

2.5.3

Microbiology Reforms



Dr. Vasant Rao Pawar Medical College, Hospital & Research Centre Adgaon, Nashik-3
Department of Microbiology

Ref. No. Dr, VPMC/Micro/ 3831 / 2019-20

Date: 28/02/2020

To,
NAAC Office,
MVP'S Nashik Medical College,
Adgaon, Nashik-3

Ref, No.:- 4478/201920Dt.07/02/2020

Subject: MCI & MUHS Internal Assessment Guidelines.

Respected Madam,

We are hereby sending the MCI & MUHS Internal Assessment guidelines and Structure of Internal Assessment Examination.

This is for your kind information and necessary action.

Thanking You

Yours Sincerely

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Department of Microbiology

Structured format for - UG Microbiology examinations Structured format for 1st terminal exam -Theory

Topic	Sec A No. of MCQ(28)	Sec B No. of SAQ(12)	Sec C No. of LAQ(3)
General Microbiology	15	6	1
Immunology	5	4	1
Systemic	8	2	1

Structured format for 1st terminal Viva voce

Topic	Viva 1(No. of questions)	Topic	Viva 2(No. of questions)
General Microbiology	5	General Microbiology	5
Immunology	3	Immunology	3
Systemic	2	Systemic	2



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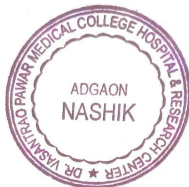
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Structured format for 2nd terminal exam - Theory

Topic	Sec A No. of MCQ(28)	Sec B No. of SAQ(12)	Sec C No. of LAQ(3)
Systematic			
GPC	2	2	
GNC	2	1	1
GNB	6	2	1
GPB	6	2	
Others	1	1	
Mycology	6	2	
Virology	5	2	1

Structured format for 2nd terminal Viva voce

Topic	Viva 1(No. of questions)	Topic	Viva 2(No. of questions)
General Microbiology	5	Virology	5
Immunology	5	Mycology	5
Systemic	5	Serology	5



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Structured format for Preliminary examination Paper 1

Topic	Sec A No. of MCQ (16)	Sec B No. of SAQ (6)	Sec C No. of LAQ (3)
General Microbiology	8	3	1
Systemic	8	3	2

Structured format for Preliminary examination Paper 2

Topic	Sec A No. of MCQ (16)	Sec B No. of SAQ (6)	Sec C No. of LAQ (3)
Immunology	2	1	
Parasitology	4	1	1
Virology	5	2	1
Mycology	4	1	
Applied Microbiology	1	1	1



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Structured format for Preliminary examination Viva

Viva-1		Viva-2	
Topic	No. of Questions	Topic	No. of Questions
General Microbiology	6	Systemic	4
Immunology	6	Virology	4
		Mycology	4
		Parasitology	4



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Structured format for Practical - Terminal & Preliminary examination

1) Term Ist - Spot & Gram stain

Spot

Spot	10 Marks
General	4
Immunology	3
Systemic	3

Gram stain (10 marks)

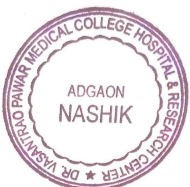
Gram stain	Marks
Staining Technique	2
Focusing	2
Identification & Diagram	2
Viva	4

2) Term IInd -

Spot	10
Vaccine	1
Systemic Bacteriology Slide	4
Uninoculated Media	1
Instrument	2
Animal	1
Serological Reactions	1

GM Stain (5 Marks) & ZN Stain (5 Marks)

Gram stain/Z-N stain	Marks
Staining Technique	1
Focusing	1
Identification & Diagram	1
Viva	2



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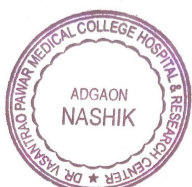
CHECKLIST FOR STAINING EXERCISE

A. CHECKLIST FOR GRAM STAINING & ZN STAINING-

Sr No	CHECKPOINTS	YES/NO
1.	Identification of side of smear on slide	
2.	Quality of staining technique	
3.	Position of condenser adjusted	
4.	Position of diaphragm adjusted	
5.	Focusing is done properly	
6.	Identification done correctly	
7.	Diagram drawn and labeled correctly	
8.	Viva questions answered correctly and confidently	

B. CHECKLIST FOR STOOL EXAMINATION-

Sr No	CHECKPOINTS	YES/NO
1.	Iodine & normal saline mounts made correctly	
2.	Quality of mounts	
3.	Position of condenser adjusted	
4.	Focusing is done properly	
5.	Identification of structure done correctly	
6.	Diagram drawn and labeled correctly	
7.	Viva questions answered correctly and confidently	



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DEPARTMENT OF MICROBIOLOGY

SKILL MODULE ON BLOOD CULTURE

DIAGNOSIS OF ENTERIC FEVER IN FIRST WEEK OF ILLNESS

- Name of the skill – Blood culture
- Type of skill –Psychomotor
- Learning objective – At the end of the practical session phase-2 students should be able to do blood culture on a manikin with proper aseptic precautions.

PLANNING OF A SKILL SESSION-

1. Preparatory session-

Briefing about enteric fever, causative agent, pathogenesis, diseases progression and importance of blood culture in first week of illness.

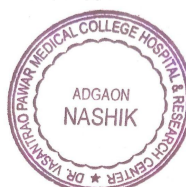
TLM- Lecture, video

2. Skill acquisition session-

- a) Handling of manikin
- b) Disinfection of skin/preparation of skin before blood culture
- c) Selection of superficial vein preferable antecubital vein
- d) Handling of the syringe and needle

3. Assessment plan-

- a) Cognitive domain – MCQs & structured SAQs
- b) DOAP- video (Demonstration of procedure)
- c) Affective domain- Counselling of patient for the procedure



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