

NATIONAL MEDICAL COMMISSION
STANDARD ASSESSMENT FORM
FORM – C

File No: / Assessment No.:

Name of Course : 1st M.B.B.S. (CBME-2024, 2023, 2019)
Name of Subject : Physiology
Name of College : Vilasrao Deshmukh Government Medical College, Latur
Name of University : Maharashtra University of Health Sciences, Nashik.
Place of examination : Vilasrao Deshmukh Government Medical College, Latur
Date/s of examination : 15– 17 Oct 2025 (Panel I) & 27 – 29 Sep 2025 (Panel II)

1. ASSESSORS

Sr.	Name	Official address	Mobile No.	email address
01	Dr. Sushma Shivajirao Jadhav Panel – I Date: 15/10/2025 To 17/10/2025	Physiology VDGMC, Latur	9423592277	drsushma.777@gmail.com
02	Dr. Savita Satyanarayan Somani Panel – II Date: 27/10/2025 To 29/10/2025	Physiology VDGMC, Latur	9970414122	drsomanisavita@gmail.com

Assessment order/letter number:

Annexure- I

Letter Number	Date
Ref.No.MUHS/Pract/Appt/322225,23&24/2025	12/09/2025
Ref.No.MUHS/Pract/Appt/322249,47&48/2025	12/09/2025

Deficiencies pointed out in the last Assessment/ if any	Remarks
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S.S.S.
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Vilasrao Deshmukh Government
1 Medical College, Latur

S.S.S.
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2. REPORT OF PREVIOUS ASSESSMENT

A. <u>Scheme of Examination</u>	Marks allotted	Minimum passing marks
1. Theory:		
Final examination : 200		
Internal assessment : 100		40%
Total for Theory : 300		
2. Clinical/practical:		
Final examination : 80		
Internal assessment : 100		40%
Total for Practical : 180		
3. Viva-voce:		
Final examination : 20		NA (Added to Practical)
Internal assessment : NA		NA
Total for Viva-voce : 20		NA
Grand Total :	500	50%

B. Theory (Attach 1 copy of each of the papers)**(Annexure –II)**

1. Theory paper:	Subject:	Time: __ Hrs.	Date of exam:
No. 1:	Physiology - I	3 hours	17/09/2025
No. 2:	Physiology – II	3 hours	19/09/2025

2. Place of conduct of exam. : MIMSR Medical College, Latur
3. Invigilation arrangements : Adequate As per MUHS Guidelines
4. No. of candidates appeared : 154 (150 Regular Batch Students + 04 Repeater Batch)

C. Remarks by the Assessor/s regarding:

- a) Nature of the questions–
- Section A : MCQs
 - Section B : SAQs, Long answer questions as per MUHS Norms.(Annexure-III)
- b) Type of Questions – Recall based/Application based/Problem based:
- 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)
- As there is on-screen evaluation, it cannot be commented.
- f) Internal assessment marks (to be reviewed by the assessors) that have contributed to final examination: - As per MUHS Norms, IA Marks do not Contribute to final Exam but are reflected on final mark sheet as a separate Head (Annexure – IV)
- g) Method/pattern of examination of internal examinations conducted during the course of training/study (to be clearly stated): - As per MUHS Guidelines (Theory & Practical)
- 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).
- As per MUHS, Nashik norms and time table
 - As per MUHS norms, Practical exam consists of Hematology, Short Exercise, Clinical demonstrations (CS/RS; Abdomen/CNS), Human Experiments & viva-voce
(Annexure V)
- b) Does the practical examination broadly cover the discipline? – Yes
- c) Time allotted for different sections of the examination (Provide details).
- Hematology – 40 minutes.
 - Short Exercise – 30 minutes.
 - Clinical demonstrations – 30 minutes.
 - Human Experiments – 40 minutes
 - Viva Voce/ Oral – 20 minutes
- d) Details of examiners: (please attach brief CV of the examiners). (Annexure – VI)

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

PANEL I (15 – 17 Sep 2025)			
Names Qualification		Designation	Years of Experience as UG Teacher / Examiner
Internal examiners	Dr.Sushma Shivajirao Jadhav	Professor	UG – 26 Years 06 Months PG – 21 Years
	Dr. Umesh Pralhadrao Lad	Associate Professor	UG – 16 Years PG – 13 Years
External examiners	Dr. Laxmikant Jairam Borse	Professor	UG – 15 Years 11 months PG – 10 Years 6 months
	Dr.Ajay Madhavrao Gavkare	Associate Professor	UG – 15 Years PG – 10 Years
PANEL II (27 – 29 Sep 2025)			
Names Qualification		Designation	Years of Experience as UG Teacher / Examiner
Internal examiners	Dr.Savita Satyanarayanji Somani	Associate Professor	UG – 16 Years PG – 10 Years
	Dr. Snehalata Balasaheb Mali	Assistant Professor	UG – 08 Years PG – 03 Years
External examiners	Dr. Pratima Dinkar Khatake	Assistant Professor	UG – 10 Years 11 Months PG – 05 Years 11 Months
	Dr.Vijayalaxmi Vishwanath Gawre	Assistant Professor	UG – 08 Years 10 Month PG – 03 Years 10 Month

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- e) Mode of practical examination: In batches or otherwise and number of students per day (Provide details) (Annexure – VII)
- As per MUHS norms in Batches
 - Batch A:- 16/10/2025 – 26 Students
 - Batch B :- 17/10/2025 – 26 Students
 - Batch C :- 15/10/2025 – 26 Students
 - Batch D :- 28/10/2025 – 26 Students
 - Batch E :- 29/10/2025 – 25 Students
 - Batch F :- 27/10/2025 – 25 Students
- f) Are there other examination centers in the same University: Yes
- If yes, provide details.
 - All Medical Colleges affiliated to MUHS, Nashik.
- g) Do the same examiners conduct the examination in other centers too?
- University allots different Examiners for different centers.
- h) Date of Examination in different centers (Annexure VIII)
- 09/09/2025 to 19/09/2025, 15/10/2025 to 31/10/2025
- i) Date and time when the examination was inspected by the assessors
- (Panel – I) Date:- 15/10/2025 To 17/10/2025, Time:- 9.00 am onwards
(Panel – II) Date:- 27/10/2025 To 29/10/2025, Time:- 9.00 am onwards
- j) Are the invigilation arrangements satisfactory?
- Yes
- k) No. of candidates appeared.
- Batch A:- 16/10/2025 – 26 Students
Batch B :- 17/10/2025 – 26 Students
Batch C :- 15/10/2025 – 26 Students
Batch D :- 28/10/2025 – 26 Students
Batch E :- 29/10/2025– 25 Students
Batch F :- 27/10/2025 – 25 Students
- l) Number and type of practical exercises allotted to candidates (enclose copy of questions/tasks) (Annexure – IX)
- m) The standard displayed (On a scale of 10 where 0 = Very poor and 10 = Outstanding) -
- 9 (Nine)
- n) Minimum marks required for passing:
- According to NMC & MUHS, minimum 40%, but a total of 50% combined theory & practical.

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PRACTICAL

1. No of Long cases – NA
2. No of Short cases - NA
3. How many cases were given to each candidate – NA (Clinical Examination Demonstration)


Que. A Clinical Demonstration (CS, RS, Abdomen, CNS & Special Senses)


Que. B Short Exercise

Que. C Hematology

Que. D Human Experiments

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.
Hematology – 40 minutes.
Short Exercise – 30 minutes.
Clinical demonstrations – 30 minutes.
Human Experiments – 40 Mins. each
Viva Voce/ Oral – 20 Mins.
6. How was the assessment done?
- **Oral & written As per MUHS Norms**
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) = **8 (Eight)**
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) - **8 (Eight)**
 - a. Number & type of questions (a copy of the question asked by the examiners may be attached)
-
 - 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**


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10. How many marks are allotted for clinical examination (Living anatomy)?

NA

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

- **Minimum 40%**

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

- **As per MUHS Norms, IA Marks do not Contribute to final Exam but are reflected final mark sheet as a separate Head**

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?- **NO**

(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)

- **VIVA I: CVS, RS, Exercise Physiology, Temperature regulation,**

High Altitude Physiology

VIVA II: Endocrine System, Reproductive System, GIT

VIVA III: CNS, Special Senses, AETCOM 1.2,1.3, Life Style,

Meditation & Ageing

VIVA IV: Gen Physiology, Blood, N-M Physiology, Excretory System,

How was it conducted (provide details)

- **System wise questions were asked as distributed above in the extent of coverage of subject.**

2. What was the standard?(On a scale of 10 where 0 = Very poor and 10 = Outstanding)= **8**

3. What was the nature of assessment?

- **Question & Answer type.**

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

- **YES**

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

- **Annexure mark allotment**

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

- **minimum 40% & Grand total 50 %**

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Associate Professor
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Medical College, Latur

7. Results for the last three years.

Sr. No	Last three Years Regular & Supplementary Batch	Result in Percent		Appeared students		No. of Students Passed	
		Regular	Supplementary	Regular	Supplementary	Regular	Supplementary
01	2021-22	92.80%	76.19%	139	21	129	16
02	2022-23	90.78%	57.14%	152	14	138	08
03	2023-24	91.50%	87.80%	153	41	140	36

8. No. of students appeared?
- As mentioned in above table

9. No. of students passed?
- As mentioned in above table

10. Other remarks if any. –

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?

If not, the reasons to be mentioned: - Satisfactory

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

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Maharashtra University of Health Sciences, Nashik
Practical Examinations

To,
DR. SUSHMA SHIVAJIROA JADHAV
Vilasrao Deshmukh Government Medical College, Latur
(9423592277, drsushmap777@gmail.com)



Sub.: Regarding Conduct of University Practical Examinations and Assessment of Theory Papers.

Sir/Madam,

1. I am directed to inform you that Board of Examinations is pleased to appoint you as an 'Convenor/Examiner'. The details of your assignments are given in Appendix-A mentioned below. Please keep your appointment strictly confidential and address all the correspondence in connection to the Controller of Examinations.
2. This appointment is issued subject to the assumptions mentioned below:-
 - That none of you has any relation of the following type appearing in the class and faculty for which your appointment is made, at this examination of the University:-
wife, husband, son, daughter, grand-son, grand-daughter, brother, sister, nephew, niece, uncle, grand-nephew, grand-niece, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.
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 - That you are not a member of Board of Examinations.
 - That you are not undergoing Post Graduate examination of this University.
3. You are required to be in touch with the Principal and the Convenor for further details. Kindly specify your acceptance or non-acceptance online or by email to email id and telephone numbers to this office with a copy to the Convenor.
4. Kindly also note that during the period of Practical Examination, you will be given a job of assessment of Theory Answerbooks and you will not be permitted to leave the Exam Centre without completion of the said task. Valuation of Theory manuscripts is compulsory if allotted.
5. **Sr. External Examiner should be held responsible for checking IA marks of concerned subject as per norms of respective central council / commission.**
6. Your reply should reach the University within 7 days from the receipt of the appointment by SMS/Email/etc.; otherwise it will be treated as your non-acceptance for the same.
7. Please note that the University examination work is mandatory as per the provisions of Section-63(g) of the MUHS Act 1998. If it is refused without substantial ground, disciplinary action shall be initiated.
8. Please intimate this office, if you are holding any other appointment of the University, other than this appointment.
9. Your kind cooperation in smooth functioning of the examination is solicited.

APPENDIX-A

Name of the Centre	Subject and Course	Appointed As	Co-Examiners	Date of Appointment	Theory Assessment
Vilasrao Deshmukh Government Medical College, Latur	Physiology First M.B.B.S. (CBME-2024)	Practical Chairman	<p>Practical Ext. Examiner (1), DR., LAXMIKANT JAIRAM BORSE, 7738323108, borselaxmikant@gmail.com, 11-Accepted, , Seth G. S. Medical College, Mumbai</p> <p>Practical Ext. Examiner (2), DR., ANITA PRIVIRAJ MARE, 9822700000, anita mare@gmail.com, 21-Non-Accepted, , Rajarshee Chhatrapati Shahu Maharaj Government Medical College, Kolhapur</p> <p>Practical Ext. Examiner (2), DR., Ajay Madhavrao Gavkare, 9890942743, drajaygavkare1998@gmail.com, 00-Issued, , General Hospital, Buldhana</p> <p>Practical Int. Examiner (1), DR., UMEHS PRALHADRAO LAD, 7036804270, umeshlad.res@gmail.com, 11-Accepted, , Vilasrao Deshmukh Government Medical College, Latur</p>	15-10-2025 to 15-10-2025	If applicable

Thanking you.

Yours,

Sd/-

Controller of Examinations

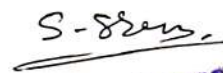

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Associate Professor
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Medical College, Latur

To,
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Thanking you.

Yours,

Sd/-

Controller of Examinations


Professor & H.O.D.
 Department of Physiology
 Vilasrao Deshmukh Government
 Medical College, Latur


Associate Professor
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Practical Examinations



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To,
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APPENDIX-A

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Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

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Controller of Examinations

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Medical College, Latur

Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
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Maharashtra University of Health Sciences, Nashik
Practical Examinations

①

To,
DR. SAVITA SATYANARAYAN SOMANI
Swami Ramanand Teerth Rural Government Medical College, Ambajogai, Beed
(9970414122, drsomanisavita@gmail.com)

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Medical College, Latur

Name of the Centre	Subject and Course	Appointed As	Co-Examiners	Date of Appointment	Theory Assessment
Vilasrao Deshmukh Government Medical College, Latur	Physiology First M.B.B.S. (CBME-2024)	Practical Chairman	<p>Practical Chairman, DR., SUSHMA SHIVAJIROA JADHAV, 9423592277, drsushmap777@gmail.com, 21-Non-Accepted, Vilasrao Deshmukh Government Medical College, Latur</p> <p>Practical Ext. Examiner (1), DR., KAMINI ILAMKAR, 8407910505, kamini_ilamkar@yahoo.co.in, 21-Non-Accepted, Government Medical College and Hospital, Nagpur</p> <p>Practical Ext. Examiner (1), DR., PRATIMA D. KHATKHE, 7709074801, pratima8687@gmail.com, 11-Accepted, Government Medical College, Baramati</p> <p>Practical Ext. Examiner (2), DR., VJAYALAXMI V. GAWARE, 7387739501, chu126gore@gmail.com, 11-Accepted, Government Medical College, Dharashiv</p> <p>Practical Ext. Examiner (2), DR., Nisha N Gandhi, 7673159959, nisha.suran.84@gmail.com, 00-Issued, Dr. Vithalrao Vikhe Patil Foundation's Medical College & Hospital, Ahilyanagar</p> <p>Practical Int. Examiner (1), DR., SNEHALATA BALASAHEB MALI, 7588628491, sktodkari21@gmail.com, 11-Accepted, Swami Ramanand Teerth Rural Government Medical College, Ambajogai, Beed</p>	27-10-2025 to 27-10-2025	If applicable


Thanking you.

Yours,

Sd/-

Controller of Examinations


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 Department of Physiology
 Vilasrao Deshmukh Government
 Medical College, Latur


Associate Professor
 Department of Physiology
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Maharashtra University of Health Sciences, Nashik

Practical Examinations



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S. S. Sen

Associate Professor
Department of Physiology
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To,
DR. SAVITA SATYANARAYAN SOMANI
Swami Ramanand Teerth Rural Government Medical College, Ambajogai, Beed
(9970414122, drsomanisavita@gmail.com)



Sub.: Regarding Conduct of University Practical Examinations and Assessment of Theory Papers.

Sir/Madam,

1. I am directed to inform you that Board of Examinations is pleased to appoint you as an 'Convenor/Examiner'. The details of your assignments are given in Appendix-A mentioned below. Please keep your appointment strictly confidential and address all the correspondence in connection to the Controller of Examinations.
2. This appointment is issued subject to the assumptions mentioned below:-
 - o That none of you has any relation of the following type appearing in the class and faculty for which your appointment is made, at this examination of the University:-
wife, husband, son, daughter, grand-son, grand-daughter, brother, sister, nephew, niece, uncle, grand-nephew, grand-niece, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.
(N.B. - Son, daughter, brother or sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
 - o That none of you is debarred from examination work by the parent or any other University.
 - o That you are not a member of Board of Examinations.
 - o That you are not undergoing Post Graduate examination of this University.
3. You are required to be in touch with the Principal and the Convenor for further details. Kindly specify your acceptance or non-acceptance online or by email to email id and telephone numbers to this office with a copy to the Convenor.
4. Kindly also note that during the period of Practical Examination, you will be given a job of assessment of Theory Answerbooks and you will not be permitted to leave the Exam Centre without completion of the said task. Valuation of Theory manuscripts is compulsory if allotted.
5. **Sr. External Examiner should be held responsible for checking IA marks of concerned subject as per norms of respective central council / commission.**
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7. Please note that the University examination work is mandatory as per the provisions of Section-63(g) of the MUHS Act 1998. If it is refused without substantial ground, disciplinary action shall be initiated.
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9. Your kind cooperation in smooth functioning of the examination is solicited.

APPENDIX-A


Associate Professor
Department of Physiology
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Medical College, Latur


Name of the Centre	Subject and Course	Appointed As	Co-Examiners	Date of Appointment	Theory Assessment
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Practical Examinations



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Associate Professor
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To,
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Swami Ramanand Teerth Rural Government Medical College, Ambajogai, Beed
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First MBBS(2020)
Physiology-I (01112A)
Time : 3 Hrs
Max. Marks : 80.00
Version :
Question Booklet Sr. No. :

Section B

(10x2=20.00)

Que2. Brief Answer Question (Solve any 10 out of 11)

State the Laplace's law and its application in maintaining alveolar size.

What is hemolytic disease of newborn ?

Define homeostasis. State one example of negative feedback mechanisms.

Define deglutition . What are the different stages of deglutition ?

What is Nernst equation ?

Enumerate the factors affecting cardiac output.

What is micturition reflex ?

Enlist various phases of cardiac cycle.

Draw a well labelled oxygen haemoglobin dissociation curve.

State any four functions of plasma proteins.

What are the benefits of yoga and meditation ?

Que3. Short Answer Questions (Solve any 8 out of 9)

(8x5=40.00)

Define glomerular filtration rate (GFR). State its normal value . Explain the factors affecting GFR. (1+1+3)

Discuss the duties of doctor & rights of patients.

A young tourist residing at Mumbai reached Ladakh by flight in a day. He complained of dizziness, nausea,

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vomiting and breathing difficulty in his routine activities. He also suffered from sleeplessness and loss of coordination.

1. What is the most likely diagnosis in this case. ?

2. Explain the pathophysiology of this condition.

3. What is treatment of this condition ? (1+3+1)

Explain active transport mechanisms across the cell membrane with example.

Explain the intrinsic pathway of coagulation with flowchart.

Compare between humoral & cell mediated immunity. What is immunization ?

A 35 year old busy professional was complaining of upper abdominal pain since few days. Pain was typically experienced in empty stomach and relieved on taking food.

1. What is the most likely diagnosis ? (1)

2. Explain the physiological basis of its treatment. (4)

State the function of bile. Explain mechanism of biliary secretion (2+3)

A 50 year old obese man complained of heaviness and retrosternal constricting type of pain radiating to left shoulder since morning. On examination, Pulse - 60/minute, Blood pressure was 130/90mm Hg. His electrocardiogram showed ST segment elevation in Lead 1 & AVL.

1. What is the most likely diagnosis in this case?

2. Explain the pathophysiology of this condition. (1+4)

Que4. Long Answer Questions (Solve any 2 Out of 3) :-

(2x10=20.00)

a.

Discuss in detail the mechanism of formation of concentrated urine. Add a note on Artificial kidney

b.

Define & classify shock. Explain the compensatory mechanisms in a case of hypovolemic shock. Add a note on physiological basis of management of hypovolemic shock. (3+5+2)

c.

Enumerate respiratory centers. Describe the nervous regulation of respiration. Add a note on Ondine curse. (3+5+2)

Section B

(50/2020)

Que2. Brief Answer Question (Solve any 10 out of 11)

Give the mechanism of action of IUCD.

Enlist the peculiarities of smooth muscle action potential.

Write a note on conductive deafness.

Property of temporal summation in synapse.

Define the 'Referred pain'. Give its mechanism with an example. (1+1)

write a note on Diabetes insipidus

Write in brief about Thyroid Stimulating Hormone.

write a note on Refractory period of nerve action potential.

Explain Milk ejection reflex.

Primary taste sensations.

What are the characteristic features of NREM sleep?

Que3. Short Answer Questions (Solve any 2 out of 9)

(15/2020)

A male patient of 55 years of age, having complaint of loss of balance, difficulty in coordination reported in medicine OPD, on examination there was dysdiadochokinesia, Romberg sign was positive. (1+4)

I) Give the probable diagnosis of this case.

II) Discuss functions of cerebellum.

A male patient of 35 years of age was selected as a loco pilot in Railways in railways. He came for pre-employment medical evaluation on examination of the ophthalmology Department he was having difficulty in color identification. (1+1+3)

I) Enumerate test for diagnosis of this disease.

II) What are different types of this disease?

III) Explain mechanism of colour perception.

Explain the mechanism of perception of sound waves in the human ear.

Enumerate functions of Placenta add a note on blood placental barrier.

Discuss the differences between the categorical and representational cerebral hemisphere

Enumerate the hormones secreted by the anterior pituitary gland. Add a note on physiological actions of growth hormone. (2+3)

Explain the various stages of spermatogenesis.

Enlist the various heat gain mechanisms in the human body. Explain the physiology of shivering. (2+3)

Draw the well labeled diagram of neuromuscular junction. Explain the events of neuromuscular junction action potential transmission. (2+3)

Que4. Long Answer Questions (Solve any 2 Out of 3) :-

(2x10=20.00)

Discuss the regulation of calcium in the body. add a note on 'Hypocalcemic tetany'. (8+2)

Describe the pathway for fine touch sensation. Write the functions of primary somatosensory cortex. (6+4)

Define the 'Menstrual cycle'. Describe the various phases of menstrual cycle. Add a note on 'Menorrhagia' (2+6+2)

Que2.Short Answer Questions (Solve any 8 out of 9)

(8x7=56.00)

a.

Describe ventricular events of cardiac cycle with the help of well labeled diagram.Add a note on heart block. (5+2)

b.

Describe cardio-respiratory and metabolic adjustments to moderate exercise.

c.

Define counter-current system of urine formation.What are the components of concentrating and diluting system? Give its physio-clinical significance. (1+4+2)

d.

A 55-year-old female presents to the clinic with a one-month history of progressively worsening jaundice, along with pruritus and clay-colored stools. She reports a dull, intermittent pain in the right upper quadrant of the abdomen. Her medical history is significant for cholelithiasis (gallstones), but she denies any recent episodes of biliary colic. Blood profile : Total bilirubin: 8.5 mg/dL.Direct bilirubin: 7.2 mg/alkaline phosphatase (ALP): 550 U/L.Gamma-glutamyl transferase (GGT): 480 U/L

a. What is probable diagnosis?

b. Mention the probable cause?

c. Discuss the physiological basis of treatment.

e.

Write a note on Hyaline membrane disease.

f.

Describe the hazards of mismatched blood transfusion.

g.

Define immunity.Discuss the role and types of cellular immune response.Add a note on hypersensitivity reactions. (1+3+3)

h.

Discuss theories of aging.List factors that will delay aging. (5+2)

i.

Enumerate roles of a Physician. Describe empathy in terms of doctor-patient encounter. (3+4)

Que3.Long Answer Questions (Solve any 2 out of 3)

(2x12=24.00)

a.

Describe in detail renal handling of sodium and water in the body.

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b.

Define lung compliance. How is it measured? Mention the factors affecting it. What is specific compliance?
(2+3+4+3)

c.

Describe the ionic basis of SA nodal action potential. What is the effect of sympathetic and parasympathetic stimulation on pacemaker potential?
(7+5)

Section B

Que2.Short Answer Questions (Solve any 8 out of 9)

(8x7=56.00)

a.

A 58 year old male visits his physician with complaints of tremors in his hands. On physical examination, he is found to exhibit resting tremors, rigidity and bradykinesia.

- i) What is the probable diagnosis?
- ii) Explain the pathophysiology of the clinical condition.
- iii) Add a note on the treatment of the patient.

(1+3+3)

b.

Enumerate the hormones that influence the growth of the body. Explain the role of each in different stages of life.

(2+5)

c.

Explain the hormonal changes in an ovulatory cycle. Add a note on ovulation and enumerate its indicators. (4+3)

d.

Differentiate between slow pain and fast pain. Explain the 'Gate control theory of pain'. Add a note on its application.

(3+3+1)

e.

Explain the pathway of Dorsal column medial lemniscal tract. Enumerate the various sensations carried by the tract. (5+2)

f.

Explain the various errors of refraction of eye . Add a note on the correction of each. (4+3)

g.

Enumerate the various physiological actions of testosterone. Add a note on the spermatogenesis. (3+4)

h.

A female patient came to the OPD with symptoms of loss of a weight, palpitation, sleeplessness and intolerance to heat since four months.

- i) What can be the probable endocrinological dysfunction ?
- ii) Enumerate the various physiological and metabolic actions of the said hormone.

(1+5)

i.

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Define a motor unit. What is the 'Law of recruitment' in skeletal muscle? Describe the sliding filament theory of skeletal muscle contraction.

(1+2+4)

Que3. Long Answer Questions (Solve any 2 out of 3)

(2x12=24.00)

a.

Explain the physiological and metabolic actions of growth hormone. Add a note on acromegaly and gigantism.

(8+4)

b.

Enumerate the various descending tracts. Add a note on the origin, course and termination of the pyramidal tracts. Differentiate between upper motor neuron lesion and lower motor neuron lesion. (2+6+4)

c.

Define synapse. Differentiate between electrical and chemical synapse. Add a note on pre - synaptic and post-synaptic inhibition. (1+3+8)

Physiology-I
Time : 3 Hrs
Max. Marks : 20.00
Version :
Question Booklet Sr. No. :


C1112A

Section A

Que I. Multiple Choice Questions

(20x1=20.00)

- 1) Following type of cell transport does not require energy
- (A) Sodium co – transport
(B) sodium counter – transport
(C) Primary active transport
(D) Diffusion of gases
- 2) Following is the hormone which stimulates secretion of alkaline pancreatic juice.
- (A) CCK - PZ
(B) Secretin
(C) VIP
(D) Enterokinase
- 3) Following is present in every living cell of body
- (A) sodium potassium pump
(B) Proton/hydrogen pump
(C) Sodium hydrogen pump
(D) Calcium pump
- 4) Secretion of Heparin is the function of
- (A) Monocyte
(B) Basophil
(C) Macrophage
(D) Eosinophil
- 5) Hemoglobin synthesis starts in the following stage of erythropoiesis
- (A) Intermediate normoblast
(B) Early normoblast
(C) Late normoblast
(D) Proerythroblast
- 6) After injection of local anesthetic drug for tooth extraction, patient may suffer from
- (A) Anaphylactic shock
(B) Hypovolumic shock
(C) Cardiogenic shock
(D) Neurogenic shock
- 7) Intercalated discs are present in.
- (A) Cardiac muscle cells
(B) Smooth muscle cells
(C) Skeletal muscle cells
(D) Detrusor muscle cells


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8) Following are the factors affecting rate of diffusion EXCEPT

- (A) Availability of ATP molecules
- (B) Size of molecules
- (C) Concentration gradient
- (D) Electrical gradient

9) Plateau' seen in action potential of cardiac muscle fiber is because of

- (A) Fast sodium channels
- (B) Slow sodium calcium channels
- (C) Slow sodium channels
- (D) Fast calcium channels

10) Osmolality of normal human plasma in an adult is in the range of ... mosm/L

- (A) 290 - 320
- (B) 320 - 350
- (C) 260 - 290
- (D) 230 - 260

11) Normally cardiac muscle does not get tetanized because of.

- (A) Short refractory period
- (B) Long refractory period
- (C) Poorly developed sarcoplasmic reticulum
- (D) Presence of Single triad per sarcomere

12) Carotid baroreceptors operate within the range of following mean pressure:

- (A) 60-100 mmHg
- (B) 40-60 mmHg
- (C) 100-120 mmHg
- (D) 120-150 mmHg

13) Action potential in a cardiac muscle fiber is produced by:

- (A) Na⁺ Influx
- (B) Na⁺ and Ca⁺ influx
- (C) Ca⁺ influx
- (D) Chloride efflux

14) Heart rate varies with inspiration, a phenomenon called as

- (A) Sinus arrhythmia
- (B) Hering breuer reflex
- (C) Bainbridge reflex
- (D) Bezold Jarisch reflex

15) loss of excessive glucose by patient suggests malfunction of which part of renal tubular segment

- (A) DCT
- (B) Loop of Henle
- (C) PCT
- (D) Collecting tubule

16) Long term Pranayama has the effect for the following

- (A) Increase in vital capacity
- (B) Increase in skeletal muscle power
- (C) Increase in oxygen consumption
- (D) Increase in cardiac output

17) Rejection of transplanted organ occurs MAINLY due to

- (A) Cell mediated immunity
- (B) Memory Lymphocyte cells
- (C) Humoral immunity
- (D) Innate immunity

18) A patient is diagnosed with peptic ulcer disease, which factor is most likely contributing to pathophysiology of this condition

- (A) Increased gastric motility
- (B) Excessive gastric acid secretion
- (C) Deficient mucosal blood flow
- (D) Impaired gastric emptying

19) Colloid osmotic pressure of blood plasma is mainly due to

- (A) Globulins
- (B) Albumin
- (C) Fibrinogen
- (D) Hormone binding proteins

20) What is not seen in acclimatization at high altitude:

- (A) Decreased density of tissue capillaries
- (B) Polycythemia
- (C) Hyperventillation
- (D) O₂ dissociation curve shifting to right

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Physiology-I
 Time : 3 Hrs
 Max. Marks : 80.00
 Version :
 Question Booklet Sr. No. :

Section B

Que2.Long Answer Questions

(1x12=12.00)

a.

Define Shock. Classify them according to the etiology. Describe stages of shock. Write symptoms & signs of hypovolumic shock. Describe the physiological basis of its treatment. (1+2+3+3+3)

Que3.Short Answer Questions

(5x4=20.00)

a.

What is apoptosis? What are the mechanisms to achieve it? Describe its role in normal functioning of tissue & organ.

b.

Define renal clearance. What is physiological significance of clearance tests? Why the plasma clearance of glucose is zero? (1+2+1)

c.

What is Bohr's effect. What is its physiological significance.

d.

Write composition and functions of saliva.

e.

Describe the physiological basis of repeated episodes of various fungal as well as bacterial infections in an adult patient. Investigations show CD4 cell count less than 200. Patient works as a technician in a laboratory for blood sample collection & has history of multiple accidental needle pricks.

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

(4x5=20.00)

a.

Describe primary and secondary active transport with suitable examples.

b.

A young adult male complaints of weakness & fatigue & complaint of vomiting of undigested food since last one year. He has partial relief from vomiting if he consumes liquid food. There is retrosternal pain & feeling of heaviness. On clinical examination, he looks pale & has signs of chronic malnutrition. Which investigations should be prescribed? What is the diagnosis? What is the underlying pathophysiology?

c.

Write in detail rights and responsibilities of patients

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d.

What will happen to GFR in following conditions and Why-

Severe burns

Increased water intake

Hypoproteinemia

High blood pressure

Urethral stone obstructing blood flow

e.

Define surfactant. what is its chemical composition. What are functions of surfactant? add a note on role of surfactant in newborns. (1+1+2+1)

Que5.Short Answer Questions (Solve any 4 out of 5)

(4x7=28.00)

a.

Describe the chemical regulation of respiration. Add a note on various types of hypoxia, their causes & physiological basis of treatment

b.

Describe the mechanism of clotting under following headings:

Temporary hemostasis

Definitive hemostasis by Intrinsic & Extrinsic pathway of clotting.

c.

Describe the counter current exchange & counter current multiplier mechanisms of kidney.

d.

Describe, with a well labeled diagram, various waves, segments & intervals in an ECG record of Bipolar Lead II. Add a note on heart blocks.

e.

Describe the etiology, physiological basis of symptoms & signs & treatment of peptic ulcer. Add a note on role of various gastro-intestinal hormones in the regulation of secretion of gastric acid.

Section A

Que1. Multiple Choice Questions

(20x1=20.00)

- 1) A 45 year man stands and walk in sleep. He does not respond to external stimuli during this sleepwalk and does not recall anything. In which phase of sleep this phenomena occurs
- (A) REM sleep
(B) Stage IV of NREM sleep
(C) Stage I of NREM sleep
(D) Stage II of NREM sleep
- 2) Sensation of Itch and tickle is transmitted by which of the following ascending pathways ?
- (A) Anterior spinothalamic tract
(B) Lateral spinothalamic tract
(C) Dorsal column pathway
(D) Dorsal spinocerebellar tract
- 3) High levels of prolactin is associated with:
- (A) Increase FSH
(B) Increase Dopamine
(C) Increase estrogen
(D) Increase testosterone
- 4) Which protein prevents contraction by covering binding sites on actin for myosin?
- (A) Troponin
(B) Tropomyosin
(C) Calmodulin
(D) Thymosin
- 5) Neurophysiological defects present in right lobe lesions will be all, EXCEPT:
- (A) Visuospatial defect
(B) Anosognosia
(C) Dysgraphia
(D) Apnea
- 6) A couple has been trying to conceive over 2 years without success. They decide to undergo fertility testing. the results of semen show a sperm count of 12million sperm/ml. What is the most likely interpretation of this finding?
- (A) Normal sperm count according to WHO guidelines
(B) Very low sperm count
(C) High sperm count
(D) Borderline sperm count
- 7) A woman's progesterone levels remain elevated beyond the luteal phase. What could this indicate?
- (A) Menstruation
(B) Pregnancy
(C) Menopause
(D) Ovulation
- 8) During the depolarization of the nerve action potential
- (A) There is net inward current and the cell interior becomes more negative.
(B) There is net inward current and the cell interior becomes less negative.
(C) There is net outward current and the cell interior becomes more negative.
(D) There is net outward current and the cell interior becomes less negative.

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9) During the voluntary movement, the Golgi tendon organ provides information to the CNS about which of the following ?

- (A) Length of the muscle being moved
- (B) Velocity of movement
- (C) Tension developed by the muscle being moved
- (D) Blood flow to the muscle being moved

10) A 47 year old man suffered injury to right side of spinal cord. He presents with muscle weakness and loss of fine touch & proprioceptive sensations on right side. Loss of pain and temperature sensations on left side. What is the probable diagnosis?

- (A) Trigeminal neuralgia
- (B) Thalamic syndrome
- (C) Brown-Sequard syndrome
- (D) Syringomyelia

11) Sensory aphasia results from damage to

- (A) Broca's area
- (B) Angular gyrus
- (C) Wernicke's area
- (D) Exner's area

12) EPSP is due to :

- (A) Na⁺ efflux
- (B) K⁺ efflux
- (C) Ca⁺⁺ influx
- (D) Na⁺ influx

13) The velocity of conduction in a nerve fiber will be increased by

- (A) Stimulating Na⁺-K⁺ATPase Pump
- (B) Inhibiting Na⁺-K⁺ATPase Pump
- (C) Myelinating the nerve
- (D) Decreasing the diameter of the nerve

14) Which of the following is true about functions of flocculonodular lobe?

- (A) Equilibrium and learning induced changes in vestibulo-ocular reflex
- (B) Planning and programming of movements
- (C) Controls posture
- (D) Controls skilled voluntary movements

15) The primary auditory cortex is situated in :

- (A) Frontal lobe
- (B) Temporal lobe
- (C) Parietal lobe
- (D) Occipital lobe

16) Transmission of impulse towards the cell body of neuron is termed as

- (A) Orthodromic conduction
- (B) Antidromic conduction
- (C) Saltatory conduction
- (D) Axoplasmic flow

17) A 32 year old female comes with complaints of weight gain, lethargy, cold intolerance, constipation, cool extremities, puffy face menorrhagia. Her TSH level is increased. What is her probable diagnosis?

- (A) Cushing's syndrome
- (B) Myxedema
- (C) Hyperthyroidism
- (D) Addison's disease

18) A 35 year old man is admitted to the hospital after a traumatic brain injury, sustained when he fell from his motorcycle. Without any infection or inflammation, he develops a fever of 39 degree celsius. The fever is most likely due to lesion of which of the following ?

- (A) The anterior hypothalamus
- (B) The posterior hypothalamus
- (C) The lateral hypothalamus
- (D) The mammillary body

The tympanic / acoustic reflex is due to :


- (A) Contraction of tensor tympani and stapedius
(B) Inward movement of the eardrum
(C) Contraction of tensor tympani only
(D) Contraction of stapedius only

20)

Which of the following is not the function of relaxin hormone?

- (A) Inhibits uterine contractions
(B) Inhibits sperm motility
(C) Dilatation of uterine cervix
(D) Relaxing pubic symphysis

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

C1112B

Section B

Que2.Long Answer Questions

(1x12=12.00)

a.

Describe connections and functions of Cerebellum.

Add a note on signs of cerebellar dysfunctions. (4+5+3)

Que3.Short Answer Questions

(5x4=20.00)

a.

Why blockage in external auditory canal leads to conductive deafness?

b.

Why nerve does not show any response to second stimulus during absolute refractory period?

c.

Why damage to the thalamus can result in sensory deficits or altered perception?

d.

How Undescended testes (cryptorchidism) can impair fertility? Enumerate functions of Sertoli cells.

e.

Why the thyroid gland enlarges in conditions like Graves' disease?

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

(4x5=20.00)

a.

A 8 year old school boy came to OPD with his parents with complaints of fatigue, difficulty in getting up from sitting position, child uses his hands to climb up. As per the parents, over last two years symptoms are aggravating. He gets tired easily. No history of any pain. (2+3)

1) Identify the clinical condition and its cause in this patient.

2) Enumerate types of muscle proteins with its functions.

b.

A 40 year old man is brought by relatives with a complaints of rapid involuntary and dancing movements. He is forgetting day to day task and speech is slurred. He was diagnosed with Huntington's chorea (1+4)

1) What is the cause of this disorder?

2) What are the functions of basal ganglia?

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Define empathy?

What are the components of empathetic communication?

How to have an empathetic approach in patient care?

d.

A 45 year old male patient presents with symptoms of fatigue, polyphagia, excessive thirst, frequent urination at night, weight loss. Investigations revealed increased blood glucose level. (1+4)

- 1) Identify the clinical condition.
- 2) Describe the functions of hormone involved in this condition.

e.

A 35 year old female visited with a complain of 1 month amenorrhea. The consulting doctor advised a urine pregnancy test. It came positive, indicating that she is pregnant. (2 +3)

- 1) What is physiological basis of urine pregnancy tests?
- 2) Enumerate various hormones secreted by placenta & their functions.

Que5.Short Answer Questions (Solve any 4 out of 5)

(4x7=28.00)

a.

Define accommodation. Describe the neural pathway and changes occurring during accommodation to near vision. (1+4+2)

b.

Classify reflexes. Describe properties of reflexes. (2+5)

c.

Describe physiological actions of parathyroid hormone. Add a note on tetany. (4+3)

d.

Describe the mechanism of ovulation. Enumerate the various tests to detect ovulation. (5+2)

e.

Describe the role of hypothalamus in temperature regulation. Add a note on hypothermia. (5+2)

1. Course and Year : First MBBS (applicable w.e.f. June 2020 & onwards examinations)	2. Subject Code : Appendix - a
3. Subject (PSP) : Physiology (TT) :	
4. Paper : : I/II	5. Total Marks : 100
	6. Total Time : 3 Hrs.
7. Web Pattern : []	8. Web Skeleton : []
	9. Web Syllabus : []
	10. Web Old QP : []

- Instructions:**
- 1) Put in the appropriate box below the question number once only.
 - 2) Use blue ball point pen only.
 - 3) Each question carries **One mark**.
 - 4) Students will not be allotted mark if he/she overwrites strikes or put white ink on the cross once marked.

SECTION "A" MCQ (20 Marks)

1. Multiple Choice Questions (Total 20 MCQ of One mark each) (4 MCQ Should be CASE based) (20x1=20)
- a) b) c) d) e) f) g) h) i) j)
k) l) m) n) o) p) q) r) s) t)

SECTION "B" & "C"

- Instructions:**
- 1) Use blue/black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to 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. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As It is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for all sections.

SECTION "B" (40 Marks)

2. Short Answer Questions (Any Four out of Five & two SAQs will be Clinical Application Based) (4 x 5 = 20)
- a) b) c) d) e)
3. Long Answer Questions (Any Two out of Three) (2 x 10 = 20)
- a) b)

SECTION "C" (40 Marks)

4. Short answer questions (Any Four out of Five) (1 Should be on AETCOM module 1.2/1.3 in Paper I & two SAQs will be Clinical Application Based) (4 x 5 = 20)
- a) b) c) d) e)
5. Long Answer Questions (Any Two out of Three) (20)
- a) b) c)

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MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK
FORMAT / SKELETON OF QUESTION PAPER

FIRST MBBS (CBME-2023)

ANATOMY/PHYSIOLOGY/BIOCHEMISTRY (PAPER I & II)
TOTAL MARKS = 100 Time: 3 Hrs.

SECTION "A" MCQs (20 Marks)

1. Multiple Choice Questions (Total 20 MCQ of One Mark Each At least 5 should be scenario-based MCQ.) (20x1=20)

- 1) 2) 3) 4) 5) 6) 7) 8) 9) 10)
11) 12) 13) 14) 15) 16) 17) 18) 19) 20)

SECTION "B"

- Instructions:--
- 1) Use black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If anything is written, 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

SECTION "B"

2. Short Answer Questions : (Any 8 out of 9) (Question a & b Clinical based, & Question (i) ATCOM based) (8x7=56)

- a) b) c) d) e) f) g) h) i)

3. Long Answer Questions (Any 2 Out of 3) (2x12=24)

a) b) c)

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Theory Paper pattern

| Question No. | Type of Question | Marks |
|---------------------------|---|---------------|
| 1. MCQ | Recall, Comprehension and Problem solving type
Minimum 5 Scenario based questions | 1 M x 20 = 20 |
| 2. Long Answer Question | One – Structured
(No choice) | 12 M x 1 = 12 |
| 3. Short Answer Questions | Five – Reasoning type
(No choice) | 4 M x 5 = 20 |
| 4. Short Answer Question | Four - Application based questions
(including topics of integrated modules)
One question from AETCOM Module
(Any 4 out of 5 to be attempted by students) | 5 M x 4 = 20 |
| 5. Short Answer Questions | Four - Core topics
(Any 4 out of 5 to be attempted by students) | 7 M x 4 = 28 |

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Table 10 : Marks distribution for various subjects for University Annual Examinations

| Phase of Course | Theory | Practicals | Passing criteria |
|-----------------------------|---------------|------------|--|
| 1st MBBS | | | |
| Anatomy- 2 papers | Paper 1- 100 | 100 | Mandatory to get 40% marks separately in theory and in practicals; and totally 50% for theory plus practicals. |
| | Paper 2 -100 | | |
| ✓ Physiology- 2 papers | Paper 1- 100 | 100 | |
| | Paper 2 -100 | | |
| Biochemistry- 2 papers | Paper 1- 100 | 100 | |
| | Paper 2- 100 | | |
| 2nd MBBS | | | |
| Pathology - 2 papers | Paper 1- 100 | 100 | |
| | Paper 2 -100 | | |
| Microbiology- 2 papers | Paper 1- 100 | 100 | |
| | Paper 2- 100 | | |
| | | | |
| Pharmacology- 2 papers | Paper 1 -100 | 100 | |
| | Paper 2- 100 | | |
| Final MBBS part 1 | | | |
| Forensic Med. Tox.- 1 paper | Paper 1 - 100 | 50 | |
| Community Med- 2 papers | Paper 1 -100 | 100 | |
| | Paper 2- 100 | | |
| | | | |

For NEXT, as per NEXT regulations.

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MARKLIST FOR INTERNAL ASSESSMENT

(Summer/Winter-20..... Exam (UG Medical))

Anatomy/Physiology/Biochemistry

Applicable w.e.f August 2019 onwards examination for batches admitted from June 2019 onwards

| Sr.No | I-Exam (December) | | | II-Exam (March) | | | Preliminary Examinations | | |
|--------|-------------------|---|-------------|-----------------|---|-------------|---|-------------|-----|
| | Theory | Practical (Including 05 Marks for Journal & Log Book) | Total Marks | Theory | Practical (Including 05 Marks for Journal & Log Book) | Total Marks | III-Exam (July) | | |
| Theory | | | | | | | Practical Including 10 Marks for Journal & Log Book | Total Marks | |
| | 100 | 50 | 150 | 100 | 50 | 150 | 200 | 100 | 300 |

Conversion Formula for calculation of marks in internal assessment examinations

| | First IA | Second IA | Third IA (Prelim) | Total | Internal assessment marks conversion formula (out of 40) | Eligibility to appear for final university examination (after conversion out of 40) (40% Separately in Theory and Practical 50% Combined) | Total of Theory + Practical <u>Must be 40.</u> |
|-----------|----------|-----------|-------------------|-------|--|---|--|
| Theory | 100 | 100 | 200 | 400 | $\frac{\text{Total marks Obtained}}{10}$ | 16 (minimum) | |
| Practical | 50 | 50 | 100 | 200 | $\frac{\text{Total marks Obtained}}{5}$ | 16 (minimum) | |

Conversion formula for calculation of marks in Remedial internal assessment examination

| | Remedial Exam (Prelim) | Int.Assess.marks conversion formula (out of 40) | Eligibility to appear for Supplementary Exam (after conversion out of 40) (40% Separately in Theory and Practical, 50% Combined) | Total of Theory + Practical <u>Must be 40.</u> |
|-----------|------------------------|---|--|--|
| Theory | 200 | $\frac{\text{Total marks Obtained}}{05}$ | 16 (minimum) | |
| Practical | 100 | $\frac{\text{Total marks Obtained}}{2.5}$ | 16 (minimum) | |

While preparing Final Marks of Internal Assessment, the rounding-off marks shall done as illustrated in following table.

| Internal Assessment Marks | Final Rounded Marks |
|---------------------------|---------------------|
| 15.01 to 15.49 | 15 |
| 15.50 to 15.99 | 16 |

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Internal Assessment

Physiology


Applicable w.e.f August 2019 onwards examination for batches admitted from June 2019 onwards

| Sr. No | I-Exam (December) | | | II-Exam (March) | | |
|--------|-------------------|---|-------------|-----------------|---|-------------|
| | Theory | Practical (Including 05 Marks for Journal & Log Book) | Total Marks | Theory | Practical Including 05 Marks for Journal & Log Book | Total Marks |
| 1 | 100 | 50 | 150 | 100 | 50 | 150 |

| Sr. No | Preliminary Examinations
III-Exam (July) | | | Remedial Examination (after University Examination) | | |
|--------|---|---|-------------|---|---|-------------|
| | Theory | Practical Including 10 Marks for Journal & Log Book | Total Marks | Theory | Practical Including 10 Marks for Journal & Log Book | Total Marks |
| 1 | 200 | 100 | 300 | 200 | 100 | 300 |

1. There will be 3 internal assessment examinations in the academic year. The structure of the internal assessment theory examinations should be similar to the structure of University examination.
2. There will be only one additional examination for absent students (due to genuine reason) after approval by the Institutional Grievances Committee. It should be taken after preliminary examination and before submission of internal

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assessment marks to the University. (It is mandatory for the students to appear for all the three internal assessment examination.)

3. First internal assessment examination will be held in December, second internal assessment examination will be held in March and third internal assessment examination will be held in July.
4. Internal assessment marks for theory and practical will be converted to out of 40. Internal assessment marks, after conversion, should be submitted to university by 7th of August.
5. The student who scores 35% marks separately in theory & practical internal assessment examinations is eligible to appear for university examinations
6. It is mandatory to secure at least 50% marks of the total marks (combined in theory & practical) assigned for internal assessment in the particular subject in order to be declared successful at the final University Examination of that subject.
7. **Remedial internal assessment examination for students:**
 - a. Applicable for students who got individual theory or practical marks between 35% and 50% but did not score aggregate 50% (combined in theory and practical) for the subject: Remedial internal assessment should be organized by the college immediately after the completion of university examination of the affected students. The revised internal assessment marks (converted out of 40 each) of such students should be sent to the University within maximum of 15 days after university examination of these students. Such a remedial examination shall be conducted by allocating only three days per subject without any gap (two days for theory and one day for practical).
8. The internal assessment marks of the remedial examination alone shall be considered.
9. **Conversion Formula for calculation of marks in internal assessment examinations**

Internal assessment pattern for First MBBS · 2023

Theory

| | first internal assessment | Second internal assessment | Prelim Examination | Continuous internal assessment | Final calculation formula | Internal Assessment Marks out of 100 as per formula in E |
|-------|---------------------------|----------------------------|--------------------|--------------------------------|---------------------------|--|
| | A | B | C | D | E | F |
| Marks | 100 | 100 | 200 | 100 | $\frac{A+B+C+D}{5}$ | |
| | | | | | | |

Practical

| | first internal assessment | Second internal assessment | Prelim Examination | Continuous internal assessment | Final calculation formula | Internal Assessment Marks out of 100 as per formula in E |
|-------|---------------------------|----------------------------|--------------------|--------------------------------|---------------------------|--|
| | A | B | C | D | E | F |
| Marks | 100 | 100 | 100 | 200 | $\frac{A+B+C+D}{5}$ | |
| | | | | | | |

- Learners must secure at least 50% of the total marks (combined in theory and practical / clinical; and minimum 40% in theory and practical separately) for internal assessment in a particular subject in order to be eligible for appearing at the final University examination of that subject.
- The results of internal assessment should be intimated to students at least once in 3 months and as and when a student wants to see the results

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PROPOSED INTERNAL ASSESSMENT SCHEME FOR FIRST MBBS (2024-25 BATCH)

INTERNAL ASSESSMENT EXAMINATIONS:

A) THEORY:

| Sr. No. | A-I) Theory Internal Assessment (IA) Examinations | Marks |
|---------|--|------------|
| 1 | First Internal Assessment Examination | 100 |
| 2 | Second Internal Assessment Examination | 100 |
| 3 | Third Internal Assessment Examination / Preliminary Examination
• Paper I: 100 Marks
• Paper II: 100 Marks | 200 |
| | Total | 400 |
| | A-II) Other Continuous Internal Assessments: | |
| 1 | Continuous Class Tests: (including Variety of Questions – LAQ, SAQ, MCQ etc) | 50 |
| 2 | Seminar | 15 |
| 3* | Home Assignment | 20 |
| 4* | Museum Study | 15 |
| | Total | 100 |
| | Theory Total Internal Assessment (A-I + A-II) | 500 |

*Sr. No. 3 and 4 will be evaluated as per the quality of reflection, assignment in logbook after the activity.

Sr. No. 2, 3, 4 comprise of Self-Directed Learning (SDL) activities

B) PRACTICAL/ SMALL GROUP TEACHING (SGT):

| Sr. No. | B-I) Practical Internal Assessment (IA) Examinations | Marks |
|---------|---|------------|
| 1 | First Internal Assessment Examination | 100 |
| 2 | Second Internal Assessment Examination | 100 |
| 3 | Third Internal Assessment Examination / Preliminary Examination | 100 |
| | Total | 300 |
| | B-II) Practical Other Continuous Internal Assessments | |
| 1 | Skills / Part Completion Test (Gross Anatomy) | 100 |
| 2* | Attitude, Ethics and Communication (AETCOM) | 20 |
| 3 | Journal: -
First IA: 5 Marks
Second IA: 5 Marks
Third IA Preliminary Examination: 10 Marks | 20 |
| 4* | Simulation and Virtual Laboratory (SVL) activity / Radiology – Living Anatomy | 40 |
| 5* | Research principles as applicable to the subject | 20 |
| | Total | 200 |
| | Practical Total Internal Assessment (B-I + B-II) | 500 |

*Sr. No. 2, 4 & 5 will be evaluated as per the quality of reflection, assignment in logbook after the activity.

ELIGIBILITY CRITERIA FOR APPEARING FINAL UNIVERSITY EXAMINATION:

- Total Internal Assessment for Theory will be 500 marks, which will be reduced to absolute marks out of 100. Similarly, Total Internal Assessment for Practical will be 500 marks, which will be reduced to absolute marks out of 100.
- Students must secure at least 50% of the total marks combined in theory and practical (i.e. Total 500/1000 or 100/200 Cumulative); and minimum 40% in theory (i.e. Total 200/500 or 40/100 Cumulative) and practical (i.e. Total 200/500 or 40/100 Cumulative) separately for internal assessment in a particular subject in order to be eligible for appearing at the final University examination of that subject.

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I MBBS CBME (2024)

8. Conversion Formula for calculation of marks in Internal assessment examinations

| | First AI | Second AI | Third AI (Prelim) | Conti. Internal Assessment | Total | Internal assessment marks: Conversion formula (out of 100) | Eligibility to appear for final University examination | Minimum marks to be obtained to declare the final University examination result (out of 50% combined in theory and practical) |
|-----------|----------|-----------|-------------------|----------------------------|-------|--|--|---|
| Theory | 100 | 100 | 200 | 100 | 500 | $\frac{\text{Total Marks}}{5}$ | 40 | 100 |
| Practical | 100 | 100 | 100 | 200 | 500 | $\frac{\text{Total Marks}}{5}$ | 40 | |

9. Conversion formula for calculation of marks in Remedial internal assessment examination

| | Marks Obtained Remedial Exam (Prelim) | Conversion of Marks obtained in Remedial Exam [Out of 400 Theory / Practical 300] | Continuous Internal Assessment (Y) | Int. Assess. marks conversion formula (out of 100) | Minimum marks to be obtained combined in theory and practical Candidate shall obtain 50% marks in aggregate and 60:40 (minimum) or 40:60 (minimum) in examination separately in theory and practical |
|-----------|---------------------------------------|---|------------------------------------|--|--|
| Theory | X (Out of 200) | 2X | Y | $(2X + Y) / 5$ | 100 |
| Practical | X (Out of 100) | 3X | Y | $(2X + Y) / 5$ | |

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While preparing Final Marks of Internal Assessment, the rounding-off marks shall done as illustrated in following table

| Internal Assessment | Marks Final rounded marks |
|---------------------|---------------------------|
| 18.01 to 19.49 | 19 |
| 19.50 to 19.99 | 20 |



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MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK



(To be submitted by the Senior External Examiner)

INTERNAL ASSESSMENT REPORT (To be attached to the IA Mark-lists)

Exam Session : Summer/Winter OCT 2025
Name of College : VDGMC Latur
Name of Course : I MBBS
Year of Course : 2024-25
Name of Subject : Physiology

I, Dr./Mr./Mrs. BORSE LAXMIKANT J. hereby certify that all the Answerbooks/marks of Internal Assessment entered by the College, are verified as per norms of respective Commissions/Councils/University, and found correct/Incorrect.

Discrepancies found are as follows, if any :

- 1. NIL
2.
3.
4.
5.
6.
7.
8.
9.
10.

Signature of External Examiner

Name : Dr. Borse Laxmikant J.
Contact No.: 7738823108
Date : 17/10/2025
Place : Latur.

Signature :
Certified by DEAN
Vilasrao Deshmukh Government
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MAHARASHTRA UNIVERSITY OF HEALTH
SCIENCES, NASHIK



(To be submitted by the Senior External Examiner)

INTERNAL ASSESSMENT REPORT
(To be attached to the IA Mark-lists)

Exam Session: Summer/Winter 2025

Name of College: VDGMC, Latur

Name of Course: MBBS

Year of Course: Ist year CBME - 2019

Name of Subject: Physiology

I, Mr/Mrs. Pratima D. Khatake hereby certify that all the Answerbooks/marks of Internal Assessment entered by the College, are verified as per norms of respective Commissions/Councils/University, and found Correct/Incorrect.

If discrepancies found are as follows, if any :

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

NIL

Pratima D. Khatake

Signature of External Examiner

Name : Dr. Pratima D. Khatake

Contact No.: 7709074801

Date : 27/10/2025

Place : Latur

Signature: [Signature]

Certified by Dean/Principal
DEAN

Vilasrao Deshmukh Government
Medical College, Latur



S. J. Jem

Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur



MAHARASHTRA UNIVERSITY OF HEALTH
SCIENCES, NASHIK



(To be submitted by the Senior External Examiner)

INTERNAL ASSESSMENT REPORT
(To be attached to the IA Mark-lists)

Exam Session : Summer/Winter 2025

Name of College : VDGMC, Latur

Name of Course : MBBS

Year of Course : Ist year CBME-2023

Name of Subject : Physiology

I, Dr./Mr./Mrs. Pratima D. Khatake hereby certify that all the Answerbooks/marks of Internal Assessment entered by the College, are verified as per norms of respective Commissions/Councils/University, and found correct/incorrect.

Discrepancies found are as follows, if any :

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Pratima

Signature of External Examiner

Name : Dr. Pratima D. Khatake

Contact No.: 770907480

Date : 27/10/2025

Place : Latur

Signature : [Signature]

Certified by Dean/Principal
DEAN

Vilasrao Deshmukh Government
Medical College, Latur



S. S. S. S.
Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur



MAHARASHTRA UNIVERSITY OF HEALTH
SCIENCES, NASHIK



(To be submitted by the Senior External Examiner)

INTERNAL ASSESSMENT REPORT
(To be attached to the IA Mark-lists)

Exam Session : Summer/Winter 2025

Name of College : VDGMC, Latur

Name of Course : Ist MBBS

Year of Course : Ist year CBME - 2024

Name of Subject : Physiology

I, Dr./Mr./Mrs. Pratima D. Khatake hereby certify that all the Answerbooks/marks of Internal Assessment entered by the College, are verified as per norms of respective Commissions/Councils/University, and found correct/Incorrect.

Discrepancies found are as follows, if any :

1. — NIL —
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Pratima

Signature of External Examiner

Name : Dr. Pratima D. Khatake

Contact No.: 7709074801

Date : 29/10/2025

Place : Latur.

Signature : [Signature]

Certified by Doan/Principal
DEAN

Vilasrao Deshmukh Government
Medical College, Latur



S. S. Sene

Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

Practical Mark list for Prelim examination Physiology
(As per CBME 2024 Guidelines)

| | Exercise 1 | | | | Exercise 2 | Exercise 3 | Exercise 4 | Total practical marks | Oral/Viva | Total |
|-------------|------------|-----|----------------------|-------------------------------|-------------|----------------|-----------------------------|-----------------------|-----------|-------|
| | C.V.S | R.S | CNS & Special Senses | General Examination & Abdomen | Haematology | Short exercise | Human Physiology experiment | | | |
| Marks | 10 | 10 | 10 | 10 | 10 | 15 | 15 | 80 | 20 | 100 |
| | A | B | C | D | E | F | G | H | I | J |
| Roll number | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |

MUHS Final Examination mark list
Physiology
(As per CBME 2024 Guidelines)

| | Exercise 1 | | | | Exercise 2 | Exercise 3 | Exercise 4 | Total practical marks | Oral/Viva | Total |
|-------------|------------|-----|----------------------|-------------------------------|-------------|----------------|-----------------------------|-----------------------|-----------|-------|
| | C.V.S | R.S | CNS & Special Senses | General Examination & Abdomen | Haematology | Short exercise | Human Physiology experiment | | | |
| Marks | 10 | 10 | 10 | 10 | 10 | 15 | 15 | 80 | 20 | 100 |
| | A | B | C | D | E | F | G | H | I | J |
| Seat Number | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Format for First and second Internal Assessment Examination and prelims will be same as MUHS Final examination Question papers guidelines as updated by MUHS Nashik

S. S. Semu
Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

[Signature]
Professor & H.O.D.
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

First Year MBBS Physiology Practical Mark's Structure(MUHS)

(Applicable for batch admitted in M.B.B.S Course from Academic Year 2019-20 & onwards)

| | Exercise 1 | | | | Exercise 2 | Exercise 3
* | Exercise 4** | Practical
(Total) | Oral/Viva
(Total) | PR/Oral
Total |
|----------------|----------------------|------|-------------------------------|------------------------------|------------|--------------------|-----------------------------------|----------------------|----------------------|------------------|
| | Clinical Examination | | | | Hematology | Short
exercises | Human
Physiology
Experiment | | | |
| | C.V.S | R.S | C.N.S. &
Special
Senses | General
Exam &
Abdomen | | | | | | |
| | A | B | C | D | E | F | G | H | I | J |
| Max.
Mark's | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 80 | 20.0 | 100 |
| | | | | | | | | | | |
| | | | | | | | | | | |

*Short exercises 3 marks each(3X5)

1. Case based scenarios/ endocrine disorders photographs .2. Interpretation of function tests. 3. One skeletal graph
4. One cardiac graph 5. Calculation

** Exercise 4: Human Physiology Experiment 1. Basic Life Support in a simulated environment 2. ECG 3. Spirometry 4. PEFR 5. EEG Interpretation 6. Ergography 7. Harward step test 8. Perimetry

* Suggested Methods of Assessment

Clinical exam & OSPE

S. S. Senis
Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

SJK
Professor & H.O.D.
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

Mark List for Part Completion I & II

Subject: Physiology Ist phase MBBS

| Roll number | Hematology | Clinical Examination / Human experiments | Short Exercise | Viva | Total marks |
|-------------|------------|--|----------------|----------|-------------|
| | 20 Marks | 40 marks | 20 marks | 20 marks | 100 marks |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| | | | | | |

S. Sreem:

Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

[Signature]

Professor & H.O.D.
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

First Year MBBS Practical Mark's Structure

Internal Assessment Examinations I & II

(Applicable for batch admitted in M.B.B.S Course from Academic Year 2019-20 & onwards)

| Physiology | | | | | |
|-------------------|------------|---|---------------------|-----------|-------|
| | Hematology | Clinical Examination/Human Physiology expt. / Short exercises | Journal/
Logbook | Oral Viva | Total |
| | A | B | C | D | E |
| Max.
Marks | 15 | 20 | 5 | 10 | 50 |
| | | | | | |
| | | | | | |

S. S. Sene

Associate Professor
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Medical College, Latur



Professor & H.O.D.
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur



CERTIFIABLE SKILL BASED COMPETENCIES
CHECK LIST FOR CVS, AUSCULTATION OF HEART SOUND

1. Stand on the subject's right side, explain the test procedure and take consent.
2. Check for the normal functioning of stethoscope.
3. Expose the subject's chest completely.
4. Locate the mitral, tricuspid area after the proper counting of intercoastal spaces.
5. Locate the aortic and pulmonary area after the proper counting of intercoastal spaces.
6. Place the diaphragm of stethoscope on one of the heart area.
7. Place the ear pieces of stethoscope comfortably into the ear along the direction of ear canal.
8. Listen the heart sound while fingers on carotid artery.
9. Listen on all 4 heart sound areas.
10. Listen for several minutes before coming to conclusion.

S. Sremy

Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

[Signature]

Professor & H.O.D.
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur



Date. / /2025

**CONTINUOUS INTERNAL ASSESSMENT (PRACTICAL):
CERTIFIABLE SKILL BASED COMPETENCIES**

CHECK LIST FOR RBC COUNT

1. Check for cleanliness, dryness, patency of the RBC pipette and take the diluting fluid in a watch glass.
2. Takes the aseptic precautions while pricking the finger.
3. First drop of blood is wiped off and sucks the blood into the pipette exactly up to 0.5 mark without forming bubble in it.
4. Wiped off the blood sticking to the tip of the pipette with non-absorbent material.
5. Sucks the diluting fluid into the pipette up to the 101 mark without forming bubbles in it.
6. Mix the content of the bulb of pipette by rolling it horizontally between the palms and place it on a horizontal surface.
7. Place a clean coverslip over Neubauer's chamber and focus it under low power objective (10X) of the microscope.
8. Charge the Neubauer's chamber accurately after discarding first few drops of fluid from pipette.
9. Place the Charged Neubauer's chamber on the stage of microscope and focus RBC squared under high power objective (40X).
10. Count the RBC's in 5 medium sized squares (4 corner and 1 central) by using rule of counting the cells.


Associate Professor
Department of Physiology
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Medical College, Latur


Professor & H.O.D.
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

BIODATA OF INTERNAL EXAMINER
MUHS SUMMER EXAMINATION 2025

MUHS Appointment No. Ref.No.MUHS/Pract./Appt/322225,23&24/2025, Date:- 12/09/2025
Name: Dr.Sushma Shivajirao Jadhav
Contact No: 9423592277
Email ID: drsushma77@gmail.com
Current designation: Professor & HOD
Current institute: VDGMC, Latur, Dist- Latur, Pin Code - 413512
Correspondence Address: Dept of Physiology, VDGMC, Latur, Dist- Latur, Pin Code - 413512

Qualification Details:


| Sr. No | Qualification | Institute | University | Passing Year |
|--------|--------------------|-----------------------|------------------------------|--------------|
| 1 | MBBS | Dr.V.M.G,M.C. Solapur | Shivaji University, Kolhapur | 1995 |
| 2 | MD/MS (Physiology) | Dr.BAMU, Aurangabad | Dr.BAMU, Aurangabad | 1999 |
| 3 | PhD | - | - | - |

Teaching Experience:

| Sr. No | Designation | Institute | From | To | Total |
|--------|---------------------|----------------|------------|------------|---------------|
| 01 | Assistant Professor | GMC, Nanded | 19/01/1999 | 06/08/2004 | 05 (y) 08 (m) |
| | | GMC, Latur | 06/08/2004 | 30/11/2004 | 04 Months |
| 02 | Associate Professor | GMC, Latur | 01/12/2004 | 25/09/2016 | 11 (y) 06 (m) |
| 03 | Professor | VDGMC, Latur | 26/09/2016 | 26/02/2022 | 05 (y) 05 (m) |
| | | GMC, Dharashiv | 18/08/2023 | 06/03/2024 | 06 Months |
| | | VDGMC, Latur | 07/03/2024 | Till Date | 01 (y) 07 (m) |

The above information is correct to the best of my knowledge.

Date: 17/ 12/2025

Sign: 
Professor & H.O.D.
Department of Physiology
Name of Internal: Dr.Sushma Shivajirao Jadhav
Vilasrao Deshmukh Government Medical College, Latur

BIODATA OF INTERNAL EXAMINER

MUHS SUMMER EXAMINATION 2025

MUHS Appointment No. Ref.No.MUHS/Pract./Appt/322225,23&24/2025, Date:- 12/09/2025
Name: Dr.Umesh Pralhadrao Lad
Contact No: 7036804270
Email ID: umeshlad.res@gmail.com
Current designation: Associate Professor
Current institute: VDGMC, Latur, Dist- Latur, Pin Code - 413512
Correspondence Address: Dept of Physiology, VDGMC, Latur, Dist- Latur, Pin Code - 413512

Qualification Details:

| Sr. No | Qualification | Institute | University | Passing Year |
|--------|----------------------|---------------------------------|-----------------|--------------|
| 1 | MBBS | Ndmvps's Medical College Nashik | Pune University | 2004 |
| 2 | MD/M
(Physiology) | B.J. Medical College Pune | MUHS Nashik | 2009 |
| 3 | PhD | - | - | - |

Teaching Experience:

| Sr. No | Designation | Institute | From | To | Total |
|--------|---------------------|---|------------|------------|---------------|
| 01 | Assistant Professor | Konaseema Institute Of Medical Sciences Amalapuram (AP) | 07/08/2009 | 06/08/2013 | 04 (y) 0 (m) |
| 02 | Associate Professor | Konaseema Institute Of Medical Sciences Amalapuram (AP) | 07/08/2013 | 23/12/2013 | 00 (y) 04 (m) |
| | | Bkl Walawalkar Medical College Chiplun (MH) | 07/01/2014 | 08/04/2014 | 00 (y) 03 (m) |
| | | Narayana Medical College Nellore (AP) | 11/04/2014 | 15/10/2014 | 00 (y) 06 (m) |
| | | Konaseema Institute Of Medical Sciences Amalapuram (AP) | 16/10/2014 | 16/10/2015 | 01 (y) 00 (m) |
| | | Vilasrao Deshmukh Government Medical College Latur | 26/10/2015 | Till Date | 08 (y) 04 (m) |
| 03 | Professor | -- | -- | -- | -- |

The above information is correct to the best of my knowledge.

Date: 17/10/2025

Sign:


Associate Professor
Department of Physiology
Name of Internal Government
Vilasrao Deshmukh Pralhadrao Lad
Medical College, Latur

BIODATA OF EXTERNAL EXAMINER

MUHS SUMMER EXAMINATION 2025

MUHS Appointment No. Ref.No.MUHS/Pract./Appt/322225,23&24/2025, Date:- 12/09/2025
Name: Dr.Laxmikant Jairam Borse
Contact No: 7738323108
Email ID: borselaxmikant@gmail.com
Current designation: Professor (Additional)
Current institute: Seth G S Medical College & KEM Hospital Parel, Mumbai -
Pin Code - 400012
Correspondence Address: Dept of Physiology, GSMC,Parel Mumbai Pin Code- 400012

Qualification Details:

| Sr. No | Qualification | Institute | University | Passing Year |
|--------|-------------------|--|-------------|--------------|
| 1 | MBBS | B.J.Government Medical College, Pune (M.S) | MUHS Nashik | May-2001 |
| 2 | MD/M (Physiology) | Dr.D.Y.Patil Medical College, Pimpri, Pune (M.S) | MUHS Nashik | June-2009 |
| 3 | PhD | - | - | - |

Teaching Experience:

| Sr. No | Designation | Institute | From | To | Total |
|--------|----------------------------------|---|-----------|-----------|-------------------|
| 1 | Assistant Professor | Dr.Ulhas Patil Medical College, Jalgaon (M.S) | Oct-2009 | Aug-2010 | 04 Months 08 Days |
| | | Seth GSMC & KEMH | Sept-2010 | Aug-2020 | 10 Yrs |
| 2 | Associate Professor (Additional) | Seth GSMC & KEMH | Sept-2020 | Aug-2023 | 03 Yrs |
| 3 | Professor (Additional) | Seth GSMC & KEMH | Sept-2023 | Till Date | 02 Yrs 01 Month |

The above information is correct to the best of my knowledge.

Date: 17/10/2025

Sign:



Name of External: Dr.Laxmikant Jairam Borse

BIODATA OF EXTERNAL EXAMINER

MUHS SUMMER EXAMINATION 2025

MUHS Appointment No. Ref.No.MUHS/Pract./Appt/322225,23&24/2025, Date:- 12/09/2025
Name: Dr.Ajay Madhavrao Gavkare
Contact No: 9890942743
Email ID: drajaygavkare1998@gmail.com
Current designation: Associate Professor
Current institute: GMC, Buldhana, Dist- Buldhana, Pin Code - 443001
Correspondence Address: Dept. of Physiology, Women's Hospital, TB Hospital Campus,
Dhad Road, Buldhana. – 443001 (Maharashtra)

Qualification Details:

| Sr. No | Qualification | Institute | University | Passing Year |
|--------|----------------------|-------------------------|-------------|--------------|
| 1 | MBBS | Dr.VMGMC, Solapur (M.S) | MUHS Nashik | 2002 |
| 2 | MD/M
(Physiology) | GMC, Aurangabad (M.S) | MUHS Nashik | 2010 |
| 3 | PhD | - | - | - |


Teaching Experience:

| Sr. No | Designation | Institute | From | To | Total |
|--------|---------------------|----------------|------------|------------|------------------|
| 01 | Assistant Professor | MIMSR MC Latur | 10-08-2010 | 31-08-2015 | 05 yrs |
| 02 | Asso. Professor | MIMSR MC Latur | 01-09-2015 | 29-02-2020 | 04 yrs 06 months |
| 03 | Professor | MIMSR MC Latur | 01-03-2020 | 28-04-2025 | 05 yrs |
| 04 | Asso. Professor | GMC Buldhana | 29-04-2025 | Till date | 05 months |

The above information is correct to the best of my knowledge.

Date: 17/10/2025

Sign:


Name of External: Dr.Ajay Madhavrao Gavkare

BIODATA OF INTERNAL EXAMINER

MUHS SUMMER EXAMINATION 2025

MUHS Appointment No. Ref.No.MUHS/Pract/Appt/322249,47&48/2025, Date:12/09/2025

Name: Dr.Savita Satyanarayanji Somani

Contact No: 9403911069

Email ID: drsomanisavita@gmail.com

Current designation: Associate Professor

Current institute: VDGMC, Latur, Dist. Latur

Correspondence Address: Dept of Physiology, VDGMC, Latur, Dist- Latur,

Pin Code - 413512

Qualification Details:

| Sr. No | Qualification | Institute | University | Passing Year |
|--------|---------------|-------------------|-------------|--------------|
| 1 | MBBS/M.Sc | SRTRGMC AMBAJOGAI | MUHS NASHIK | 2003 |
| 2 | MD/MS | SRTRGMC AMBAJOGAI | MUHS NASHIK | 2009 |
| 3 | PhD | - | - | - |

Teaching Experience:

| Sr. No | Designation | Institute | From | To | Total |
|--------|---------------------|-------------------|------------|------------|--------------------|
| 1 | Assistant Professor | SRTRGMC AMBAJOGAI | 28/07/2009 | 07/11/2024 | 15 years 03 Months |
| 2 | Associate Professor | GMC, Washim | 08/11/2024 | 04/06/2025 | 07 Months |
| | | VDGMC, Latur | 05/06/2025 | Till Date | 05 Months |
| 3 | Professor | - | - | - | - |

The above information is correct to the best of my knowledge.

Date: 29/10/2025

Sign:



Associate Professor
Department of Physiology
Nashik District Government
Medical College, Latur
Name of Examinor: Dr. Savita Satyanarayanji Somani

BIODATA OF INTERNAL EXAMINER
MUHS SUMMER EXAMINATION 2025

MUHS Appointment No. Ref.No.MUHS/Pract/Appt/322249,47&48/2025, Date:12/09/2025

Name: Dr.Snehalata Balasaheb Mali

Contact No: 7588628491

Email ID: sktodkari21@gmail.com

Current designation: Assistant Professor

Current institute: VDGMC, Latur Dist. Latur

Correspondence Address: Dept of Physiology, VDGMC, Latur, Dist- Latur,
Pin Code - 413512

Qualification Details:

| Sr. No | Qualification | Institute | University | Passing Year |
|--------|---------------|-------------------|-------------|--------------|
| 1 | MBBS/M.Sc | RCSMGMC, Kolhapur | MUHS NASHIK | 2008 |
| 2 | MD/MS | GMC, Latur | MUHS NASHIK | 2015 |
| 3 | PhD | - | - | - |

Teaching Experience:

| Sr. No | Designation | Institute | From | To | Total |
|--------|---------------------|--------------------|------------|------------|--------------------|
| 1 | Assistant Professor | GMC, Miraj | 21/07/2015 | 18/07/2016 | 01 Years |
| | | GMC, Latur | 02/11/2016 | 30/10/2017 | 01 Years |
| | | MIMSR, Latur | 01/02/2021 | 25/01/2023 | 01 Years 11 Months |
| | | SRTRGMC, Ambajogai | 20/07/2019 | 14/11/2020 | 01 Years 04 Months |
| | | SRTRGMC, Ambajogai | 27/01/2023 | 11/06/2025 | 02 Years 05 Months |
| | | VDGMC, Latur | 12/06/2025 | Till Date | 04 Months |
| 2 | Associate Professor | - | - | - | - |
| 3 | Professor | - | - | - | - |

The above information is correct to the best of my knowledge.

Date: 29 / 10 / 2025

Sign: 

Assistant Professor
Department of Physiology
Vidya Dechamkhi Government Medical College, Latur
Dr. Snehalata Balasaheb Mali

BIODATA OF EXTERNAL EXAMINER**MUHS SUMMER EXAMINATION 2025**

MUHS Appointment No. Ref.No.MUHS/Pract/Appt/322249,47&48/2025, Date:12/09/2025

Name: Dr.Pratima Dinkar Khatake

Contact No: 7709074801

Email ID: pratima8687@gmail.com

Current designation: Assistant Professor

Current institute: PAH Government Medical College, Baramati, Dist.Pune

Correspondence Address: Medical Campus, PAH GMC, Baramati, Pin Code - 413102

Qualification Details:

| Sr. No | Qualification | Institute | University | Passing Year |
|--------|---------------|---|-------------|--------------|
| 1 | MBBS/M.Sc | MIMER Medical college, Talegaon Dabhade, Pune | MUHS Nashik | 2010 |
| 2 | MD/MS | Government Medical College, Latur | MUHS Nashik | 2014 |
| 3 | PhD | - | - | - |

Teaching Experience:

| Sr. No | Designation | Institute | From | To | Total |
|--------|---------------------|--|------------|------------|----------------------------|
| 1 | Assistant Professor | GMC , Nagpur | 04/09/2014 | 02/09/2016 | 01 Yrs |
| | | MNR Medical College, Sangareddy, Hyderabad | 26/09/2015 | 28/05/2016 | 08 Months 02 Days |
| | | Great Eastern Medical School & Hospital Sirkakulam | 01/06/2016 | 30/09/2018 | 02 Yrs 04 Months |
| | | Punyashlok Ahilyadevi Holkar Government Medical College & General Hospital, Baramati | 24/03/2022 | 24/01/2023 | 01 Yrs 03 Months |
| | | | 25/01/2023 | Till Date | 02 Yrs 08 Months |
| 2 | Associate Professor | Great Eastern Medical School & Hospital Sirkakulam | 01/10/2018 | 31/01/2019 | 04 Months |
| | | DVVPF's Ahmednagar | 01/03/2019 | 25/09/2020 | 01 Yrs, 06 Months, 02 Days |
| | | SMCW, Lavale, Pune | 30/11/2020 | 09/03/2022 | 01 Yrs 03 Months |
| 3 | Professor | - | - | - | - |

The above information is correct to the best of my knowledge.

Date: 29 /10/2025

Sign: 

Name of External: Dr.Pratima Dinkar Khatake

BIODATA OF EXTERNAL EXAMINER
MUHS SUMMER EXAMINATION 2025

MUHS Appointment No. Ref.No.MUHS/Pract/Appt/322249,47&48/2025, Date:12/09/2025

Name: Dr.Vijayalaxmi Vishwanath Gaware
Contact No: 7387739501
Email ID: vijaya123gaware@gmail.com
Current designation: Assistant Professor
Current institute: Government Medical College, Dharashiv, Dist.Dharashiv
Correspondence Address: Medical Campus, GMC, Dharashiv, Pin Code - 413501

Qualification Details:

| Sr. No | Qualification | Institute | University | Passing Year |
|--------|---------------|---|-------------|--------------|
| 1 | MBBS/M.Sc | Government Medical College, Nanded | MUHS Nashik | 2008 |
| 2 | MD/MS | Government Medical College, Chatrapatti Sambhajinagar | MUHS Nashik | 2015 |
| 3 | PhD | - | - | - |

Teaching Experience:

| Sr. No | Designation | Institute | From | To | Total |
|--------|---------------------|---|------------|------------|-------------------|
| 1 | Assistant Professor | GMC,Aurangabad | 10/02/2016 | 18/06/2016 | 04 Months 08 Days |
| | | Dr.S.C.Government Medical College, Nanded | 05/08/2016 | 31/05/2017 | 01 Yrs 01 Month |
| | | GMC,Latur | 23/11/2017 | 15/11/2018 | 11 Months 22 Days |
| | | SRTRGMC,Ambajogai | 27/12/2018 | 19/05/2023 | 04 Yrs 08 Days |
| | | GMC, Nandurbar | 24/11/2023 | 04/06/2024 | 06 Months 11 Days |
| | | GMC, Dharashiv | 05/06/2024 | Till Date | 01 Yrs 04 Months |
| 2 | Associate Professor | MIMSR,Latur | 17/07/2023 | 22/11/2023 | 04 Months 05 Days |
| 3 | Professor | - | - | - | - |

The above information is correct to the best of my knowledge.

Date: 29/10/2025

Sign:



Name of External: Dr.Vijayalaxmi Vishwanath Gaware

Code: 1406 Centre Name: Vilasrao Deshmukh Government Medical College, Latur
 Students: 150+ Repeater
 Batch : A To F

| Anatomy | | | Physiology | | | Biochemistry | | |
|---------|------------|----------------|------------|------------|----------------|--------------|------------|----------------|
| Batch | Date | No. of Student | Batch | Date | No. of Student | Batch | Date | No. of Student |
| A | 15/10/2025 | 27 | A | 16/10/2025 | 27 | A | 17/10/2025 | 27 |
| B | 16/10/2025 | 27 | B | 17/10/2025 | 27 | B | 15/10/2025 | 27 |
| C | 17/10/2025 | 27 | C | 15/10/2025 | 27 | C | 16/10/2025 | 27 |
| D | 27/10/2025 | 27 | D | 28/10/2025 | 27 | D | 29/10/2025 | 27 |
| E | 28/10/2025 | 27 | E | 29/10/2025 | 27 | E | 27/10/2025 | 27 |
| F | 29/10/2025 | 27 | F | 27/10/2025 | 27 | F | 28/10/2025 | 27 |

S. S. Sema

Associate Professor
 Department of Physiology
 Vilasrao Deshmukh Government
 Medical College, Latur

Professor & H.O.D.
 Department of Physiology
 Vilasrao Deshmukh Government
 Medical College, Latur



महाराष्ट्र आरोग्य विज्ञान विद्यापीठ, नाशिक
MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK

Date: 23/08/2025

Tentative dates for M.B.B.S. Phase-I (CBME-2019, CBME-2023 and CBME-2024)

Practical Examination Summer-2025 Phase III

| <u>Date of Examination</u> | <u>M.B.B.S.</u> |
|--|-----------------|
| Starting date of Practical Examination | 23/09/2025 |
| Last date of Practical Examination | 31/10/2025 |

| <u>Sr. No.</u> | <u>Zones</u> | <u>Proposed Dates</u> |
|----------------|-------------------|--------------------------------|
| 1 | Pune | 23 September – 01 October 2025 |
| 2 | Nagpur | 23 September – 01 October 2025 |
| 3 | Solapur/Kolhapur | 23 September – 01 October 2025 |
| 4 | Sambhajinagar | 03 October – 18 October 2025 |
| 5 | Amaravati | 03 October – 18 October 2025 |
| 6 | Mumbai | 03 October – 18 October 2025 |
| 7 | Nanded/Latur | 15 October – 31 October 2025 |
| 8 | Konkan | 15 October – 31 October 2025 |
| 9 | North Maharashtra | 15 October – 31 October 2025 |

-SD-

(Dr. Sandeep Sitaram Kadu)
Controller of Examination

S. S. Semur
Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

[Signature]
Professor & H.O.D.
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

1st Year MBBS Batch Wise Time Table Summer/2025 Phase-IV Examination.

Nanded/Latur Zone

Code: 1403 Centre Name: Dr. Shankarrao Chavan Government Medical College, Nanded
 Students: 150+ Repeater
 Batch : A To F

| Anatomy | | | Physiology | | | Biochemistry | | |
|---------|------------|----------------|------------|------------|----------------|--------------|------------|----------------|
| Batch | Date | No. of Student | Batch | Date | No. of Student | Batch | Date | No. of Student |
| A | 26/10/2025 | 27 | A | 27/10/2025 | 27 | A | 28/10/2025 | 27 |
| B | 27/10/2025 | 27 | B | 28/10/2025 | 27 | B | 26/10/2025 | 27 |
| C | 28/10/2025 | 27 | C | 26/10/2025 | 27 | C | 27/10/2025 | 27 |
| D | 29/10/2025 | 27 | D | 30/10/2025 | 27 | D | 31/10/2025 | 27 |
| E | 30/10/2025 | 27 | E | 31/10/2025 | 27 | E | 29/10/2025 | 27 |
| F | 31/10/2025 | 27 | F | 29/10/2025 | 27 | F | 30/10/2025 | 27 |

Code: 1405 Centre Name: M.I.M.S.R. Medical College & Research Centre, Latur
 Students: 150+ Repeater
 Batch : A To F

| Anatomy | | | Physiology | | | Biochemistry | | |
|---------|------------|----------------|------------|------------|----------------|--------------|------------|----------------|
| Batch | Date | No. of Student | Batch | Date | No. of Student | Batch | Date | No. of Student |
| A | 15/10/2025 | 27 | A | 16/10/2025 | 27 | A | 17/10/2025 | 27 |
| B | 16/10/2025 | 27 | B | 17/10/2025 | 27 | B | 15/10/2025 | 27 |
| C | 17/10/2025 | 27 | C | 15/10/2025 | 27 | C | 16/10/2025 | 27 |
| D | 27/10/2025 | 27 | D | 28/10/2025 | 27 | D | 29/10/2025 | 27 |
| E | 28/10/2025 | 27 | E | 29/10/2025 | 27 | E | 27/10/2025 | 27 |
| F | 29/10/2025 | 27 | F | 27/10/2025 | 27 | F | 28/10/2025 | 27 |

Code: 1406 Centre Name: Vilasrao Deshmukh Government Medical College, Latur
 Students: 150+ Repeater
 Batch : A To F

| Anatomy | | | Physiology | | | Biochemistry | | |
|---------|------------|----------------|------------|------------|----------------|--------------|------------|----------------|
| Batch | Date | No. of Student | Batch | Date | No. of Student | Batch | Date | No. of Student |
| A | 15/10/2025 | 27 | A | 16/10/2025 | 27 | A | 17/10/2025 | 27 |
| B | 16/10/2025 | 27 | B | 17/10/2025 | 27 | B | 15/10/2025 | 27 |
| C | 17/10/2025 | 27 | C | 15/10/2025 | 27 | C | 16/10/2025 | 27 |
| D | 27/10/2025 | 27 | D | 28/10/2025 | 27 | D | 29/10/2025 | 27 |
| E | 28/10/2025 | 27 | E | 29/10/2025 | 27 | E | 27/10/2025 | 27 |
| F | 29/10/2025 | 27 | F | 27/10/2025 | 27 | F | 28/10/2025 | 27 |

S. S. Desai
Associate Professor
 Department of Physiology
 Vilasrao Deshmukh Government
 Medical College, Latur

[Signature]
Professor & H.O.D.
 Department of Physiology
 Vilasrao Deshmukh Governmen
 Medical College, Latur



Outward No/ /2025/PHY/VDGMC,Latur

Date. / /2025

Haematology Practical Question Paper

1. Determine total leucocytes count of your own blood.
2. Determine Hemoglobin count of your own blood.
3. Determine R.B.C count of your own blood.
4. Determine your own blood group & discuss the possibility of you being a donor.
5. Determine your own bleeding time & clotting time.
6. Prepare blood smear of your own blood & focus neutrophil cell.

S. S. Sani
Associate Professor
Department of Physiology
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Professor & H.O.D.
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Vilasrao Deshmukh Government
Medical College, Latur



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Outward No/ /2025/PHY/VDGMC,Latur

Date. / /2025

Human Experiment Practical Question Paper

1. Determine the blind spot in given subject.
2. Calculate the fatigue index in given subject by doing Harvard Step test.
3. Determine the field of vision in given subject in right/left eye.
4. Calculate peak expiratory flow rate in given subject.
5. Record ECG in given subject and calculate heart rate from it.
6. Determine the Vital Capacity in sitting position in given subject by using simple spirometer.
7. Determine the Vital Capacity in standing position of given subject by using simple spirometer.
8. Record ECG in given subject and calculate P-R interval and Q-T interval from it.

S. S. S. S.

Associate Professor
Department of Physiology
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Medical College, Latur

[Signature]

Professor & H.O.D.
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Medical College, Latur



Clinical Examination Practical Question Paper

C.V.S

1. Examine the radial artery pulse.
2. Estimate the jugular venous pressure.
3. Do the inspection and palpation of precordium.
4. Do the clinical examination of apex beat.
5. Percuss the Right border of heart.
6. Find out the Left border of heart.
7. Auscultate tricuspid and mitral areas.
8. Auscultate aortic and pulmonary areas.
9. Auscultate for first heart sound.
10. Determine the systolic arterial blood pressure by palpatory method.
11. Determine the arterial blood pressure by auscultatory method.

S. S. S. S.

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Medical College, Latur

S. S. S.

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Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur



Clinical Examination Practical Question Paper

R.S

1. Do the inspection of respiratory system.
2. Examine the respiratory movements by inspection and palpation.
3. Examine respiratory movements in the apical parts of lungs.
4. Examine respiratory movements in the anterior parts of lungs.
5. Demonstrate respiratory movements in the posterior part of lungs.
6. Palpate Trachea.
7. Demonstrate Tactile Vocal Fremitus.
8. Demonstrate Vocal Resonance.
9. Auscultate for bronchial & vesicular breathing sounds.

S. S. Senu

Associate Professor
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Medical College, Latur

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Medical College, Latur



Clinical Examination Practical Question Paper

CNS & Special Senses

1. Demonstrate the direct light reflex.
2. Demonstrate consensual (indirect) light reflex.
3. Examine the color vision.
4. Demonstrate visual acuity for near vision.
5. Demonstrate the visual acuity for distant vision.
6. Demonstrate weber's test of hearing.
7. Demonstrate Rinne's test of hearing.
8. Demonstrate the grade V power at shoulder girdle.
9. Examine nutrition of muscles in upper extremity.
10. Demonstrate the tone of muscles.
11. Demonstrate the co-ordination tests in lower extremity.
12. Demonstrate sense of tactile localization.
13. Demonstrate cutaneous pain sensation.
14. Demonstrate sense of vibration.
15. Demonstrate sense of position in distal joint.
16. Demonstrate pressure sensation.
17. Elicit Tricep jerk.
18. Demonstrate knee jerk.
19. Elicit Ankle jerk.
20. Elicit the plantar reflex.
21. Elicit supinator reflex

S. S. Suresh
Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

S. S. Suresh
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Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur



Date. / /2025

Clinical Examination Practical Question Paper

Abdomen

1. Do the inspection of the abdomen.
2. Do the auscultation of abdomen.
3. Palpate the spleen.
4. Palpate the liver.
5. Palpate the kidney.
6. Demonstrate Horse shoe shaped dullness method to detect ascites.
7. Demonstrate shifting dullness method to detect ascites.
8. Demonstrate Fluid thrill method to detect ascites.

S. S. Sarna

Associate Professor
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur

S. S. Sarna

Professor & H.O.D.
Department of Physiology
Vilasrao Deshmukh Government
Medical College, Latur



**First MBBS (CBME-2024) Practical Examination
MUHS Nashik- Summer-2025**

Consolidated Examiner's Report

This is to certify that we have conducted First MBBS Practical Examination Summer-2025 as per MUHS Practical Examination pattern and norms on 15/10/2025,16/10/2025,17/10/2025. All candidates were examined by all four examiners. The examination was conducted smoothly.

Dr. Sushma.S.Jadhav
Convenor and Internal Examiner - I

Dr. Umesh.P.Lad
Internal Examiner - II

Dr. Laxmikant.J.Borse
External Examiner - I

Dr. Ajay.M.Gavkare
External Examiner - II

The Practical Examination in Physiology was conducted smoothly on 15/10/2025 To 17/10/2025 as per MUHS Practical Examination pattern and norms.



Vilasrao Deshmukh Government Medical College, Latur
(Dept. of Physiology)



First MBBS (CBME-2024, 2023, 2019) Practical Examination
MUHS Nashik- Summer-2025

Consolidated Examiner's Report

This is to certify that we have conducted First MBBS Practical Examination Summer-2025 as per MUHS Practical Examination pattern and norms on 27/10/2025, 28/10/2025 & 29/10/2025. All candidates were examined by all four examiners. The examination was conducted smoothly.

S. Somani
29/10/2025

Dr. Savital.S.Somani
Convenor and Internal Examiner - I

S. Mali 29/10/2025

Dr. Snehalata.B.Mali
Internal Examiner - II

P. Khatake

Dr. Pratima.D.Khatake
External Examiner - I

V. Gawre

Dr. Vijayalaxmi.V.Gawre
External Examiner - II

The Practical Examination in Physiology was conducted smoothly on 27/10/2025 to 29/10/2025 as per MUHS Practical Examination pattern and norms.



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Outward No/ /2025/PHY/VDGMC,Latur

Date. | 6 / 10 / 2025

Feed Back Form- For Examiners

1. Standard of Answers:

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

8

2. Standard of theory / practical Examination displayed

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

9

3. Minimum Marks require for passing

Theory 40%

Practical 40%

✓ Aggregate 50%

4. How Many exercises / cases (long & short) were given to each candidate?

As per the MUHS syllabus which is attached

5. Exercises / cases given to each candidate were sufficient to assess the Knowledge

Yes

No

6. Average time for each candidate allotted for each Exercises / cases was Sufficient

Yes

No

7. Assessment done included all domains of learning

Yes

No

8. Standard displayed by candidates in general in the clinical part of Examination.

(On a scale of 10 where 0= very poor and 10=Extraordinary)

8

9. Nature of discussion of case by the candidate – level of difficulty questions.
(On a scale of 10 where 0= very Easy and 10= Very Difficulty)

8

10. All the candidates have 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. Marks allotted for clinical/practical examination were sufficient.

Yes

No

13. Are marks obtained in regular internal examination added on to the marks obtained in the final clinical/practical examination?

Yes

No

14. What is the minimum percentage for passing the clinical part?

50%

15. Were any other obtained marks from their course of training or clinical works done in the added to the marks obtained in the final clinical examination? If so, what external percentage of mark)? Has it influenced the result at the final examination?

Eligibility for final exam is calculated from
Internal marks.

16. Detailed process of Viva-Voce conducted was satisfactory

Yes

No

Name & Signature of Examiner:



DR. BORSE LAXMIKANT J.

Date

: 17/10/2025.



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Outward No/ /2025/PHY/VDGMC,Latur

Date. 6 / 10 / 2025

Feed Back Form- For Examiners

1. Standard of Answers:

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

9

2. Standard of theory / practical Examination displayed

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

9

3. Minimum Marks require for passing

Theory 40%

Practical 40%

Aggregate 50%

4. How Many exercises / cases (long & short) were given to each candidate?

NA

5. Exercises / cases given to each candidate were sufficient to assess the Knowledge

Yes

No

6. Average time for each candidate allotted for each Exercises / cases was Sufficient

Yes

No

7. Assessment done included all domains of learning

Yes

No

8. Standard displayed by candidates in general in the clinical part of Examination.

(On a scale of 10 where 0= very poor and 10=Extraordinary)

9

9. Nature of discussion of case by the candidate – level of difficulty questions.
(On a scale of 10 where 0= very Easy and 10= Very Difficulty)

8

10. All the candidates have 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. Marks allotted for clinical/practical examination were sufficient.

Yes

No

13. Are marks obtained in regular internal examination added on to the marks obtained in the final clinical/practical examination?

Yes

No

14. What is the minimum percentage for passing the clinical part?

50%.

15. Were any other obtained marks from their course of training or clinical works done in the added to the marks obtained in the final clinical examination? If so, what external percentage of mark)? Has it influenced the result at the final examination?

NA

16. Detailed process of Viva-Voce conducted was satisfactory

Yes

No

Name & Signature of Examiner:

Am Garkare

Date 16.10.2025 :

Dr. Garkare A.M

Asso. Prof. Physiology
Amc Buidhans (M.S.)

Expt. Examiner-II



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Outward No/ /2025/PHY/VDGMC,Latur

Date.29/10/2025

Feed Back Form- For Examiners

1. Standard of Answers:

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

7

2. Standard of theory / practical Examination displayed

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

8

3. Minimum Marks require for passing

✓ Theory 40%

✓ Practical 40%

✓ Aggregate 50%

4. How Many exercises / cases (long & short) were given to each candidate?

As per MUHS

5. Exercises / cases given to each candidate were sufficient to assess the Knowledge

Yes

No

6. Average time for each candidate allotted for each Exercises / cases was Sufficient

Yes

No

7. Assessment done included all domains of learning

Yes

No

8. Standard displayed by candidates in general in the clinical part of Examination.

(On a scale of 10 where 0= very poor and 10=Extraordinary)

7

9. Nature of discussion of case by the candidate – level of difficulty questions.
(On a scale of 10 where 0= very Easy and 10= Very Difficulty)

7

10. All the candidates have 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. Marks allotted for clinical/practical examination were sufficient.

Yes

No

13. Are marks obtained in regular internal examination added on to the marks
Obtained in the final clinical/practical examination?

Yes

No

14. What is the minimum percentage for passing the clinical part?

50%

15. Were any other obtained marks from their course of training or clinical
works done in the added to the marks obtained in the final clinical examination?
If so, what external percentage of mark)? Has it influenced the result at the final
examination?

Eligibility to appear for university exam from
Internal marks

16. Detailed process of Viva-Voce conducted was satisfactory

Yes

No

Name & Signature of Examiner: Pratima
Dr. Pratima D. Khatake

Date : 29/10/2025



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Outward No/ /2025/PHY/VDGMC,Latur

Date 29/10/2025

Feed Back Form- For Examiners

1. Standard of Answers:

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

06

2. Standard of theory / practical Examination displayed

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

07

3. Minimum Marks require for passing

Theory 40%

Practical 40%

✓ Aggregate 50%

4. How Many exercises / cases (long & short) were given to each candidate?

06

5. Exercises / cases given to each candidate were sufficient to assess the Knowledge

Yes

No

6. Average time for each candidate allotted for each Exercises / cases was Sufficient

Yes

No

7. Assessment done included all domains of learning

Yes

No

8. Standard displayed by candidates in general in the clinical part of Examination.

(On a scale of 10 where 0= very poor and 10=Extraordinary)

06

9. Nature of discussion of case by the candidate – level of difficulty questions.
(On a scale of 10 where 0= very Easy and 10= Very Difficulty)

06

10. All the candidates have 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. Marks allotted for clinical/practical examination were sufficient.

Yes

No

13. Are marks obtained in regular internal examination added on to the marks Obtained in the final clinical/practical examination?

Yes

No

14. What is the minimum percentage for passing the clinical part?

50 %


15. Were any other obtained marks from their course of training or clinical works done in the added to the marks obtained in the final clinical examination? If so, what external percentage of mark)? Has it influenced the result at the final examination?

NA

16. Detailed process of Viva-Voce conducted was satisfactory

Yes

No

Name & Signature of Examiner: Dr. Vijayalaxmi Gawre 

Date 29/10/2025 : Asst. prof. physiology
Gmc, Dhule



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date. 15 / 10 / 2025

Name of Department :- Physiology

Seat No :- 308398

S. Bhatia

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers. ✓
 Yes No
2. Type of questions were
A) Recall based Yes No
B) Application based Yes No
C) Problem based Yes No
3. Standard of questions – Level of difficulty.
 Easy Moderate Difficult
4. Does the examination broadly cover the prescribed curriculum?
 Yes No
5. Time allotted for different sections of the examination were sufficient.
 Yes No
6. No of exercises/cases were adequate
 Yes No
7. All the candidates were uniformly examined
 Yes No
8. was the atmosphere friendly and allowed the candidates to express themselves freely?
 Yes No
9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?
 Yes No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

12. The standard of the University Theory/Practical Examination displayed

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

13. Rate the conduction of the University examination

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

Seat no. 308398
P. Bhatia.



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date. 15/10/2025

Name of Department :- Physiology

Seat No :- 308385

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.
 Yes No
2. Type of questions were
A) Recall based Yes/ No
B) Application based Yes/ No
C) Problem based Yes/ No
3. Standard of questions – Level of difficulty.
 Easy Moderate Difficult
4. Does the examination broadly cover the prescribed curriculum?
 Yes No
5. Time allotted for different sections of the examination were sufficient.
 Yes No
6. No of exercises/cases were adequate
 Yes No
7. All the candidates were uniformly examined
 Yes No
8. was the atmosphere friendly and allowed the candidates to express themselves freely?
 Yes No
9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?
 Yes No

10. Was the assessment done jointly by more than one examiner?



Yes



No

11. Rate the content of the interaction while Viva-Voce

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

8

12. The standard of the University Theory/Practical Examination displayed

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

8

13. Rate the conduction of the University examination

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

8

Seat no. → 308385

LAN



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date. 16/10/2025

Name of Department :- Physiology

Seat No 308344 :- 308344

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.

Yes

No

2. Type of questions were

A) Recall based

Yes/No

B) Application based

~~Yes/No~~

C) Problem based

Yes/No

3. Standard of questions – Level of difficulty.

Easy

Moderate

Difficult

4. Does the examination broadly cover the prescribed curriculum?

Yes

No

5. Time allotted for different sections of the examination were sufficient.

Yes

No

6. No of exercises/cases were adequate

Yes

No

7. All the candidates were uniformly examined

Yes

No

8. was the atmosphere friendly and allowed the candidates to express themselves freely?

Yes

No

9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?

Yes

No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

12. The standard of the University Theory/Practical Examination displayed

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

13. Rate the conduction of the University examination

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

Jid B. J.



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date.] 6 / 14/2025

Name of Department :- Physiology

Seat No :- 308333

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.

Yes

No

2. Type of questions were

A) Recall based

Yes/No

B) Application based

Yes/No

C) Problem based

Yes/No

3. Standard of questions – Level of difficulty.

Easy

Moderate

Difficult

4. Does the examination broadly cover the prescribed curriculum?

Yes

No

5. Time allotted for different sections of the examination were sufficient.

Yes

No

6. No of exercises/cases were adequate

Yes

No

7. All the candidates were uniformly examined

Yes

No

8. was the atmosphere friendly and allowed the candidates to express themselves freely?

Yes

No

9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?

Yes

No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

12. The standard of the University Theory/Practical Examination displayed

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

13. Rate the conduction of the University examination

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





Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date. 17/10/2025

Name of Department :- Physiology

Seat No :- 30 & 375

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.
 Yes No
2. Type of questions were
A) Recall based Yes/No
B) Application based Yes/No
C) Problem based Yes/No
3. Standard of questions – Level of difficulty.
 Easy Moderate Difficult
4. Does the examination broadly cover the prescribed curriculum?
 Yes No
5. Time allotted for different sections of the examination were sufficient.
 Yes No
6. No of exercises/cases were adequate
 Yes No
7. All the candidates were uniformly examined
 Yes No
8. was the atmosphere friendly and allowed the candidates to express themselves freely?
 Yes No
9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?
 Yes No

10. Was the assessment done jointly by more than one examiner?



Yes



No

11. Rate the content of the interaction while Viva-Voce

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

8

12. The standard of the University Theory/Practical Examination displayed

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

9

13. Rate the conduction of the University examination

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

8

Noted
17/10/25



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date 17/10/2025

Name of Department :- Physiology

Seat No :- 308 377

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.

Yes

No

2. Type of questions were

A) Recall based Yes/No

B) Application based Yes/No

C) Problem based Yes/No

3. Standard of questions – Level of difficulty.

Easy

Moderate

Difficult

4. Does the examination broadly cover the prescribed curriculum?

Yes

No

5. Time allotted for different sections of the examination were sufficient.

Yes

No

6. No of exercises/cases were adequate

Yes

No

7. All the candidates were uniformly examined

Yes

No

8. Was the atmosphere friendly and allowed the candidates to express themselves freely?

Yes

No

9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?

Yes

No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

12. The standard of the University Theory/Practical Examination displayed

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

13. Rate the conduction of the University examination

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


17/10/25



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date. 27/10/2025

Name of Department :- Physiology

Seat No :- 308462

Feedback form – for Students

- Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.
 Yes No
- Type of questions were
A) Recall based Yes/No
B) Application based Yes/No
C) Problem based Yes/No
- Standard of questions – Level of difficulty.
 Easy Moderate Difficult
- Does the examination broadly cover the prescribed curriculum?
 Yes No
- Time allotted for different sections of the examination were sufficient.
 Yes No
- No of exercises/cases were adequate
 Yes No
- All the candidates were uniformly examined
 Yes No
- was the atmosphere friendly and allowed the candidates to express themselves freely?
 Yes No
- Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?
 Yes No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

12. The standard of the University Theory/Practical Examination displayed

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

13. Rate the conduction of the University examination

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

27/10/2025
S.S. Patki

308462



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date: 27/10/2025

Name of Department :- Physiology

Seat No :- 308466

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.

Yes

No

2. Type of questions were

A) Recall based

Yes/No

B) Application based

Yes/No

C) Problem based

Yes/No

3. Standard of questions – Level of difficulty.

Easy

Moderate

Difficult

4. Does the examination broadly cover the prescribed curriculum?

Yes

No

5. Time allotted for different sections of the examination were sufficient.

Yes

No

6. No of exercises/cases were adequate

Yes

No

7. All the candidates were uniformly examined

Yes

No

8. Was the atmosphere friendly and allowed the candidates to express themselves freely?

Yes

No

9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?

Yes

No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

8

12. The standard of the University Theory/Practical Examination displayed

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

8

13. Rate the conduction of the University examination

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

10

Sonawane



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date. 28/10/2025

Name of Department :- Physiology

Seat No 308435 :- 308435

Feedback form – for Students

- Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.
 Yes No
- Type of questions were
A) Recall based Yes/No
B) Application based Yes/No
C) Problem based Yes/No
- Standard of questions – Level of difficulty.
 Easy Moderate Difficult
- Does the examination broadly cover the prescribed curriculum?
 Yes No
- Time allotted for different sections of the examination were sufficient.
 Yes No
- No of exercises/cases were adequate
 Yes No
- All the candidates were uniformly examined
 Yes No
- was the atmosphere friendly and allowed the candidates to express themselves freely?
 Yes No
- Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?
 Yes No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

12. The standard of the University Theory/Practical Examination displayed

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

13. Rate the conduction of the University examination

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



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date 28/10/2025

Name of Department :- Physiology

Seat No 3 :- 308421

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.

Yes

No

2. Type of questions were

A) Recall based Yes/No

B) Application based Yes/No

C) Problem based Yes/No

3. Standard of questions – Level of difficulty.

Easy

Moderate

Difficult

4. Does the examination broadly cover the prescribed curriculum?

Yes

No

5. Time allotted for different sections of the examination were sufficient.

Yes

No

6. No of exercises/cases were adequate

Yes

No

7. All the candidates were uniformly examined

Yes

No

8. Was the atmosphere friendly and allowed the candidates to express themselves freely?

Yes

No

9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?

Yes

No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

12. The standard of the University Theory/Practical Examination displayed

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

13. Rate the conduction of the University examination

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

Shrey
28/10/2025



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date 29/11/2025

Name of Department :- Physiology

Seat No 3⁰ :- 308455

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.

Yes

No

2. Type of questions were

A) Recall based

Yes/No

B) Application based

Yes/No

C) Problem based

Yes/No

3. Standard of questions – Level of difficulty.

Easy

Moderate

Difficult

4. Does the examination broadly cover the prescribed curriculum?

Yes

No

5. Time allotted for different sections of the examination were sufficient.

Yes

No

6. No of exercises/cases were adequate

Yes

No

7. All the candidates were uniformly examined

Yes

No

8. Was the atmosphere friendly and allowed the candidates to express themselves freely?

Yes

No

9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?

Yes

No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

12. The standard of the University Theory/Practical Examination displayed

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

13. Rate the conduction of the University examination

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

Jacques



Vilasrao Deshmukh Government Medical College, Latur
(Physiology Department)



Date. 29/10/2025

Name of Department :- Physiology

Seat No :- 308457

Feedback form – for Students

1. Nature of the questions included MCQs/SAQs/Structured Essay type/Long answers.

Yes

No

2. Type of questions were

A) Recall based

Yes/No

B) Application based

Yes/No

C) Problem based

Yes/No

3. Standard of questions – Level of difficulty.

Easy

Moderate

Difficult

4. Does the examination broadly cover the prescribed curriculum?

Yes

No

5. Time allotted for different sections of the examination were sufficient.

Yes

No

6. No of exercises/cases were adequate

Yes

No

7. All the candidates were uniformly examined

Yes

No

8. Was the atmosphere friendly and allowed the candidates to express themselves freely?

Yes

No

9. Were supplementary questions asked by the examiners appropriate to gauge the depth of knowledge of the candidates?

Yes

No

10. Was the assessment done jointly by more than one examiner?

Yes

No

11. Rate the content of the interaction while Viva-Voce

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

12. The standard of the University Theory/Practical Examination displayed

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

13. Rate the conduction of the University examination

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

Praveen