



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

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डॉ. अजित गजानन पाठक

एम.बी.बी.एस, एम.डी.(न्यायवैद्यकशास्त्र),

परीक्षा नियंत्रक

Dr. Ajit Gajanan Pathak

M.B.B.S., M.D.(Forensic Medicine)

Controller of Examinations

जावक क्र. - मआवि/एक्स-१/३८२५/२०१९

दिनांक - १७/१०/२०१९

परिपत्रक क्र.६८ /२०१९

प्रति,

अधिष्ठाता/प्राचार्य,

सर्व संलग्नित वैद्यकीय विद्याशाखा (पदवी) महाविद्यालय,

मआवि, नाशिक.

विषय :- भारतीय आयुर्विज्ञान परिषद नुसार २०१९ - २०२० पासून प्रवेशित प्रथम वर्ष एम.बी.बी.एस. सुधारित Competency Based Undergraduate Curriculum for the Indian Medical Graduate. अभ्यासक्रमाचे नविन निकष तसेच लेखी, प्रात्यक्षिक, अंतर्गत मूल्यांकन परीक्षा पध्दत व अंतिम गुणपत्रिकेचे प्रारूप लागू करणे बाबत...

**संदर्भ :- १) Competency Based Undergraduate Curriculum Module 3, पृष्ठ क्र.१९ व २०
२) विद्यापीठ अध्यादेश १/२०१४**

महोदय/महोदया,

उपरोक्त संदर्भिय विषयान्वये आपणास कळविण्यात येते की, शैक्षणिक वर्ष २०१९ - २०२० पासून प्रवेशित प्रथम वर्ष एम.बी.बी.एस. विद्यार्थ्यांकरिता भारतीय आयुर्विज्ञान परिषदेने Competency Based Undergraduate Curriculum for the Indian Medical Graduate. Module 3 मध्ये एम.बी.बी.एस. अभ्यासक्रम हा १० वर्षात तसेच प्रथम वर्ष एम.बी.बी.एस. ०४ वर्षात किंवा जास्तीस जास्त ०४ (Attempt) प्रयत्नांमध्ये पूर्ण करणे आवश्यक असल्याचे निकष खालील प्रमाणे लागू केलेले आहेत.

वरील Module 3 मध्ये अ.क्र. 11.2.6.A नुसार "Learner shall not be entitled to graduate after 10 years of his/her joining of the first part of the MBBS course." तसेच अ.क्र. 11.2.6.A नुसार "A maximum number of four permissible attempts would be available to clear the first Professional University examination, whereby the first Professional course will have to be cleared within 4 years of admission to the said course. Partial attendance at any University examination shall be counted as an availed attempt." महाविद्यालयाने विद्यापीठ अध्यादेश १/२०१४ तसेच भारतीय आयुर्विज्ञान परिषदेच्या नियमानुसार पात्रतेच्या निकषाचे काटेकोर पालन करावे.

तसेच लेखी परीक्षा, प्रात्यक्षिक परीक्षा, अंतर्गत मूल्यांकन परीक्षा पध्दत व अंतिम गुणपत्रिकेचे लागू करण्यात आलेले प्रारूप-विद्यापीठ संकेत स्थळावर उपलब्ध करून देण्यात आलेले असून सदर बाब सर्व संबंधिताच्या निदर्शनास आणून देण्यात यावी.

उक्त बाबींची व्यापक प्रसिध्दी आपल्या महाविद्यालय स्तरावर ठळकपणे करण्यात यावी.

Dr. A. G. Pathak
परीक्षा नियंत्रक

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

1. Course and Year : First MBBS <i>(applicable w.e.f. June 2020 & onwards examinations)</i>	2. Subject Code : Appendix - a
3. Subject (PSP) : Anatomy / Physiology / Biochemistry (TT) :	
4. Paper : I	5. Total Marks : 100
	6. Total Time : 3 Hrs.
	7. Remu. (PS) : Rs. 300/-
	8. Remu. (PM) : Rs. 350/-
9. Web Pattern : []	10. Web Skeleton : []
	11. Web Syllabus : []
	12. Web Old QP : []

Instructions:

SECTION "A" MCQ

- 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**) (4x5=20)
a)b) c) d) e)
3. Long Answer Questions (Any Two out of Three) (2x10=20)
a)b) c)

SECTION "C" (40 Marks)

4. Short answer questions (Any Four out of Five) **(1 Should be on AETCOM module 1.1, 1.5)** (4x5=20)
a) b) c) d) e)
5. Long Answer Questions (Any Two out of Three) (2 x 10 = 20)
a) b) c)

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

13. Course and Year	: First MBBS <i>(applicable w.e.f. June 2020 & onwards examinations)</i>	14. Subject Code	: Appendix - a
15. Subject (PSP)	: Anatomy / Physiology / Biochemistry		
(TT)	:		
16. Paper	: II	17. Total Marks	: 100
		18. Total Time	: 3 Hrs.
		19. Remu. (PS)	: Rs. 300/-
		20. Remu. (PM)	: Rs. 350/-
21. Web Pattern	: []	22. Web Skeleton	: []
		23. Web Syllabus	: []
		24. Web Old QP	: []

Instructions:

SECTION "A" MCQ

- 5) Put in the appropriate box below the question number once only.
- 6) Use blue ball point pen only.
- 7) Each question carries **One mark**.
- 8) 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**) (4x5=20)
- a) b) c) d) e)
3. Long Answer Questions (Any Two out of Three) (2x10=20)
- a) b) c)

SECTION "C" (40 Marks)

4. Short answer questions (Any Four out of Five) (4x5=20)
- b) c) d) e)
5. Long Answer Questions (Any Two out of Three) (2 x 10 = 20)
- b) c)

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

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

	Exercise 1				Exercise 2	Exercise 3 *	Exercise 4**	Practical (Total)	Oral/Viva (Total)	PR/Oral Total
	Clinical Examination									
	C.V.S	R.S	C.N.S. & Special Senses	General Exam & Abdomen	Hematology	Short exercises	Human Physiology Experiment			
	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

First Year MBBS Physiology Practical Mark's Structure (Prelim exam)

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

Seat No.	Exercise 1				Exercise 2	Exercise 3 *	Exercise 4 **		Practical (Total)	Oral/Viva (Total)	PR/Oral Total
	Clinical Examination										
	C.V.S	R.S	C.N.S. & Special Senses	General Exam & Abdomen	Hematology	Short exercise	Human Physiology Experiment	Journal & Log book			
	A	B	C	D	E	F	G	H	I	J	K
Max. Mark's	10.0	10.0	10.0	10.0	10.0	15.0	15.0	10.0	90	10.0	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**

Preclinical exam & OSPE



MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK
MARKLIST FOR PRACTICAL / ORAL / VIVA VOCE
(Summer / Winter – 20...Exam (MBBS UG Courses))

Course : FIRST MBBS

Subject : Anatomy

CENTRE :

Marks : (Practical = Practical/Clinical + Viva) Min. 50 Max. 100

Date : / /20

Batch :

Seat No.	Practical							Oral/Viva				Total
	Soft Part	Histology (Spotting)	2 slide for Discussion	Arial Skeleton	Embryo	Practical Anatomy	Practical Total	Appendicular Skeleton	X-ray	Surface Living Anatomy	Oral/Viva Total	PR/Oral Total
	A	B	C	D	E	F	G	H	I	J	K	L
Max. Marks	30	10	10	10	10	10	80	10	05	05	20	100

Note : Both Examiners should jointly conduct practical examination for each student.
 Verified above entries from Answerbooks and we hereby certify that the marks entered against each Seat Number are found correct.

NAME OF EXAMINER		COLLEGE	SIGNATURE WITH DATE	
1			Convenor	
2			Internal	
3			External	
4			External	



MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK
MARKLIST FOR PRACTICAL / ORAL / VIVA VOCE
(Summer / Winter – 20...Exam (MBBS UG Courses))

Course : FIRST MBBS

Subject : Physiology

CENTRE :

Marks : (Practical = Practical/Clinical + Viva) Min. 50 Max. 100

Date : / /20

Batch :

Seat No.	Practical								Oral/Viva	Total
	C.V.C	R.S	C.N.S. & Special senses	Abdomen	Exercise (2) Hematology	Exercise (3) Short Exercise	Human Physiology Experiment	Practical (Total)	Oral/Viva Total	PR/Oral Total
	A	B	C	D	E	F	G	H	I	J
Max. Marks	10	10	10	10	10	15	15	80	20	100

Note : Both Examiners should jointly conduct practical examination for each student.

Verified above entries from Answerbooks and we hereby certify that the marks entered against each Seat Number are found correct.

NAME OF EXAMINER		COLLEGE	SIGNATURE WITH DATE	
1			Convenor	
2			Internal	
3			External	
4			External	



MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK
MARKLIST FOR PRACTICAL / ORAL / VIVA VOCE
(Summer / Winter – 20...Exam (MBBS UG Courses))

Course : FIRST MBBS

Subject : Biochemistry

CENTRE :

Marks : (Practical = Practical/Clinical + Viva) Min. 50 Max. 100

Date : / /20

Batch :

Seat No.	Practical							Oral/Viva	Total
	Case Based Quantitative Estimation	Urine Report	Quality Control	Interpretation of lab Reports	Interpretation of renewal technique (Electrophoresis / Chromatography ABG)	Spots	Practical (Total)	Oral/Viva Total	PR/Oral Total
	A	B	C	D	E	F	G	H	I
Max. Marks	25	15	10	10	10	10	80	20	100

Note : Both Examiners should jointly conduct practical examination for each student.

Verified above entries from Answerbooks and we hereby certify that the marks entered against each Seat Number are found correct.

NAME OF EXAMINER		COLLEGE		SIGNATURE WITH DATE	
1				Convenor	
2				Internal	
3				External	
4				External	



MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK
MARKLIST FOR INTERNAL ASSESSEMENT
 (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	Theory	Practical Including 10 Marks for Journal & Log Boo	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 Must be 40.
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 Must be 40.
Theory	200	$\frac{\text{Total marks obtained}}{5}$	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

Internal Assessment

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)		
	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)		
Theory	Practical Including 10 Marks for Journal & Log Book	Total Marks	
1	200	100	300

1. There will be 3 internal assessment examinations in the academic year. The structure of Preliminary 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 Committee Constituted for the same. It should be taken after preliminary examination and before submission of internal assessment marks to the University.
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 must secure at least 50% marks for total marks (combined in theory and practical / clinical: not less than 40% marks in theory and practical separately) assigned for internal assessment in a particular subject in order to be eligible for appearing at the final university examination of that subject. Internal assessment marks will reflect as separate head of passing at the summative examination.

6. **Remedial internal assessment examination for Non - eligible students:** Student who were not eligible due to less than 50% combined or less than 40% in any theory or practical, will re appear as repeater student for Prelim exam which will be conducted before Supplementary Exam. His/her internal assessment will be calculated on the basis of this Examination marks only. Students who will not be eligible in this Examination will appear with regular batch as repeater student.

7. The internal assessment marks of the remedial examination alone shall be considered and converted into out of 40.

8. **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)	
Theory	100	100	200	400	$\frac{\text{Total marks obtained}}{10}$	16 (minimum)	Total of Theory + Practical <u>Must</u> be 40.
Practical	50	50	100	200	$\frac{\text{Total marks obtained}}{5}$	16 (minimum)	

9. **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)	
Theory	200	$\frac{\text{Total marks obtained}}{5}$	16 (minimum)	Total of Theory + Practical <u>Must</u> be 40.
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

Format for Mark Sheet

Internal Assessment

Community Medicine

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

Phase	I-Exam (in March with II Internal Assessment Examn of First Phase)		
	Theory	Practical (Including 05 Marks for Journal & Log Book)	Total Marks
First MBBS	50	50	100

Phase	I-Exam (At the end of first term)			II-Exam (At the end of second term)		
	Theory	Practical (Including 05 Marks for Journal & Log Book)	Total Marks	Theory	Practical Including 05 Marks for Journal & Log Book	Total Marks
Second MBBS	50	50	100	50	50	100

Phase	I-Exam (at the end of first term)			II-Exam Preliminary examination		
	Theory	Practical (Including 05 Marks for Journal & Log Book)	Total Marks	Theory	Practical Including 10 Marks for Journal & Log Book	Total Marks
Third MBBS	100	100	200	200	100	300

1. There will be 5 internal assessment examinations in Community Medicine. The structure of the internal assessment theory examinations should be similar to the structure of University examination.
2. It is mandatory for the students to appear for all the internal assessment Examinations in the respective phases. A student who has not taken minimum required number of tests for Internal Assessment each in theory and practical will not be eligible for University examinations.
3. 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 assessment marks to the University.
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 within the stipulated time as per directives from the University.
5. **Conversion Formula for calculation of marks in internal assessment examinations**
Formula for Theory (out of 20) = Total marks/22.5
Formula for Practical (out of 20) = Total marks/17.5
6. While preparing Final Marks of Internal Assessment, the rounding-off marks shall done as illustrated in following table

Internal Assessment Marks	Final rounded marks
13.01 to 13.49	13
13.50 to 13.99	14

7. Students must secure at least 50% marks of the total marks (combined in theory and practical / clinical; not less than 40 % marks in theory and practical Separately) assigned for internal assessment in order to be eligible for appearing at the final University examination of that subject. Internal assessment marks Will reflect as separate head of passing at the summative examination.
8. Internal assessment marks will not to be added to marks of the University examinations and will be shown separately in mark list.



MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK

MARKLIST FOR INTERNAL ASSESSEMENT

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

Community Medicine

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

Phase	I-Exam (in March with II Internal Assessment Exam of First Phase)		
	Theory	Practical (Including 05 Marks for Journal & Log Book)	Total Marks
First MBBS	50	50	100

Phase	I-Exam (At the end of first term)			II-Exam (At the end of second term)		
	Theory	Practical (Including 05 Marks for Journal & Log Book)	Total Marks	Theory	Practical Including 05 Marks for Journal & Log Book	Total Marks
Second MBBS	50	50	100	50	50	100

Phase	I-Exam (at the end of first term)			II-Exam Preliminary examination		
	Theory	Practical (Including 05 Marks for Journal & Log Book)	Total Marks	Theory	Practical Including 10 Marks for Journal & Log Book	Total Marks
Third MBBS	100	100	200	200	100	300

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

Internal Assessment Marks	Final rounded marks
13.01 to 13.49	13
13.50 to 13.99	14

Format for Mark Sheet

Heads / Subjects	Theory		Theory Total	Practical + oral	Total Theory + Pract.	Internal Assessment		Total
	I	II				Theory	Pract.	
Max	100	100	200	100	300	40	40	80
Min	40	40	100	50	150	16	16	40
Anatomy								
Physiology								
Biochemistry								
Grant total	/900							
Result								