthrobbing headache; fever of 38-40° C; sore throat; anorexia; nausea; vomiting; and muscle aches. He gradually developed pain and paraesthesia in the lower limbs and found unable to walk on examination.Further examination also revealed hypotonia of muscle.

What is the most probable diagnosis?(2)

Describe the pathogenicity (3).

Laboratory diagnosis (3)

Immunoprophylaxis of this clinical condition.(4)

Que4.Short Answer Questions(Solve any 4 Out of 5) :-

(4x7=28.00)

a.

Define healthcare associated infection (HAI). Mention the types of HAI. Write a note on Hospital Infection Control Committee (HICC).

b.

Write a note on Toxic Shock Syndrome.

c.

Write about Prion diseases and their laboratory diagnosis in brief.

d.

Write in brief about of allergic bronchopulmonary aspergillosis and its laboratory diagnosis.

e.

Write about the aetiological agents of urinary tract infections.(2)

What are the screening methods for presumptive diagnosis of urinary tract infections.(5)

Que5.Long Answer Questions

(1x12=12.00)

a.

Enumerate Aetiological agents of upper respiratory tract infections.(2)

Write in brief about pathogenesis,laboratory diagnosis and treatment of Influenza viruses.(6)

Add a note on Antigenic shift and Antigenic drift .(4)

VILASRAO DESHMUKH GOVERNMENT MEDICAL COLLEGE & HOSPITAL, LATUR.

MUHS PRACTICAL EXAMINATION WINTER 2025

2 MBBS University Practical Examination

100 Marks

1. Perform Gram staining of given slide. Draw well labeled diagram. Write your observations. 15 marks
2. Perform Peripheral blood smear staining . Draw well labeled diagram. Write your observations 15 marks
3. Write dooning and doffing sequence of PPE 10 Marks
4. Interpretation of reports I 15 marks
5. Interpretation of reports II 15 marks
6. VIVA-I 15 marks
7. VIVA-II 15 marks

VILASRAO DESHMUKH GOVERNMENT MEDICAL COLLEGE & HOSPITAL, LATUR.

MUHS PRACTICAL EXAMINATION WINTER 2025

2 MBBS University Practical Examination

100 Marks

1. Perform Ziehl Neelsen staining of given slide. Draw well labeled diagram. Write your observations.

15 Marks

2. Perform microscopic examination of given stool sample. Write your observations. Draw well Labeled diagram.

15 marks

3. Write steps of Hand hygiene

10 Marks

4. Interpretation of reports I

15 marks

5. Interpretation of reports II

15 marks

6. VIVA-I

15 marks

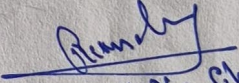
7. VIVA-II

15 marks

## Brief CV of the Examiner

### External Examiner

**Name** : Dr. Vijaykumar Chincholkar  
**Address** : Dr. V. M. GMC, Solapur  
**Designation** : Associate Professor  
**Name of College** : Dr. V. M. GMC, Solapur  
**Qualification** : MBBS – SRTR GMC, Ambajogai (2000)  
MD Microbiology – KEM, Mumbai (2006)  
**Mob. No.** : 9325293264  
**E-mail ID** : dr\_vchincholkar@rediff.com  
**Experience** : 19 years  
**Publications** : 12

  
Dr. V.V. Chincholkar  
Dr. VM GMC Solapur.



## CURRICULUM VITAE OF DR. A S Boinwad ,

MD – MICROBIOLOGY

Name : Dr. ASHA SHIVRAM BOINWAD  
 Sex : FEMALE  
 Date of Birth & Age : 17/07/1987(38years)  
 Place of Birth : Parbhani  
 Nationality : INDIAN  
 Religion : HINDU  
 Father's Name : Shivram Boinwad  
 Mother's Name : Shakuntala Boinwad  
 Marital Status : Married  
 Spouse Details : Dr Vinod Pandurang Kompalwad  
 Postal Address : Flat no.2, Karan Residency, Sindhu nagar, near shubham mangal  
 karyalay, Purna road, Nanded  
 Mobile Number : 8788423366  
 Email : dr.ashaboinwad@gmail.com

## Educational Qualifications

Degree	Name of College & University	Year
MBBS	R G M C , KALWA , THANE	2012
MD/MS	Govt. Medical College, AURANGABAD	2017

## POSITION HELD (TEACHING EXPERIENCE)

Post held	Institution	Period
Asst. Professor	S.R.T.R. GMC,AMBAJOGAI	19/07/2019 to 15/03/2022 13/02/2023 till date

RESEARCH / PUBLICATIONS- INTERNATIONAL -01  
 NATIONAL -02

DEAN  
 S. R. T. R. GMC  
 AMBAJOGAI

*Dr. A.S. Boinwad*  
 Dr. A.S. Boinwad

## Second MBBS Practical Mark's Structure (M.U.H.S Examination)

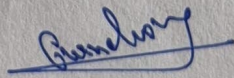
Subject: MICROBIOLOGY										
Seat No.	Practical				Clinical case & Reports Interpretation I	Clinical case & Reports Interpretation II	Viva			Total Practical & Oral (F+I)
	Gram / ZN staining	P.S. for M.P./ Stool routine microscopy	Use of PPE/ Hand hygiene	Total			Viva-I	Viva-II	Total	
	A	B	C	D	E	F	G	H	I	J
MAX. MARKS	15	15	10	15	15	70	15	15	30	100

**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK**  
**University Examination in the subject of Microbiology at Vilasrao Deshmukh Government Medical**  
**College, Latur**  
**FEEDBACK FORM - Examiner**

DATE :

From 8/9/25 to 10/9/25

1. Standard of the answers: (On a scale of 10 where 0 = Very poor and 10 = Outstanding) : 9
2. The standard of the Practical Examination displayed (On a scale of 10 where 0 = Very poor and 10 = Outstanding): 9
3. Minimum marks required for passing: As per MUHS guidelines
4. How many table exercises were given to each candidate – 5
5. Type of exercises given – List attached
6. Average time for practical exercise for each Candidate:
  - a) Time for completing the table exercise – 60-90 minutes
  - b) Time for discussion fixed time or changed as per the answers of the candidate. : As per the answers of the candidate
7. How was the assessment done? : Fair
8. Standard displayed by candidates in general in the practical part of the examination. (On a scale of 10 where 0 = Very poor and 10 = Outstanding) : 9
9. 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) 8
10. Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question? : Yes / No  Yes
11. Was the assessment done jointly by more than one Examiner? : Yes / No  Yes
12. How many marks are allotted for practical examination? : 100 marks
13. Are marks obtained in regular internal examinations added on to the marks obtained in the final clinical examination? : As per MUHS rules
13. What is the minimum percentage for passing the practical part? : Minimum 50% marks
14. 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? If so, to what extent (in percentage of marks)? Has it influenced the result at the final examination? : Not Applicable
15. Detailed Process of Viva-Voce conducted: Viva –Voce consists of two stations, Viva I and Viva II. Viva –Voce are taken jointly by two examiners. Viva I is based on general microbiology and immunity, CVS and blood, Gastrointestinal and hepatobiliary system, AETCOM MODULE. Viva II is based on Musculoskeletal system, skin and soft tissue infection , CNS, Respiratory tract , Genitourinary and sexually transmitted infections , Zoonotic diseases and miscellaneous. Questions predominantly consist of morphological features wherever applicable and clinical aspects for the case. Students are asked questions about interpretation and clinical application of knowledge in management of cases.

  
 Signature of Examiner with Name  
 Dr. V. V. Chinnolkar

**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK**  
**University Examination in the subject of Microbiology at Vilasrao Deshmukh Government Medical**  
**College, Latur**  
**FEEDBACK FORM - Examiner**

DATE :

From 11/9/25 to 13/9/25

1. Standard of the answers: (On a scale of 10 where 0 = Very poor and 10 = Outstanding) : 9
2. The standard of the Practical Examination displayed (On a scale of 10 where 0 = Very poor and 10 = Outstanding): 9
3. Minimum marks required for passing: As per MUHS guidelines
4. How many table exercises were given to each candidate – 5
5. Type of exercises given – List attached
6. Average time for practical exercise for each Candidate:
  - a) Time for completing the table exercise – 60-90 minutes
  - b) Time for discussion fixed time or changed as per the answers of the candidate. : As per the answers of the candidate
7. How was the assessment done? : Fair ✓
8. Standard displayed by candidates in general in the practical part of the examination.(On a scale of 10 where 0 = Very poor and 10 = Outstanding) : 9
9. 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) 8
10. Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question? : Yes / No ✓
11. Was the assessment done jointly by more than one Examiner? : Yes / No ✓
12. How many marks are allotted for practical examination? : 100 marks
13. Are marks obtained in regular internal examinations added on to the marks obtained in the final clinical examination? : As per MUHS rules
13. What is the minimum percentage for passing the practical part? : Minimum 50% marks
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Signature of Examiner with Name

Dr. charushila Halgarkar

**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK**  
**University Examination in the subject of Microbiology at Vilasrao Deshmukh Government Medical**  
**College, Latur**  
**FEEDBACK FORM - Examiner**

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  - a) Time for completing the table exercise – 60-90 minutes
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7. How was the assessment done? : Fair
8. Standard displayed by candidates in general in the practical part of the examination.(On a scale of 10 where 0 = Very poor and 10 = Outstanding) : 9
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10. Have all the candidates been uniformly examined and grades or marks awarded as per merit of the question? : Yes / No
11. Was the assessment done jointly by more than one Examiner? : Yes / No
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13. Are marks obtained in regular internal examinations added on to the marks obtained in the final clinical examination? : As per MUHS rules
13. What is the minimum percentage for passing the practical part? : Minimum 50% marks
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*Dr. A.C. Borwade*  
 Signature of Examiner with Name