

2.5.3

Information on examination reforms

ANATOMY DEPARTMENT

Information on examination reforms



Teaching Hours UG according to Old Curriculum and New Guideline (CBME)

Year	Old Curriculum		CBME	
Duration of phase first	12 months		14 months	
Foundation course	Not included		Yes (1 month)	
No. of internal assessment exam	2		3	
Internal assessment exam	Theory	Practical	Theory	Practical
Internal	60	40	100	50
			100	50
Prelim	100	40	200	100
Eligibility Criteria	35%		50%	
University examination	100	60	200	100
Early clinical exposure	Not included		Newly introduced	
Self directed learning	Not included		Newly introduced	
AETCOM	Not included		Newly introduced	
Sports and ECA	Not included		Newly introduced	
Formative assessment	No		Yes	
Log book	No		Yes	



Professor & Head,
Department of Anatomy,
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BLUE PRINT OF QUESTION PAPER (2014-2015 TO 2018-19)
PRELIMINARY EXAMINATION ANATOMY PAPER – I

Syllabus-

Superior extremity
Thorax
Head , Neck & Face
Central nervous system
Histology
Embryology

Skeleton of question paper

Qus .No.	Sections	Questions	Actual marks	Marks with options
1	A	Multiple choice questions	10	10
2	B	Short answer questions	24	28
3	C	Long answer questions	16	24
		Total marks	50	62




Professor & Head,
Department of Anatomy,
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Marks allotted to each topic of syllabus

Topic	Marks allotted	Multiple choice question			Short answer questions			Long answer questions			Total marks
		Recall	comprehensive	Application base	Recall	Comprehensive	Application base	Recall	comprehensive	Application base	
Supex	10	1.5		0.5	4		4				
thorax	14	1.5		0.5			4	8			
HNF	14	1.5		0.5	4					8	62
CNS	14	1.5		0.5	4			8			
Histo.	05	1			4						
Embryo	05	1					4				
Total marks	62		Attain 20 MCQ (1/2 Marks each)		Attain 6 out of 7 (4 marks each)			Attain 2 out of 3 (8 marks each)			




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BLUE PRINT OF QUESTION PAPER (2014-2015 TO 2018-19)
PRELIMINARY EXAMINATION ANATOMY PAPER –II

Syllabus –

General Anatomy

Inferior extremity

Abdomen

Pelvis

General histology

General embryology

Genetics

Systemic histology

Systemic embryology

Skeleton of question paper

<u>Qus.No.</u>	<u>Sections</u>	<u>Questions</u>	<u>Actual marks</u>	<u>Marks with options</u>
1	A	MULTIPLE CHOICE QUESTIONS	10	10
2	B	SHORT ANSWER QUESTIONS	24	28
3	C	LONG ANSWER QUESTIONS	16	24
		TOTAL MARKS	50	62




Professor & Head,
Department of Anatomy,
A.C.P.M. Medical College, Dhule (M.B.)

Marks allotted to each topic of syllabus

Topic	Marks allotted	Multiple choice question			Short answer questions			Long answer questions			Total marks
		Recall	comprehensive	Application base	Recall	Comprehensive	Application base	Recall	comprehensive	Application base	
Gen.anatomy	05	1			4						
Infx	09	0.5		0.5						8	
Abdomen	14	1.5		0.5			4	8			62
Pelvis	09	1						8			
Gen. histology	05	1			4		4				
Gen. embryology	05	0.5		0.5			4				
Genetics	05			1		4					
Syst.histology	05	1				4					
Syst. embryo	05	1									
Total marks	62		Attain 20 MCQ (1/2 Marks each)			Attain 6 out of 7 (4 marks each)			Attain 2 out of 3 (8 marks each)		




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BLUE PRINT OF QUESTION PAPER(2014-2015 TO 2018-19)TERMINAL EXAMINATION ANATOMY PAPER

Syllabus –

General Anatomy
Superior extremity
Inferior extremity
Thorax
General histology
General embryology

Skeleton of question paper

<u>Ous.No.</u>	<u>Sections</u>	<u>Questions</u>	<u>Actual marks</u>	<u>Marks with options</u>
1	A	MULTIPLE CHOICE QUESTIONS	12	12
2	B	SHORT ANSWER QUESTIONS	24	28
3	C	LONG ANSWER QUESTIONS	24	32
		TOTAL MARKS	50	72



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Marks allotted to each topic of syllabus

Topic	Marks allotted	Multiple choice question			Short answer questions			Long answer questions			Total marks
		Recall	comprehensive	Application base	Recall	Comprehensive	Application base	Recall	comprehensive	Application base	
Gen. Anatomy	08				4		4				
Sup.extremity	17	3		2			4	8			
Inf.extremity	17	3		2			4			8	72
Thorax	26	4		2	4			8		8	
Gen. Histo.	08	3		1	4						
Gen. Embryo	08	3		1	4						
Total marks	72		Attain 24 MCQ (1/2 Marks each)		Attain 6 out of 7 (4 marks each)			Attain 3 out of 4 (8 marks each)			




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BLUE PRINT OF QUESTION PAPER(2019-20)
FIRST INTERNAL ASSESSMENT EXAMINATION PAPER

Syllabus –

General Anatomy
 General histology
 General embryology
 Inferior extremity
 Thorax
 Abdomen & Pelvis
 Systemic histology
 Systemic embryology

Skeleton of question paper

<u>Qus.No.</u>	<u>Sections</u>	<u>Questions</u>	<u>Actual marks</u>	<u>Marks with options</u>
1	A	MULTIPLE CHOICE QUESTIONS	20	20
2	B	SHORT ANSWER QUESTIONS	20	25
3		Long answer questions	20	30
4	C	SHORT ANSWER QUESTIONS	20	25
5		LONG ANSWER QUESTIONS	20	30
		TOTAL MARKS	100	130



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BLUE PRINT OF QUESTION PAPER(2014-2015 TO 2018-19)
SECOND INTERNAL ASSESMENT EXAMINATION PAPER

Syllabus –

Abdomen & Pelvis

Head, Neck & Face

Systemic histology

Systemic embryology

Skeleton of question paper

<u>Qus.No.</u>	<u>Sections</u>	<u>Questions</u>	<u>Actual marks</u>	<u>Marks with options</u>
1	A	MULTIPLE CHOICE QUESTIONS	20	20
2	B	BRIEF ANSWER QUESTIONS	20	22
3		SHORT ANSWER QUESTIONS	40	45
4	C	LONG ANSWER QUESTIONS	20	30
		TOTAL MARKS	100	117



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Marks allotted to each topic of syllabus

Topic	marks allotted	Multiple choice questions			Brief answers questions			Short answers questions			Long answers questions			Total mark
		recall	Compr ehensi ve	Applic ation base	recall	Compr ehensi ve	Applicati on base	Recall	Compr ehensive	Application base	recall	compreh ensive	Application base	
Abdomen & pelvis	50	6		3	6		4	5+5		5	06		10	117
HNF	33	3		2	6		2	5		5	10			
Gen. histology	17	2		1	2			5+5			2			
Gen. Embryo	17	2		1	2			5		5	2			
Total marks	117	Attain 20-MCQ (1 mark for each)			Attain 10 out of 11 (2 mark for each)			Attain 8 out of 9 (5 mark for each)			Attain 2 out of 3 (10 mark for each)			



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Blue print of question paper (2019-20)
Preliminary examination anatomy paper-1

Syllabus-

Superior extremity
General embryology
Genetics
Head, Neck & Face
Central nervous system
AETCOM
Systemic Histology
Systemic embryology

Skeleton of question paper

Ques.no.	Sections	Questions	Actual Marks	Marks with options
1	A	Multiple choice questions	20	20
2	B	Brief answers questions	20	22
3		Short answers questions	40	45
4		Long answers questions	20	30
		Total marks	100	117




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Marks allotted to each topic according to syllabus

Topic	Marks allotted	Multiple choice questions			Brief answers questions			Short answers questions			Long answers questions			Total mark
		Recall	Comprehensive	Application base	Recall	Comprehensive	Application base	Recall	comprehensive	Application base	Recall	Comprehensive	Application base	
Supex	19	1		1			2			5			10	117
General. embryo	10	1			2		2	5						
Genetics	05							5						
HNF	29	5		2	2+2		2	5		5	6			
CNS	29	5		3	2+2		2	5			10			
AETCOM	05							5						
Systemic histology	10	1			2					5	2			
Systemic embryo	10	1			2			5			2			
Total marks	117	Attain 20-MCQ (1 mark for each)			Attain 10 out of 11 (2 mark for each)			Attain 8 out of 9 questions (5 mark for each)			Attain 2 out of 3 (10 mark for each)			




 Professor & Head,
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Blue print of question paper (2019-20)
Preliminary examination anatomy paper-2

Syllabus-

General Anatomy
General histology
Abdomen & pelvis
Thorax
Systemic Histology
Systemic embryology

Skeleton of question paper

Ques.no.	Sections	Questions	Actual Marks	Marks with options
1	A	Multiple choice questions	20	20
2	B	Brief answers questions	20	22
3		Short answers questions	40	45
4		Long answers questions	20	30
		Total marks	100	117




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Marks allotted to each topic according to syllabus

Topic	Marks allotted	Multiple choice questions			Brief answers questions			Short answers questions			Long answers questions			Total mark
		Recall	Comprehensive	Application base	Recall	Comprehensive	Application base	Recall	comprehensive	Application base	Recall	Comprehensive	Application base	
General Anatomy	10	1			2		2	5						117
General Histology	10	1			2		2	5						
Abdomen & pelvis	29	6		3	2		2	5		5	6			
Inferior extremity	19	1		1	2					5			10	
Thorax	29	3		2	2		2	5		5	10			
Systemic histology	10	1			2					5	2			
Systemic embryo	10	1			2						2			
Total marks	117	Attain 20-MCQ (1 mark for each)			Attain 10 out of 11 (2 mark for each)			Attain 8 out of 9 questions (5 mark for each)			Attain 2 out of 3 (10 mark for each)			



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SKELETON OF PRACTICAL EXAMINATION

Anatomy													
Practical									Oral /Viva				
Seat no.	Soft parts	Microanatomy (10 spots)	Microanatomy slide discussion(2 slides)	Axial skeleton	Embryology models	Clinical anatomy incl. Genetic charts	Journal /Logbook	Total	Appendicular skeleton	x-ray	Surface living anatomy	Total	Practical/oral total
	A	B	C	D	E	F	G	H	I	J	K	L	M
Max. marks	25	10	05	10	10	10	10	80	10	05	05	20	100




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OBJECTIVE STRUCTURAL PRACTICAL EXAMINATION

A) Appendicular Skeleton (one bone from each extremity ,5 marks each 10 M)

- Q.1 Identify bone and its type (1M)
- Q.2 Identify the side and hold in anatomical position (1M)
- Q.3 General features (1M)
- Q.4 Special features i.e. Enumerates structure passing through the mark area/foramens (1M)
- Q.5 Applied Aspect of bone

B) Axial Skeleton (2 bones 5 marks each -10M)

- Q.1 Identify the bones & its type (1M)
- Q.2 General Features & Anatomical position (1M)
- Q.3 Special features i.e. enumerates structure passing through the mark area/foramens (1M)
- Q.4 Structure attached or related to mark area/ Sex difference

C) Soft parts (Any one structure/muscle from superior & Inferior extremity. 5 marks each-10M)

- Q.1 Identification (1M)
- Q.2 Origin & Insertion (1M)
- Q.3 Nerve supply & Blood supply (1M)
- Q.4 Action /Branches (2M)
- Q.5 Applied (1M)

D) Soft parts (Any one organ from Thorax ,Abdomen & HNF< 5 marks each -15M)

- Q.1 Identify the organ & anatomical position (1M)
- Q.2 Describe its parts or lobes (1M)
- Q.3 Relations or muscles with action (1M)
- Q.4 Blood supply & Nerve supply (1M)
- Q.5 Applied (1M)



J) Radiology (any one, 5 marks each-5M)

- Q.1 Identification of X-ray with view (1M)
- Q.2 Which are the structures seen in X-ray (2M)
- Q.3 Movements / Procedure (2M)

K) Journal /Logbook(10-marks)




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OBJECTIVE STRUCTURAL CLINICAL EXAMINATION

Any one of the following

A) Arteries and veins (5 marks each -5 marks)

- Q.1 Instructions by students (1M)
- Q.2 Site of identification by students (1M)
- Q.3 Methods of palpation (1M)
- Q.4 Viva vores (1M)

B) Muscles (5 marks each -5 marks)

- Q.1 Instructions by students (1M)
- Q.2 Demonstration of various actions (2M)
- Q.3 Viva vores (1M)

C) Anatomical Spaces(5 marks each -5 marks)

- Q.1 Instructions by students (1M)
- Q.2 Site of identification by students (1/2M)
- Q.3 Methods of palpation/demonstration (1M)
- Q.4 Viva vores (1M)

D) Movements at Joints (5 marks each -5 marks)

- Q.1 Instructions by students (1M)
- Q.2 Demonstration of various movements(2M)
- Q.3 Viva (2M)



Professor & Head,
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Physiology Exam Reforms

BLUE PRINTING (QUESTIONPAPER)**FIRST TERMINAL EXAMINATION**

Sr no	Topics	Weightage	Marks allotted	MCQ 1 mark each	SAQ 5 mark each	LAQ 10 mark each
1	General Physiology	2	20	5	5	10
2	Nerve Physiology	2	20	5	15	-
3	Muscle Physiology	2	20	5	5	10
4	Blood	3	30	-	10	20
5	Respiratory System	1	30	5	5	-
6	Cardiovascular System	3	10		10	20
	Total	13	130	20	50	60

Pattern of question Paper —

Question Type	No of Items	Marks	Marks with options
MCQ (1 mark each)	20	20	20
SAQ (5 marks Each)	8	40	50
LAQ (10 marks each)	4	40	60



Professor in Charge,
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BLUE PRINTING (QUESTION PAPER)

SECOND TERMINAL EXAMINATION

Sr no	Topic	Weightage	Marks Allotted	MCQ 1 mark each	BAQ 2 marks each	SAQ 5 mark each	LAQ 10 mark each
1	Respiratory system	3	27	3	4	10	10
2	ECG	1	9	3	6	-	-
3	Endocrines	2	18	3	-	5	-
4	GIT + AETCOM	2	18	4	4	10	10
5	Renal	3	27	3	4	10	-
6	Eye	2	18	4	4	10	10
	Total	13	117	20	22	45	30

Pattern of question Paper —

Question Type	No of Items	Marks	Marks with options
MCQ (1 mark each)	20	20	20
Brief Answer Question BAQ (2 marks Each)	10	20	22
SAQ (5 marks Each)	8	40	45
LAQ (10 marks each)	2	20	30




 Professor & Head,
 Department of Physiology,
 ACPH Medical College, Dhule-431001

BLUE PRINTING (QUESTION PAPER)

Preliminary examination — Paper -I

Sr no	Topic	Weightage	Marks Allotted	MCQ 1 mark each	BAQ 2 marks each	SAQ 5 mark each	LAQ 10 mark each
1	Blood	3	27	3	4	10	10
2	CVS	3	27	6	6	5	10
3	RS	3	27	5	2	10	10
4	Renal	2	18	4	4	10	-
5	GIT AETCOM	2	18	2	6	10	-
Total		13	117	20	22	45	30

Pattern of question Paper —

Question Type	No of Items	Marks	Marks with options
MCQ (1 mark each)	20	20	20
BAQ (2 marks Each)	10	20	22
SAQ 1 5 marks Each)	8	40	45
LAQ (10 marks each)	2	20	30



Signature

Pratish Kumar & Mead,
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OSPE

HEMOGLOBIN ESTIMATION

Aim: To convert a known volume of blood sample into acid hematin using the apparatus provided.

Checklist:

1. Selects the Hb pipette and tube and checks that they are clean and dry. (Y/N)
2. Takes N/10 in the Hb tube up to the mark 20% or 3 g %. (Y/N)
3. Shakes the container of blood and draws blood into the pipette exactly to the mark 20 μ l (Y/N)
4. Wipes off blood from the tip of the pipette and blows out the blood into acid solution. (Y/N)
5. Rinses the pipette several times into acid solution. Notes the time. (Y/N)

RBC COUNTING

Aim: To dilute the given sample of blood 200 times using a pipette and diluent.

Checklist:

OSPE-I

1. Selects the correct pipette and checks that it is clean and dry and patent. (Y/N)
2. Takes enough diluents in a watch glass and sucks blood to the exact 0.5 mark and sees that there are no air bubbles (Y/N)
3. Wipes off blood sticking to the outside of the tip of the pipette. (Y/N)
4. Sucks diluting fluid exactly to the mark 101.
(Y/N)




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5. Holds the pipette horizontally between the palms and rolls it gently to mix the contents of the bulb.

(Y/N)

OSPE-II

Aim: To charge the Neubauer's chamber with diluted blood provided to you in a RBC pipette.

Checklist:

1. Ensures that the chamber and cover slip are clean and dry. (Y/N)
2. Mixes the contents of the bulb between her palms. (Y/N)
3. Places the cover slip on the central plateau of the chamber to cover both the ruled areas. (Y/N)
4. Discards the first two drops from the pipette and allows a suitable-sized drop to form. (Y/N)
5. Places the tip of pipette on the chamber, touching the edge of the coverslip and allows the fluid to spread evenly over the counting grid without over- or under-charging. Charges the other side also. (Y/N)

TOTAL LEUCOCYTE COUNT

OSPE-I

Aim: To dilute the given sample of blood 20 times for TLC by using diluent and a pipette provided.

Checklist:

1. Checks that the pipette is clean, dry, and patent. (Y/N)
2. Takes sufficient diluting fluid in a watch glass and sucks blood exactly to the mark



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0.5 and confirms that there is no air bubble. (Y/N)

3. Wipes off blood sticking to the outside of the pipette tip. (Y/N)

4. Sucks diluting fluid to the mark 11. (Y/N)

5. Holds the pipette horizontally between the palms and rolls it gently. (Y/N)

OSPE-II

Aim: To charge the counting chamber for TLC with diluted blood provided in a Pipette.

Checklist:

1. Checks that the chamber and the pipette are clean and dry. (Y/N)

2. Places the coverslip on the floor piece and trenches. (Y/N)

3. Mixes the contents of the pipette by rolling it between her palms and discards the first two.

(Y/N)

4. Charges the chamber by slow and controlled release of diluted blood at the edge of the coverslip. (Y/N)

5. Allows the diluted blood to spread under the coverslip to cover the ruled area. Allows the cells to settle down. (Y/N)

DIFFERENTIAL LEUCOCYTE COUNT

OSPE-I

Aim: To prepare a blood film from a sample of blood provided.

Checklist:

1. Selects 3-4, clean, grease-free, dry slides and places these on a blotting paper. Mixes the provided sample of blood thoroughly without frothing. (Y/N)



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2. Using a dropper, she places a small drop of blood near the end of a slide about 1 cm from the end.

(Y/N)

3. Supporting the left end of the slide between thumb and middle finger of left hand, she places the spreader in front of the blood drop at an angle of 40° , and draws the spreader back and allows the blood to spread along its width. (Y/N)

4. Maintaining a light and even pressure and 40° angle, she moves the spreader forward, with a fairly fast and gliding motion, pulling the blood behind it in the form of a thin smear. (Y/N)

5. Makes 3-4 more such smears. (Y/N)

OSPE-II

Aim: To stain the given blood film for differential count.

Checklist:

1. Places the blood film horizontally over the parallel glass rods assembled over the sink. (Y/N)

2. Pours 8-10 drops of Leishman's stain from a drop -bottle to cover the blood film. (Y/N)

3. After 1-2 minutes (or as advised), she adds equal amount of buffered water, or double-distilled water, over the stain till the mixture stands from the edges of the slide. (Y/N)

4. Mixes the stain by blowing on it through a glass dropper for 8-10 minutes Watches that at no stage the stain is allowed to dry on the blood film. (Y/N)

5. Then drains off the stain under a gentle stream of distilled/tap water. Then puts the slide against a support, stained side facing down. (Y/N)



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OSPE-III

Aim: To examine the provided stained blood film under oil-immersion lens and focus any leukocyte.

Checklist:

1. Checks the stained slide to confirm the side on which the smear was made. Then examines it under LP and HP lenses by making suitable adjustments of light to check staining and cell distribution. (Y/N)
2. Raises the body tube, places a drop of cedar wood oil and swings the OI lens into position. (Y/N)
3. Looking from the side, brings the OI lens down slowly till it just enters the oil drop. (Y/N)
4. Raises the condenser and opens the iris diaphragm. (Y/N)
5. Looks into the microscope and scans the smear, 'racking' the microscope all the time till she focuses a leukocyte. (Y/N)

OSPES-IV, V, VI, VII

Aim: To examine a stained blood film and to focus a large lymphocyte, small lymphocyte, monocyte, trilobed neutrophil

Check list: On similar lines of OSPE III.



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ERYTHROCYTE SEDIMENTATION RATE

OSPE-I

Aim: To load the Wintrobe tube with the supplied anticoagulated blood.

Checklist:

1. Selects the tube and sees that it is clean and dry.

(Y/N)

2. Mixes the blood sample and draws blood into a Pasteur pipette or a dropper with a long nozzle.

(Y/N)

3. Fills the tube with blood, starting from its bottom and withdrawing the pipette till blood column reaches the zero mark. (Y/N)

4. Checks that there are no bubbles; if there are, she removes them with a filter paper strip. (Y/N)

5. Places the tube vertically in the Wintrobe stand and notes the time. (Y/N)

OSPE-II

Aim: To load the Westergren tube with the supplied anticoagulated blood.

Checklist:

1. Selects the Westergren tube and checks that it is dry and clean. (Y/N)

2. Mixes the blood sample. (Y/N)

3. Sucks blood into the tube and takes it to the zero mark, taking care to avoid any bubbles. (Y/N)

4. Presses the lower end of the tube into the rubber cushion of the stand and the upper end under the screw cap. (Y/N)

5. Confirms that it is vertical and notes the time. (Y/N)



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Department of Physiology,
A.C.P.M. Medical College & Hospital

CLINICAL PHYSIOLOGY

OSPE

RS

OSPE-I

Aim: To assess the expansion of lower part of chest on the back.

Check-list:

1. Gives proper instructions to the subject Exposes the chest. (Y/N)
2. Places both hands on either side of lower chest on the back, with fingers stretched out on either side, and thumbs just touching in the midline. (Y/N)
3. Asks the subject to take two or three deep breaths.

(Y/N)

4. Observes the expansion of chest by noting the movement of each thumb away from the midline. (Y/N)

5. Repeats the maneuver once again. (Y/N)

OSPE- II

Aim: To test the vocal resonance in the subject provided.

Checklist:

1. Explains the procedure to the subject. (Y/N)
2. Applies the stethoscope to her ears and checks the diaphragm. (Y/N)
3. Places the diaphragm on the infrascapular region on the back. (Y/N)
4. Asks the subject to say 1,2,3 or 99 in a normal clear voice and listens to the sound. (Y/N)
5. Places the stethoscope on the other side of the chest and repeats the process. (Y/N)



Professor & Head,
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Dhule

CVS

OSPE-I

Aim: To locate the apex beat of the subject provided.

Checklist:

1. Stands on the right side of the subject and exposes the chest completely and inspects the precordium to see if there is any cardiac pulsation. (Y/N)
2. Places the flat of the hand over the precordium, its base on the base of the heart and fingers towards the apex. (Y/N)
3. Uses the ulnar border of her hand to locate the apex beat. (Y/N)
4. Uses the tip of her forefinger to confirm the apex beat and marks it. (Y/N)
5. Counts the intercostals spaces and reports the exact position of apex beat. (Y/N)

OSPE-II

Aim: To examine the radial artery of the subject provided.

Checklist:

1. Stands on the subject's right side and explains the procedure. (Y/N)
2. Holds the subject's right hand in a semipronated and slightly flexed position. Then places her three middle fingers on the radial artery and compresses it slightly against the bone. (Y/N)
3. Notes the rhythm, volume, and character of the pulse. Counts the rate for one minute and notes the result. (Y/N)
4. Compresses the artery with the proximal finger and tries to roll the artery against the bone with the other two finger. (Y/N)



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5. Compares the equality of pulses in both arms. Counts the heart rate to see if there is any pulse deficit. (Y/N)

OSPE-III

Aim: To auscultate the mitral area for the heart sounds.

Checklist:

1. Stands on the subject's right side and completely exposes the chest (Y/N)
2. Checks for the correct functioning of the stethoscope. (Y/N)
3. Locates the apex beat and marks its position (Y/N)
4. Applies the stethoscope to her ears and places its diaphragm on the mitral area. (Y/N)
5. Listens to the heart sounds and checks these with carotid artery pulse. (Y/N)

GIT

OSPE

Aim: To palpate the liver of the subject provide.

Check-list:

1. Asks the subject to lie flat on the bed, relax with knees and hips flexed, and to breathe through the mouth. Asks if there is any tenderness or pain. (Y/N)
2. Bends down or kneels beside the subject's right side. Ensures that her hands are warm. (Y/N)
3. Places her right hand flat on the abdomen (with wrist and forearm in the same horizontal plane) and moulds it to the abdomen. (Y/N)
4. Starting in the right iliac fossa, with fingers almost straight and slightly flexed at metacarpopharyngeal joints, presses inwards and upwards, works up towards costal margin. (Y/N)
5. Asks the subject to take a deep breath and at the height of inspiration, tries to



feel the liver (does not poke fingers into the subject's abdomen). (Y/N)

CNS

CRANIAL NERVES

OSPE-I

Aim: To test the 5th cranial nerve in the subject provided.

Checklist:

1. Makes the subject sit on a stool and explains the procedure. (Y/N)
2. Asks the subject to look at a distance, and touches his/her conjunctiva with a wisp of cotton, and notes the response. (Y/N)
3. Tests the sensations of touch and pain with a wisp of cotton and a pin on identical points on the two sides of the face. (Y/N)
4. Asks the subject to show his/her teeth and then to clench his/her teeth. Watches and feels the masseter and temporalis muscles contracting. (Y/N)
5. Asks the subject to open his/her mouth and move the mandible from side to side Then tests the mandibular reflex. (Y/N)

OSPE-II

Aim: To test the 7th cranial nerve in the subject provided.

Checklist:

1. Explains the procedure to the subject. Looks for facial symmetry, furrows on the forehead, and the width of the palpebral fissure. (Y/N)
2. Asks the subject to look up and wrinkle his/her forehead, and then to shut his/her eyes as tightly as possible against the examiner's resistance. (Y/N)
3. Asks the subject to show his/her upper teeth and to smile. (Y/N)
4. Asks the subject to inflate his/her mouth with air and to blow out his/her cheeks. Then taps his/her cheeks, on either side with his/her finger, to see if air escapes from the angle of the mouth. (Y/N)



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5. Asks the subject to depress his/her lower lip. (Y/N)

OSPE-III

Aim: To test the 11th cranial nerve of the subject provided.

Checklist:

1. Asks the subject to sit comfortably and explains the procedure. (Y/N)
2. Stands behind the subject and places his/her hands on his/her shoulders. Then asks him/her to shrug his/her shoulders against his/her resistance. (Y/N)
3. Places his/her hand on the right side of the subjects face and asks him/her to rotate his/ her head to the opposite side. Watches the left sternomastoid. (Y/N)
4. Repeats the procedure on the left side and asks him/her to rotate his/her head to the left, and watches the right sternomastoid muscle. (Y/N)
5. Places his/her hand on the subject's forehead and asks him/her to bend his/her head forwards against resistance. (Y/N)


OSPE-IV

Aim: To test the 12th cranial nerve in the subject provides,

Checklist:

1. Explains the procedure to the subject (Y/N)
2. Asks the subject to push out his/her tongue as far as possible, Then inspects its position, evidence of wasting and fasciculation. (Y/N)
3. Asks the subject to move his/her tongue from side to side over the lips and against the walls of the cheeks. (Y/N)
4. Places his/her finger over the subject's cheek and asks him/her to push against it. Repeats on the opposite side. (Y/N).
5. Asks the subject to touch the tongue to the palate, and then to depress it into the floor of the mouth. (Y/N)




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MOTOR SYSTEM

OSPE-I

Aim: To assess the muscle tone in the upper limb of the subject provided.

Checklist:

1. Explains the procedure to the subject and seats him comfortably. (Y/N)
2. Holds the forearm of the subject and alternately flexes and extends his wrist with her other hand, (Y/N).
3. Performs similar passive movements at the fingers, elbow and shoulder. (Y/N)
4. Compares the muscle tone on the opposite side by passive movements. (Y/N)
5. Notes down the results. (Y/N)

OSPE-II

Aim: To assess the muscle strength in the right upper limb of the subject provided.

Checklist:

1. Explains the procedure to the subject. (Y/N)
2. Asks the subject to shake her hand with full force and then to cause active movements of the fingers and wrist against resistance. (Y/N)
3. Asks the subject to flex and extend the elbow against resistance and watches the prominence of biceps and triceps. (Y/N)
4. Asks the subject to move his shoulder in different directions against resistance. (Y/N)
5. Compares the strength of identical muscles on the opposite side. (Y/N)



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OSPE-III

Aim: To elicit the knee jerk in the subject provided.

Checklist:

1. Seats the subject on a stool and asks him to cross one leg over the other. (Y/N)
2. Gives instructions about the procedure and assures him that the hammer will not cause any pain. (Y/N)
3. Places her hand on the subject's quadriceps muscle. (Y/N)
4. Locates the patellar tendon and then strikes it between the patella and the tibial tuberosity, holding the hammer between thumb and fingers and swinging it from the wrist. (Y/N)
5. Watches/feels the contraction of quadriceps muscle, and the kicking forward of the leg. Compares the response with the opposite side. (Y/N)

OSPE-IV

Aim: To elicit the ankle jerk in the supine position in the subject provided.

Checklist:

1. Gives instructions about the procedure and assure that the hammer will not cause pain. (Y/N)
2. Asks him to lie supine on the examination couch, and place the right knee semiflexed and externally rotated. (Y/N)
3. Slightly dorsiflexes the foot with her hand to stretch the Achilles tendon. Holding the patellar hammer between the thumb and fingers, strikes the tendon with a movement at the wrist. (Y/N)
4. Watches the plantar flexion of the foot, toes, and ankle, with contraction of calf muscles. (Y/N)



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5. Elicits the ankle jerk on the other side for comparison. (Y/N)

OSPE-V

Aim; To elicit the right plantar reflex on the subject provided.

Checklist:

1. Explains the procedure and asks the subject lie supine on the examination couch. (Y/N)
2. Stands on the subject's right side, asks him to relax the leg and foot, and flex the knee slightly. (Y/N)
3. Supports the foot by placing her hand on the medial malleolus. (Y/N)
4. Gives a light scratch with the blunt point of the patellar hammer along the outer edge of the sole of the foot, starting from the heel towards the little toe and then medially along the base of the toes. (Y/N)
5. Watches the response carefully. Repeats once more if required. (Y/N)



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SENSORY SYSTEM

OPSE-I

Aim: To test the sensation of fine touch on the frontal aspect of the subject's left forearm.

Checklist:

1. Makes the subject sit on a stool and explains the procedure. (Y/N)
2. Asks her to bare her forearms and put them on the table in front. Tells her to close her eyes. (Y/N)
3. Takes a piece of cotton and twists it into a pointed 'wisp'. Then lightly touches the skin on the fingertips, palms, and forearm and asks "now?" and the subject responds with a "yes", "no", or "don't know" (Y/N)
4. Checks the responses occasionally without the stimulus. (Y/N)
5. Compares the responses on the opposite forearm. (Y/N)

OSPE-II

Aim: To test two-point discrimination on the anterior forearm of the right side.

Checklist:

1. Explains the procedure to the subject and asks him to respond "one", "two", or "don't know" when she touches his skin with the compass points. (Y/N)
2. Asks him to close his eyes. Opens the compass a little and lightly touches the fingertips, palm, back of fingers and hand, front and back of forearm, one after another. (Y/N)
3. If the response is "one" at any place, she opens the compass points and tests again, till he responds with "two". (Y/N)
4. In this way she notes the discrimination of two points at various places. (Y/N)



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5. Compares the responses on the opposite side.

(Y/N)

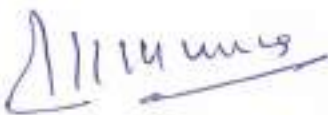
OSPE-III

Aim: To test the sensation of vibration in the left leg and arm of the subject provided.

Checklist:

1. Explains the procedure and assures him that no pain will be caused. (Y/N)
2. Selects a tuning fork of 128 Hz, strikes one prong against the edge of her hand to set it into vibration. Then places its base on his knuckle to familiarize him with the 'vibrating tremor' (Y/N)
3. Tests the vibration on his knuckles, head of radius, elbow, patella, and medial malleolus. Then asks "now"? She occasionally tests with her finger tip or a pencil. (Y/N)
4. Notes the response in each case with a "yes", "no", or "don't know". If the response is "no" or "don't know", she tests on another bony prominence. (Y/N)
5. Compares the responses on the other side. (Y/N)




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BLUE PRINTING (2019 – 20) (Preliminary exam)

Paper – I

Topic	Competency No.	Weight age
Basic Biochemistry	1.1	1
Enzymes	2.1 – 2.7	3
Chemistry & metabolism of carbohydrates	3.1 – 3.10	3
Chemistry & metabolism of lipids	4.1 – 4.7	3
Biological oxidation	6.6	2
Xenobiotics	7.5	1
Antioxidants & defence system	7.6 – 7.7	3
Nutrition	8.1 -8.5	3
Extracellular matrix	9.1 – 9.3	1
Oncology, oncogenesis & immunity	10.1 – 10.5	3
Biomedical waste	11.1	1
Physical characteristics and chemical composition of CSF	11.15	1
Energy contents of lipids, carbohydrate & proteins in common food items. Advantages of unsaturated fats. Disadvantages of saturated and trans fats in food	11.23 & 11.24	3
AETCOM.	Module 1.4	2




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BLUE PRINTING (2019 – 20) (Preliminary exam)

Paper – II

Topic	Competency No.	Weight age
Chemistry & metabolism of proteins	5.1 – 5.5	3
Integration & starvation	6.1	2
Nucleic acid metabolism	6.2 – 6.4	2
Vitamins	6.5	3
Water electrolyte balance & acid base balance	6.7 – 6.8	3
Mineral metabolism	6.9- 6.10	2
Haemoglobin chemistry and metabolism	6.11 – 6.12	3
Organ function test	6.13 – 6.15	2
Molecular biology	7.1 – 7.3	2
Genetic engineering	7.4	2
Urine: Screening of inborn errors	11.5	2
Principle, application and working of following lab equipments / techniques: Ph meter chromatography of amino acids, protein electrophoresis, TLC, PAGE, Electrolyte analysis by ISE, ABG analyzer, ELISA, immunodiffusion, auto analyzer, quality control, DNA isolation from blood / tissue	11.16	2




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Skeleton of question paper

Sr. no	Section	Question	Actual Marks	Marks with options
1	A	Multiple choice question (20 x 1)	20	20
2	B	Brief answer question (10 x 2)	20	22
3		Short answer question (8 x 5)	40	45
4		Long answer question (10 x 2)	20	30
		Total marks	100	117



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Weight age for Pre – Clinical Subjects

Sr. no	Clinical application of topic.	Weight age
1	The topic have no or little clinical application	1
2	The topic have moderate clinical application	2
3	The topic have high clinical application	3



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(Internal assessment I & II) (2019 – 20)

Weight age for Pre – Clinical Subjects

Sr. no	Clinical application of topic.	Weight age
1	The topic have no or little clinical application	1
2	The topic have moderate clinical application	2
3	The topic have high clinical application	3



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Syllabus for (Internal assessment I) 2019 – 20

Sr no	Topic	Weightage
1	Cell	1
2	Chemistry & metabolism of carbohydrates	3
3	Chemistry & metabolism of proteins	3
4	Chemistry & Hemoglobin with hemoglobinopathies	3
5	Nutrition	3
6	Enzymes	3
7	Biological oxidation	2
8	Oxidative stress in atherosclerosis	1

Skeleton of question paper (Internal assessment I)

Sr no	Section	Question	Actual Marks	Marks with options
1	A	Multiple choice question (20 x 1)	20	20
2	B	Short answer question (4 x 5)	20	25
3		Long answer question (10 x 2)	20	30
4	C	Short answer question (4 x 5)	20	25
		Long answer question (10 x 2)	20	30
		Total marks	100	130



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Marks allotted to each topic of syllabus

Topic	Alloted Marks	Multiple choice question			Short answer question			Long answer question		
		Recall	Comprehensive	Application on base	Recall	Comprehensive	Application on base	Recall	Comprehensive	Application on base
Cell	7	1	1				5			
Chemistry & metabolism of Carbohydrates	21	2	2	2			5	10		
Chemistry & metabolism of proteins	21	1			5		5	10		
Chemistry of Hemoglobin with hemoglobinopathies	20				5		5			10
Nutrition	20	2	1	2	5			10		
Enzymes	22	2			5		5			10
Biological oxidation	14	2	1	1				10		
Oxidative stress in atherosclerosis	5				5					
Total	130									



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Syllabus for (Internal assessment II) 2019 - 20

Sr no	Topic	Weightage
1	Kidney Function Test	2
2	Liver Function Test	2
3	Chemistry & metabolism of Nucleic Acid	2
4	Chemistry & metabolism of Lipid	3
5	Vitamin	3
6	Integration / Starvation	2
7	Hemoglobin metabolism	3

Skeleton of question paper (Internal assessment II)

Sr. no	Section	Question	Actual Marks	Marks with options
1	A	Multiple choice question (20 x 1)	20	20
2	B	Brief answer question (10 x 2)	20	22
3		Short answer question (8 x 5)	40	45
4		Long answer question (10 x 2)	20	30
		Total marks	100	117



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Marks allotted to each topic of syllabus

Topic	Allotted Marks	Multiple choice question			Brief answer question			Long answer question			Long answer question		
		Recall	Comprehensive	Application on base	Recall	Comprehensive	Application on base	Recall	Comprehensive	Application on base	Recall	Comprehensive	Application on base
Kidney Function Test	13	2	1	1	2	2		5					
Liver Function Test	13	1	1	2	2		2	5					
Chemistry & metabolism of Nucleic Acid	13	1					2	5		5			
Chemistry & metabolism of Lipid	22	2						5		5	10		
Vitamin	22	1	1	1	2		2			5	10		
Integration / Starvation	13	2	1	1	2	2				5			
Hemoglobin metabolism	21	1	1		2	2				5			10
Total =	117												



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DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

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6th Semester

Step – 1

List of Topics –PAPER I (Gynaecology)

Sr. No.	Topics
1	Development of Genital tract
2	Physiology of Menstruation
3	Menstrual abnormalities
4	Puberty
5	Menopause
6	Infection of genital tract
7	Leiomyoma
8	Adenomyosis
9	Endometriosis
10	Prolapse
11	Urinary disorders in Gynaecology
12	Contraception
13	MTP



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Step -2

Skeleton of the assessment tool

Question Pattern/ Type	No. of Interns	Marks	Marks Including Options
MCQs	10 (0.5 marks each)	5	10
LAQs	1 (6 marks each)	6	6
SAQs	Any 3 out of 4 (3 marks each)	9	9
Total	15	20	23



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Step-1

List of Topics – PAPER II (Obstetrics)

Sr. No.	Topics
1	Hyperemesis gravidarum
2	Abortion
3	Ectopic Pregnancy
4	Gestational Trophoblastic Disease
5	Ante-partum haemorrhage
6	Anemia in pregnancy
7	Heart disease in pregnancy
8	Pre-eclampsia and eclampsia
9	Diabetes in pregnancy
10	Jaundice in pregnancy
11	Pulmonary disease in pregnancy



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Step -2

Skeleton of the assessment tool

Question Pattern/ Type	No. of Interns	Marks	Marks Including Options
MCQs	10 (0.5 marks each)	5	10
LAQs	1 (6 marks each)	6	6
SAQs	Any 3 out of 4 (3 marks each)	9	9
Total	15	20	23



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OSCE for Undergraduate students

Station 1: Demonstration of Abdominal Examination

Checklist:

Station Requirement: Examination table, Patient, Pen and paper.

Time: 5-10 mins

Steps	Yes/No/Correct answer	Marks
Greet the Patient		1/2
Is the procedure explained to the patient?		1/2
Is proper position given to the patient?		1/2
Is hand warming done?		1/2
Is privacy of patient maintained?		1/2
Is Uterus centralised?		1/2
Examination done according to Leopold's manoeuvre		1
Write your findings		1
Enumerate Abdominal Grips		1



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Station 2: Demonstration of Foley's Catheterisation

Checklist:

Station Requirement: Examination Table, Patient, Light source, Sterile gloves, Foley's catheter, 10 cc syringe, Urobag, NS.

Time: 5-10 mins

Steps	Yes/No/Correct answer	Marks
Greet the patient		1/2
Is the procedure explained to the patient?		1/2
Is proper position given to the patient?		1/2
Is privacy of the patient is maintained?		1/2
Use of proper sterile gloves.		1/2
Introduction of Foley's catheter under all aseptic precaution		1
Fluid used for inflation of foley's bulb and Quantity used.		1/2




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Station 3: Demonstration of Phantom forceps application

Checklist:

Station Requirements: Examination table, Patient, Sterile gloves, Forceps, episiotomy scissors.

Time: 5-10 mins

Steps	Yes/No/Correct Answers	Marks
Greet the patient, take proper consent.		1/2
Is the procedure explained to the patient?		1/2
Is proper position given to the patient?		1/2
Is privacy of the patient is maintained?		1/2
Use of proper sterile gloves.		1/2
Check pre requisite for forceps application		1/2
Carry out proper application of forceps under all aseptic precautions.		1
Give complication for forceps application.		1/2
Give indication for forceps application.		1/2



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Station 4: Demonstration of PAP Smear

Checklist:

Station Requirements: Examination table, Patient, Light source, sterile gloves, Speculum, Ayer's spatula, Slide, Fixing agent.

Time: 5-10 mins

Steps	Yes/No/Correct Answers	Marks
Greet the patient		1/2
Is the procedure explained to the patient?		1/2
Is proper position given to the patient?		1/2
Is privacy of the patient maintained?		1/2
Use of proper sterile gloves.		1/2
Use of proper light focus		1/2
Introduction to speculum		1/2
PAP smear taken from transformation zone with Ayer's spatula		1/2
PAP smear fixing		1/2
Making a smear on slide		1/2
Fixing smear		1/2
Labelling the slide		1/2



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**Station 5: Demonstration of Examination PNC mother
(FTND).**

Checklist:

Station Requirements: Examination table, Patient, Pen and paper.

Time: 10 mins

Steps	Yes/No/Correct answer	Marks
Greet the Patient		1/2
Is the procedure explained to the patient?		1/2
Is proper position given to the patient?		1/2
Is hand warming done?		1/2
Is privacy of patient maintained?		1/2
Are vitals measured properly?		1/2
Is breast examination done properly?		1/2
Is uterine height checked?		1/2
Is episiotomy checked?		1
Write your findings		1




Professor & Head,
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& Gynaecology,
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DHULE. [M.S.]

ACPM MEDICAL COLLEGE, DHULE

DEPARTMENT OF SURGERY

PRELIMINARY EXAMINATION

BLUEPRINT UG

LIST OF TOPICS – PAPER 1

SR.NO	TOPICS
1.	GENERAL PRINCIPLES OF SURGERY
2.	ONCOLOGY
3.	HEAD, FACE, NECK
4.	BREAST, ENDOCRINE SURGERY AND TRAUMA

LIST OF TOPICS – PAPER 2

SR.NO	TOPICS
1.	GASTROINTESTINAL TRACT INCLUDING COLON, RECTUM, ANAL CANAL
2.	HERNIA
3.	LIVER, PANCREAS, BILIARY TRACT, SPLEEN
4.	PAEDIATRIC SURGERY
5.	UROLOGY
6.	CARDIOTHORACIC SURGERY
7.	PLASTIC SURGERY
8.	DENTAL SURGERY
9.	RADIOLOGY AND RADIOTHERAPY
10.	ANAESTHESIOLOGY




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SKELETON OF THE ASSESSMENT TOOL FOR PAPER – 1

QUESTION PAPER/TYPE	NO. OF ITEMS	MARKS	MARKS INCLUDING OPTION
MCQ'S	20(0.5 marks each)	10	10
LAQ'S	2(8 marks each)	16	16
SAQ'S	Any 3 out of 5 (3 marks each)	9	15
TOTAL		35	41

SKELETON OF THE ASSESSMENT TOOL FOR PAPER – 2

QUESTION PAPER/TYPE	NO. OF ITEMS	MARKS	MARKS INCLUDING OPTION
MCQ'S	30(0.5 marks each)	15	15
LAQ'S	3(8 marks each)	24	24
SAQ'S	Any 7 out of 11 (3 marks each)	21	33
TOTAL		60	72



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DEPARTMENT OF SURGERY

OSCE FOR UNDER- GRADUATE STUDENTS

OSCE – 1

PER ABDOMEN EXAMINATION

Q.1 Perform per abdominal examination of this patient and write your findings.(2 marks)

Q.2 What is rebound tenderness. (1 mark)

Q.3 What is shifting dullness. (1 mark)

Q.4 How do you differentiate between superficial and deep lump. (1 mark)

CHECKLIST:-

1. Communication skill(1/2)
Proper examination of patient(1/2)
2. Proper method of demonstration(1)
3. Correct answer(1)
4. Correct answer(1)



A handwritten signature in blue ink, likely belonging to the Professor and Head of the Department of Surgery.

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ACPM MEDICAL COLLEGE, DHULE
DEPARTMENT OF SURGERY
OSCE FOR UNDERGRADUATE STUDENTS
OSCE 2

30 YEAR OLD MALE WITH SWELLING IN SCROTUM

- Q.1 Take proper history and perform examination of patient. (2 marks)
- Q.2 What is the diagnosis? (1)
- Q.3 What investigations are to be done in this case? (1)
- Q.4 Write the treatment modalities in this case? (1)

CHECKLIST :-

1. Communication skill(1)
2. Correct method of examination(1)
3. Correct answer (1)
4. Correct answer (1)
5. Correct answer (1)




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DEPARTMENT OF SURGERY
OSCE FOR UNDERGRADUATE STUDENTS
OSCE 3

60 year old male with history of non healing ulcer over right foot.

Q.1 Perform examination of ulcer. (3)

Q.2 What is an ulcer? (1)

Q.3 Demonstrate palpation of dorsalis pedis artery. (1)

CHECKLIST:-

1. Communication skill (1/2)
2. Proper diagnosis(1/2)
3. Description of ulcer(2)
4. Correct answer (1)
5. Correct demonstration (1)




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DEPARTMENT OF SURGERY
OSCE FOR UNDERGRADUATE STUDENTS
OSCE 4

EXAMINE A 48 YEAR OLD FEMALE PATIENT PRESENTING WITH PAIN IN ABDOMEN ON RIGHT SIDE SINCE 24 HOURS.

Q.1 Take proper history and do abdominal examination. (2)


Q.2 What are the different quadrants of abdomen. (1)

Q.3 What is biliary colic (1)

Q.4 What are causes of obstructive jaundice in 48 yr old female. (1)

CHECKLIST :-

1. Communication skill (1)
2. Proper abdominal examination (1)
3. Correct answer (1)
4. Correct answer (1)
5. Correct answer (1)


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OSCE FOR UNDERGRADUATE STUDENTS
OSCE 5

A 44 YEAR OLD FEMALE PRESENTS WITH THE LUMP IN RIGHT BREAST.

Q.1 Take proper history and do clinical examination. (3)

Q.2 What is differential diagnosis. (1)

Q.3 What is true cut needle biopsy. (1)

CHECKLIST :-

1. Communication skill (1)
2. Clinical examination (2)
3. Differential diagnosis (1)
4. Correct answer (1)



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Department of Medicine

OSCE- Objective Structured Clinical Examination

The Department of General Medicine implements the OSCE assessment format, in which the candidates

(Students) rotate around a circuit of stations, at each of which specific tasks are to be performed, usually involving clinical skills. All the candidates are presented with the same test and specific skill modalities are tested at each station viz.

- History taking
- Clinical examination
 - Procedure demonstration
 - Diagnosis
- Patient management

OSCE is structured and objective format of assessment, reducing examiner variability and bias and minimizing case variability presented to the students, apart from allocating specific weightage for testing different competencies.

OSCE BLUE PRINT

stations	History taking	General examination	procedure	Systemic examination	Other systems	diagnosis	management	Pt. counselling
CVS								
RS								
PA								
CNS								
Marks	10	5	5	5	10	5	5	2

Total Marks-50

Total Time-60 minutes




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Department of Medicine

OSCE STATIONS

We have 4 OSCE stations pertaining to 4 systems in General Medicine- CVS, RS, PA, CNS.

Each Station has

- A specific task for the student
- Written candidate instructions
- Time allotted .
- Marks allotted

The department also conducts prior training of the examiners. At each station the examiner has a copy of the students instructions.

Patient selection and training

- Real patients to examine clinical skills Select simulation/standardized patients (ap)
- Simulated pts also can simulate number of clinical sigis (sudden visual loss
localized abdominal pain

Simulated patients instructions:

- Give as much detail as possible so they can be consistent. Try to leave as little as possible for them to add
- Give enough information to enable them to answer questions consistently
- Be specific about affect in each role
- Specify patient demographics Le. gender, age ethnicity, social class etc.

Practical Arrangements

Instructions to candidates

- You should be able to show communication skills You should be able to counsel a patient regarding his disease and treatment
- You should be able to break bad news. You should be able to perform intubation on mannequin




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- You should be able to assemble commonly med equipments like IV set, intracath etc.

Instructions to Examiners

- You should examine student according to checklist.
- You should check time management of each student at each station..
- You should check communication skills, counseling and management from students and give marks accordingly.




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OSCE Station Writing
1. CNS Case

Station 1- History Taking

65 year of male admitted with complaints of right upper and lower limb weakness since 4 days and deviation of mouth since 4 days. Student instructions: checklist

S.N	Student instructions	Marks
1	You are expected to take focused history detailed history of present illness, past history family history history of treatment and history of etiology	4
2	You will be tested on your ability to take a focused history	3
3	Your interpersonal and communication skill	3

Time Allotted: 15 Minutes

Marks Allotted: 10 Marks

Station 2: Differential Diagnosis

S.N	Student Instructions	Marks
1	You should be able to draw at least 2-3 differential diagnosis with given complaints and in given	5

Time Allotted-5

Marks Allotted-5 Marks

Station 3: General Examination

S.N	Student Instructions	Marks
1	You should be able to find out Nutritional status of patient	2
2	You should be able to check pullor, terus, lymphadenopathy and demonstrate methods of palpations and inspection of these findings, comme sites we look	3

Time Allotted 5 Minutes

Marks Allotted-5 Marks



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Station 4: Procedure Demonstration

S.N	Student Instructions	Marks
1	You should be able to measure pulse and blood pressure of the patient.	2
2	You should know the normal readings of pulse and blood pressure and normal character	2
3	You should be able to palpate all peripheral pulsations and know their sites of palpations	1

Time allotted-5 min.

Marks allotted- 5 marks

Station 6- Systemic Examination Related To The Case

S.N	Student instructions	Marks
1	You should be able to examine motor sensory system	5
2	You should be able to calculate Glasgow Coma Scale	5

Time allotted- 5 minutes

Marks allotted- 2 marks

Station 7: Diagnosis

S.N	Student Instructions	Marks
1	You should be able to conclude the probable diagnosis of the patient with associated risk factors	5

Time Alloted- 5 minutes

Marks Alloted-5 marks

Station 8: Management

S.N	Student Instructions	Marks
1	You should be able to differentiate between CT scan and MRI films	1
2	You should know the management of ischemic stroke and haemorrhagic stroke	1

Time Alloted-5 minutes

Marks Alloted- 2 marks



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Station 9: Patient Counselling

S.N	Student Instructions	Marks
1	You should be able to communicate with patient and relatives regarding seriousness of condition in their mother tongue	3

Time allotted- 5 minutes


Marks Alloted -3 Marks

Total

Time – 60 minutes

Marks – 50 marks




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OSCE Station writing
2. CVS Case

Station 1- History Taking

Patient admitted with breathlessness on exertion and palpitations.

Student instructions: Checklist

S.N.	Student Instructions	Marks
1	You are expected to take focused history, detail history of present illness and past history, family history, history of treatment and history of etiology.	4
2	You will be tested on your ability to take a focused history	3
3	Your interpersonal and communicational skill	3

Time Alloted: 15 minutes

Marks Alloted: 10 marks

Station 2: Differential Diagnosis

Based on your history what are your differential diagnosis

S.N.	Student Instructions	Marks
1	You should able to draw at least 2-3 differential diagnosis with given complaints and in given time.	5

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 3: General Examination

S.N.	Student Instructions	Marks
1	You should be able to find a nutritional status of patient	2
2	You should be able to check pallor, icterus, lymphadenopathy and demonstrate methods of palpations and inspection of these findings, common sites we look for.	3

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 4: Procedure Demonstration

S.N.	Student Instructions	Marks
1	You should able to measure pulse and blood pressure of the patient	2
2	You should know the normal readings of pulse and blood pressure and normal character.	2
3	You should able to palpate all peripheral pulsations and their sites of palpations	1

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks



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Station 5: Systemic Examination Related To The Case

S.N.	Student Instructions	Marks
1	You Should able to Examine CVS(inspection, Palpation, percussion, Auscultation)	5
2	You should able to locate apex beat and abnormal sound on auscultation	5

Time Alloted: 10 Minutes

Marks Alloted: 10 Marks

Station 6: Relevant Other Systemic Examination

S.N.	Student Instructions	Marks
1	Respiratory System- inspection, palpation, Percussion and auscultation	2
2	Per abdomen inspection, palpation, Percussion	1
3	CNS- sensory motor higher functions you should be able to calculate GCS score in any patient	2

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 7: Diagnosis

S.N.	Student Instructions	Marks
1	You should be able to conclude the probable diagnosis of the patient with associated risk factors	5

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 8: Management

S.N.	Student instructions	Marks
1	You should be able to know what are different anticoagulation therapy and diuretics	1
2	You should know the basics of ECG	1

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 9: Patient Counseling

S.N.	Student Instructions	Marks
1	You Should be able to communicate with patient and relatives ding seriousness of condition in there mother tongue.	3

Time Alloted: 5 Minutes


Marks Alloted: 3 Marks

Total

Time- 60 Minutes

Marks- 50 Marks




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Department of Medicine

OSCE Station Writing

3.RS Case

Station 1 :History taking

Patient admitted with complaints of dyspnea& cough with expectoration

Students Instruction Checklist

S.N.	Students Instruction	Marks
1	You are expected to take focused history , detail history of present illness ,past history ,family history of treatment & history of etiology	4
2	You will be tested on your ability to take a focused history	3
3	Your interpersonal &communication skill	3

Time Allotted: 15 minutes

Marks Allotted: 10 marks

Station 2: Differential Diagnosis

Based on your history what are your differential diagnosis

S.N.	Students Instruction	Marks
1	You should be able to draw at least 2-3 differential diagnosis with given complaints and in given time	5

Time Allotted: 5 minutes

Marks Allotted: 5 marks

Station 3: General Examination

S.N.	Students Instruction	Marks
1	You should be able to find out Nutritional status of the pateint	2
2	You should be able to check pallor, icterus ,lymphadenopathy& demonstrate methods of palpatations& inspection of these findings common sites we look for	3

Time Allotted: 5 minutes

Marks Allotted: 5 marks


Station 4: Procedure Demonstration

S.N.	Student Instructions	Marks
1	You should able to measure pulse and blood pressure of the patient	2
2	You should know the normal readings of pulse and blood pressure and normal character.	2
3	You should able to palpate all peripheral pulsations and their sites of palpatons	1

Time Allotted: 5 Minutes

Marks Allotted: 5 Marks




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Station 5: Systemic Examination Related To The Case

S.N.	Student Instructions	Marks
1	You Should able to Examine RS(inspection, Palpation, percussion, Auscultation)	5
2	You should able to differentiate between bronchial and vesicular signs	5

Time Alloted: 10 Minutes

Marks Alloted: 10 Marks

Station 6: Relevant Other Systemic Examination

S.N.	Student Instructions	Marks
1	CVS- inspection, palpation, Percussion and auscultation	2
2	Per abdomen inspection, palpation, Percussion	1
3	CNS- sensory motor higher functions you should be able to calculate GCS score in any patient	2

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 7: Diagnosis

S.N.	Student Instructions	Marks
1	You should be able to conclude the probable diagnosis of the patient with associated risk factors	5

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 8: Management

S.N.	Student instructions	Marks
1	You should be able to know the management of acute attacks of bronchial asthma with intra venous theophylline / aminophylline therapy	1
2	You should know the antibiotics commonly used in pneumonia	1

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 9: Patient Counseling

S.N.	Student Instructions	Marks
1	You Should be able to communicate with patient and relatives ding seriousness of condition in there mother tongue.	3

Time Alloted: 5 Minutes

Marks Alloted: 3 Marks

Total

Time- 60 Minutes

Marks- 50 Marks




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Department of Medicine

OSCE Station Writing
4.Per Abdomen Case

Station 1 :History taking

45 year of male admitted with complaints of abdominal distension since 20 days & b/l lower limb swelling since 10 days

Students Instruction Checklist

S.N.	Students Instruction	Marks
1	You are expected to take focused history , detail history of present illness ,past history ,family history of treatment & history of etiology	4
2	You will be tested on your ability to take a focused history	3
3	Your interpersonal & communication skill	3

Time Allotted: 15 minutes

Marks Allotted: 10 marks

Station 2: Differential Diagnosis

Based on your history what are your differential diagnosis

S.N.	Students Instruction	Marks
1	You should be able to draw at least 2-3 differential diagnosis with given complaints and in given time	5

Time Allotted: 5 minutes

Marks Allotted: 5 marks

Station 3: General Examination

S.N.	Students Instruction	Marks
1	You should be able to find out Nutritional status of the patient	2
2	You should be able to check pallor, icterus, lymphadenopathy & demonstrate methods of palpations & inspection of these findings common sites we look for	3

Time Allotted: 5 minutes

Marks Allotted: 5 marks


Station 4: Procedure Demonstration

S.N.	Student Instructions	Marks
1	You should be able to measure pulse and blood pressure of the patient	2
2	You should know the normal readings of pulse and blood pressure and normal character.	2
3	You should be able to palpate all peripheral pulsations and their sites of palpations	1

Time Allotted: 5 Minutes

Marks Allotted: 5 Marks




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Station 5: Systemic Examination Related To The Case

P/A Examination-

S.N.	Student Instructions	Marks
1	You Should able to do inspection, Palpation, percussion, Auscultation of P/A system	4
2	You should able to find out volume of ascites clinically	3
3	You should know methods of ascitic tapping	3

Time Alloted: 10 Minutes

Marks Alloted: 10 Marks

Station 6: Relevant Other Systemic Examination

S.N.	Student Instructions	Marks
1	CVS- inspection, palpation, Percussion and auscultation	2
2	R/S - inspection, palpation, Percussion	2
3	CNS- sensory motor higher functions you should be able to calculate GCS score in any patient	1

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 7: Diagnosis

S.N.	Student Instructions	Marks
1	You should be able to conclude the probable diagnosis of the patient with associated risk factors	5

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 8: Management

S.N.	Student instructions	Marks
1	You should be able to draw signs of portal hypertension clinically eg. Able to palpate spleen to perform fluid thrill	1
2	You should know the management of hepatic encephalopathy	1

Time Alloted: 5 Minutes

Marks Alloted: 5 Marks

Station 9: Patient Counseling

S.N.	Student Instructions	Marks
1	You Should be able to communicate with patient and relatives ding seriousness of condition in there mother tongue.	3

Time Alloted: 5 Minutes


Marks Alloted: 3 Marks

Total

Time- 60 Minutes

Marks- 50 Marks




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2.5.3

Reforms in Evaluation


Self Assessment –UG

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Department of Medicine

Demonstration of the CNS Reflexes-UG
(Central Nervous System)

Sr. No.	Checklist	Yes/No
1	Introduction of oneself to the patient	
2	Explain the procedure	
3	Take oral consent of examination	
4	Examination by standing on the right side the patient	
5	Able to hold the hammer in proper manner	
6	Able to demonstrate superficial & deep tendon reflexes with their root values	
7	Able to perform jendarsacksmaneuver (tight holding of hands or clinching of teeth) while performing reflexes	
8	Able to tell grades reflexes , & able to elicit whether reflexes are normal or absent or diminished or brisk or exaggerated or clonus(ankle/clonus)	
9	Able to perform Babinskis sign	





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Central Line Insertion -UG

Sr. No.	Checklist	Yes/No
1	Introduction of oneself to the patient	
2	Explain the procedure	
3	Positioning of the patient in the supine position	
4	Local Anesthesia at the insertion site	
5	Recognizing the carotid triangle and carotid artery	
6	Insertion of central line	
7	Insertion of guide wire	
8	Check venous blood	
9	Remove guide wire and fix catheter	




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Department of Medicine

Palpation of Liver & Spleen -UG (Gastro-intestinal System)

Sr. No.	Checklist	Yes/No
1	Introduction of oneself to the patient	
2	Explain the procedure	
3	Positioning of the patient in the supine position examining from right side of the patient	
4	Take proper oral consent for examination	
5	Inspect the patient's status whether he or she is comfortable at rest or obviously short of breath	
6	Palpation of abdomen first in deep inspiration & expiration	
7	Palpation of liver & methods of palpation	
8	Palpation of spleen & methods of palpation	
9	Able to outline the border of liver & spleen on palpation	
10		




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Lung Percussion -UG
(Respiratory System)

Sr. No.	Checklist	Yes/No
1	Introduction of oneself to the patient	
2	Explain the procedure	
3	Take oral consent for examination	
4	Examination by standing on the front and back side of the patient seating position given to the patient	
5	Percussion of the lung fields , alternating form top to bottom and comparing both sides ,areas of percussion i.e. supraclavicular infraclavicular, inframmary , supramammary, axillary , suprascapular ,infrascapular,interscapular	
6	Whether able to differentiate between resonant , hyper resonant and dull note	
7	Tympanic note on chest percussion	



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CHECK LIST OF MARKS ALLOTTED IN EACH EXAMINATIONS

Theory Examination:

Terminal Examination: – First and Second

MCQ	– 14 Marks
Section B	– 20 Marks
Section C	– 16 Marks

Preliminary Examination: -	MCQ	- 8 Marks
	Section B	- 20 Marks
	Section C	- 12 Marks

Practical Examination:

Terminal Examination: – First and Second

Prescription writing	– 5 Marks
Pharmacy	- 5 Marks
Spots	- 10 marks
Viva 1	- 10 Marks
Viva 2	- 10 Marks

Preliminary Examination:

Prescription Writing	- 5 Marks
Criticism	- 4 Marks
Justification	- 4 Marks
Pharmacy	- 5 Marks
Spots	- 8 Marks
Viva 1	- 7 Marks
Viva 2	- 7 Marks



for
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Department of Pharmacology,
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ACPM MEDICAL COLLEGE, DHULE
DEPARTMENT OF PHARMACOLOGY
OBJECTIVE STRUCTURED PRACTICAL EXAMINATION (OSPE)

1) Prescription Writing – OSPE

a) Single Drug Therapy- Check List

Sr. No.	Check List	Marks - 2
1	Drug Name	0.5
2	Drug Dose	0.5
3	Duration, Frequency	0.5
4	Format	0.5

b) Multiple Drug Therapy- Check List

Sr. No.	Check List	Marks - 3
1	Drug Name	01
2	Drug Dose	0.5
3	Duration	0.5
4	Frequency	0.5
5	Format	0.5

c) Criticize, Correct and rewrite

Sr. No.	Check List	Marks - 4
1	Criticize	01
2	Correct	01
3	Rewrite	02

d) Justification

Sr. No.	Check List	Marks - 4
1	Justification	01
2	Rationale	01
3	Indication, Contraindication, Interaction	02



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2) Pharmacy:

Sr. No.	Check List	Marks - 5
1	Label	02
2	Oral Viva	03

3) Spots – Total 10 - (Terminal Exam – First and Second)

Sr. No.	Topics	No. of questions
1	Experimental Pharmacology	3
2	Human Pharmacodynamics	3
3	Therapeutic Problem	2
4	ADR and Interaction	2

4) Spots – Total 08 - (Preliminary Examination)

Sr. No.	Topics	No. of questions
1	Experimental Pharmacology	2
2	Human Pharmacodynamics	2
3	Therapeutic Problem	2
4	ADR and Interaction	2



for
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ACPM MEDICAL COLLEGE, DHULE
DEPARTMENT OF MICROBIOLOGY

Examination Structured format

(Blue Print)

THEORY EXAMINATION

First Terminal Examination – Theory

Topic	Sec A MCQ - 28	Sec B- 12 SAQ	Sec C – 3 LAQ
Gen. Microbiology	15	6	1
Immunology	5	4	1
Systemic	8	2	1

Second Terminal Examination – Theory

Topic	Sec A MCQ - 28	Sec B- 12 SAQ	Sec C – 3 LAQ
Systemic	-	-	-
GPC	2	2	-
GNC	2	1	1
GNB	6	2	1
GPB	6	2	-
Others	1	1	-
Mycology	6	2	-
Virology	5	2	1

PRACTICAL (VIVA VOCE) EXAMINATION

First Terminal Examination – Practical – Viva Voce

Topic	Viva - 1 (No. of question)	Topic	Viva - 2 (No. of question)
Gen. Microbiology	5	Gen. Microbiology	5
Immunology	3	Immunology	3
Systemic	2	Systemic	2

Second Terminal Examination – Practical – Viva Voce

Topic	Viva (No. of question)	Topic	Viva (No. of question)
Gen. Microbiology	5	Virology	5
Immunology	5	Mycology	5
Systemic	5	Serology	5



[Signature]
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PRELIMINARY EXAMINATION

Paper 1

Topic	Sec A MCQ - 16	Sec B- 6 SAQ	Sec C – 3 LAQ
Gen. Microbiology	8	3	1
Systemic	8	3	2

Paper 2

Topic	Sec A MCQ - 16	Sec B- 6 SAQ	Sec C – 3 LAQ
Immunology	2	1	-
Parasitology	4	1	1
Virology	5	2	1
Mycology	4	1	-
Applied Microbiology	1	1	1

Practical Examination (Viva Voce)

Topic	No. of questions
General Microbiology	6
Immunology	6
Systemic	4
Virology	4
Mycology	4
Parasitology	4




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ACPM MEDICAL COLLEGE, DHULE
DEPARTMENT OF MICROBIOLOGY
OBJECTIVE STRUCTURED PRACTICAL EXAMINATION (OSPE)

1) Term First – Spots and Gram Stain – OSPE

a) Spots

Sr. No.	Spots	Marks - 10
1	General	4
2	Immunology	3
3	Systemic	3

b) Gram Staining

Sr. No.	Check List	Marks - 10
1	Staining Technique	2
2	Focusing	2
3	Identification and Diagram	2
4	Viva	4

2) Term First – Spots and Gram Stain – OSPE

a) Spots

Sr. No.	Spots	Marks - 10
1	Vaccine	1
2	Slide- Systemic Bacteriology	4
3	Un inoculated Media	1
4	Instruments	2
5	Animal	1
6	Serological Reactions	1

b) Gram Staining

Sr. No.	Check List	Marks - 5
1	Staining Technique	1
2	Focusing	1
3	Identification and Diagram	1
4	Viva	2



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CHECK LIST FOR STAINING PROCEDURES

A) CHECKLIST FOR GRAM STAINING AND ZN STAINING

Sr. No.	Check list	Yes/No
1	Identification of side of smear on slide	
2	Quality of staining	
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 question answered correctly and confidently	

B) CHECKLIST FOR STOOL EXAMINATION

Sr. No.	Check list	Yes/No
1	Iodine and 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 question answered correctly and confidently	



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Department of Forensic Medicine and Toxicology

Blue Printing

Structured format for 1st terminal exam – Theory

Topic	Sec A (16 MCQ half mark each (8 marks))	Sec B (20 SAQ)	Sec C (12 LAQ)
State medicine	4	2	1
Identification	2	4	
Injuries	1	4	-
Violent Asphyxia death	3	2	1
Clinical Forensic	2	2	-
Forensic Psychiatry	1	2	4
Thanatology	1	2	
Toxicology	2	2	6

Structured format for 1st terminal Viva voce

Topic	Viva 1 (No. of questions)	Topic	Viva 2 (No. of questions)
State Medicine	2	Forensic psychiatry	1
Clinical Forensic	2	Injuries	2
Toxicology	1	Thanatology	2

Structured format for 2nd terminal exam – Theory winter

Topic	Sec A MCQ (8)	Sec B (20 SAQ)	Sec C (12 LAQ)
State Medicine	-	4	-
Identification	2	4	
Thanatology	01	2	-
Injuries	0	3	
Clinical Forensic	02	3	6
Forensic Psychiatry	01	4	2
Toxicology	02		6



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Structured format for 2nd terminal Viva voce

Topic	Viva 1 (No. of questions)	Topic	Viva 2 (No. of questions)
State Medicine	2	Clinical Forensic	2
Toxicology	2	Forensic Psychiatry	1
Identification	1	Injuries	2

Structured format for Preliminary examination

Topic	Sec A MCQ (8)	Sec B (20 SAQ)	Sec C (12 LAQ)
State Medicine	3	4	-
Identification	3	4	-
Thanatology	2	2	-
Injuries	1	4	-
Violent Asphyxia death	2		06
Clinical Forensic	3	6	-
Forensic Psychiatry	1		-
Toxicology	2		06

Structured format for Preliminary examination Viva

Viva – 1	5 Marks	Viva – 2	5 Marks
Topic	No. of Questions	Topic	No. of Questions
State Medicine	2	Toxicology	3
Medical Jurisprudence	3	Clinical Forensic	2



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Structured format for Practical – Terminal & Preliminary examination

1) Certification of Age estimation or injury report/ victim of sexual assault (OSPE)

Objective Structure Practical Examination

Sr. No.	If Student Mention	Marks = 06
1	Performa writing	02
2	Importance of Consent (Oral, implied, written, and informed consent)	01
3	Important of Identification marks	01
4	Important of opinion	0.5
5	Proper signature and address of doctor are mention correctly	01
6	Injury report are correctly written	0.5

2) Medical certification of cause of death report (OSPE)

Sr. No.	If Student Mention	Marks = 05
1	Performa writing is correct	01
2	Medico-legal importance of Identification mark of deceased/	01
3	Why Informant's address are important.	01
4	Important of cause of death, time and place of death also mention	01
5	Signature and Address of doctor Full name, reg. no also mention correctly	01



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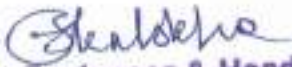
3) Examination of Drunkenness (certification of alcohol) / Certification of potency (SOPE)

Sr. No.	If Student Mention	Marks = 03
1	Performa writing is correct	01
2	Preservation of blood and urine and preservative used no mention	01
3	Opinion report should be rewrite	01

4) Certification of Sickness/Fitness (SOPE)

Sr. No.	If Student Mention	Marks = 03
1	Performa is correct	01
2	Identification mark is not mention correctly	01
3	Cause of illness not correctly mentions, Should be rewrite	01




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Spotters : 10 Marks – (Terminal exam-1 and 2) Five Spotters – Two marks each

Topic	Questions
Toxicology (poisons)	Identify poisons and write its Medico – important. Marks 2
Museum specimen (wet specimen like rupture of liver, gun shot injury of heart. Write types of injuries ?	Which weapon causes rupture of liver? And what is the Medico-legal important? Marks 2
Identification of bones (male or female pelvis)	Identify male or female bone ? Marks 2
Instrument like Dagger, knife, spade, meat chopper.	Write the medico-legal aspect of weapons? Whether this instrument is causes simple or Grievous in nature? 2 Marks
Identification of photography and X-rays.	What is important of this photography? In x-rays report, whether this injury is simple or Grievous in nature? 2 marks



Ghalshe

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A.C.P.M. Medical College & Hospital, Dhule

Department of Forensic Medicine and Toxicology

Self Assessment for Students

Questions	YES/NO
Do you think the present UG syllabus is sufficient to know about Medico legal responsibilities?	
Are you aware about consumer protection act?	
Do you have knowledge about injury certificate?	
Do you know what is rule of nine?	
Do you have knowledge about death certificate and MCCD?	
Can you handle MLC cases independently (Paper writing)?	
Do we need to register MLC irrespective of patients or relatives request?	
Is Hospital legally bound to maintain records?	
Do you need to preserve medico-legal records in computer?	
Do you have knowledge about examination of sexual assault victim?	
Do you know the importance of consent for examination of female patient?	
Do you have knowledge about Medical Negligence's and legal ethics?	
Do you have knowledge about MTP act?	
Do you have knowledge about important steps in management of poisoning cases?	
Do you have knowledge about classification of poisons?	
Do you Attend practical demonstration?	
Do you Attend theory demonstration?	



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ACPM MEDICAL COLLEGE, DHULE
DEPARTMENT OF OPHTHALMOLOGY

OSCE FOR UNDEGRADUATE STUDENTS

OSCE 1


VISUAL ACUITY MEASUREMENT

- Q.1. Measure the distant visual acuity of the given patient using Snellen's chart - 3 Marks
- Q.2. What is normal visual acuity of a person? - 1 Mark
- Q.3. Which chart is used for measuring visual acuity in an illiterate person? - 1 Mark

Checklist

Sr. No.	Check List	Marks
1	Introduces oneself to patient	0.5
2	Explain the procedure	0.5
3	Proper distance of the patient from snellen's chart maintained	0.5
4	Occlude one eye and records vision of the other eye	0.5
5	Accurate Visual acuity written	1
6	Correct answer for Q.2	1
7	Correct answer for Q.3	1




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OSCE 2


DIGITAL TONOMETER DEMONSTRATION

- Q.1. Demonstrate the correct method of digital tonometry in a given patient - 3 Marks
- Q.2. What is normal intraocular pressure? - 1 Mark
- Q.3. What are the different types of tonometry? - 1 Mark

Checklist

Sr. No.	Check List	Marks
1	Introduces oneself to patient	0.5
2	Explain the procedure	0.5
3	Instruct the patient to look down	0.5
4	Occlude one eye and records vision of the other eye	0.5
5	Place the index fingers of both the hands on the same eye above the tarsal plate	0.5
6	Taps with one finger and feels fluctuation with the other	0.5
7	Correct answer for Q.2	1
8	Correct answer for Q.3	1




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OSCE 3

DEMONSTRATION OF IRIS SHADOW

Q.1. Demonstrate the Iris shadow on a given patient

- 3 Marks

Q.2. When will you get a negative iris shadow test?

- 1 Mark

Q.3. Why do you get a positive iris shadow test?

- 1 Mark

Checklist

Sr. No.	Check List	Marks
1	Introduces oneself to patient	0.5
2	Explain the procedure	0.5
3	Show torch light from temporal side and focuses on the pupil and lens	0.5
4	Occlude one eye and records vision of the other eye	0.5
5	Correct interpretation	1
6	Correct answer for Q.2	1
7	Correct answer for Q.3	1




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OSCE 4
NEAR VISION ASSESSMENT

- | | |
|---|-----------|
| Q.1. Measure the near vision in the given patient | - 2 Marks |
| Q.2. What is Presbyopia? | - 1 Mark |
| Q.3. Name any two near vision charts? | - 1 Mark |
| Q.4. What do you mean by progressive lens | - 1 Mark |

Checklist

Sr. No.	Check List	Marks
1	Introduces oneself to patient	0.5
2	Explain the procedure	0.5
3	Hold the chart at proper distance	1
4	Correct answer for Q.2	1
5	Correct answer for Q.3	1
6	Correct answer for Q.4	1




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OSCE 5

DEMONSTRATION OF PUPILLARY LIGHT REACTION

- Q.1. Demonstrate the direct and consensual pupillary light reactions in the given patient - 3 Marks
- Q.2. What is Marcus Gunn pupil? - 1 Mark
- Q.3. Which colour pupillary reflex is seen in Aphakia? - 1 Mark

Checklist

Sr. No.	Check List	Marks
1	Introduces oneself to patient	0.5
2	Explain the procedure	0.5
3	Accurate direct pupillary light reaction method	1
4	Accurate consensual pupillary light reaction method	1
5	Correct answer for Q.2	1
6	Correct answer for Q.3	1



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ACPM MEDICAL COLLEGE, DHULE
DEPARTMENT OF E.N.T.

OSCE FOR UNDEGRADUATE STUDENTS

STATION 1:

Ear examination demonstration using Bull's Eye Lamp

Time: 5 minutes

Sr. No.	Check List	Yes/No	Marks
1	Introduces oneself to patient		0.5
2	Explain the procedure to patient		0.5
3	Sterilize the aural speculum		0.5
4	Adjusting head mirror to focus the light of Bull's eye lamp on the ear		0.5
5	Pulls the pinna backwards and outwards during examination		0.5
6	Asking patient to do Valsalva		0.5
7	Repeat procedure on other side		1
8	Draw the diagram		1



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STATION 2:**Indirect Laryngoscopy Examination****Time: 5 minutes**

Sr. No.	Check List	Yes/No	Marks
1	Introduces oneself to patient		0.5
2	History Taken		0.5
3	Explain the procedure to patient		0.5
4	Used Head mirror and lamp		0.5
5	Warm the laryngeal mirror using spirit lamp		0.5
6	Check the warmth of mirror		0.5
7	Instruction to patient given and Hold the tongue with gauze piece		0.5
8	Move the laryngeal mirror & the pt to speak "ah"		0.5
9	Ask the patient to breathe		0.5
10	Draw the diagram		0.5



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STATION 3:

Demonstration of Rinnes Test using Tuning Fork

Time: 5 minutes

Sr. No.	Check List	Yes/No	Marks
1	Introduces oneself to patient		0.5
2	Explain the procedure to patient		0.5
3	Proper selection of tuning fork done and charge it by striking it on suitable surface		0.5
4	Proper placement of tuning fork done		0.5
5	Place the tuning fork on mastoid process		0.5
6	Repeat the test on other side also		1
7	Interpret the result		1



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STATION 4:

Demonstration of Weber's Test using Tuning Fork

Time: 5 minutes

Sr. No.	Check List	Yes/No	Marks
1	Introduces oneself to patient		0.5
2	Explain the procedure to patient		0.5
3	Proper selection of tuning fork done and charge it by striking it on suitable surface		1
4	Proper placement of tuning fork done		1
5	Ask the patient if the sound is lateralized to one ear		1
6	Interpret the result		1



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STATION 5:

Demonstration of Absolute Bone Conduction Test using Tuning Fork

Time: 5 minutes

Sr. No.	Check List	Yes/No	Marks
1	Introduces oneself to patient		0.5
2	Explain the procedure to patient		0.5
3	Proper selection of tuning fork done and charge it by striking it on suitable surface		0.5
4	Occlude the EAC by pressing the tragus inwards and place the tuning fork on the mastoid process		0.5
5	Ask the patient to notify when he/she stops hearing sound		0.5
6	Compare bone conduction with that of the examiner		
7	Repeat the test on other side also		1
8	Interpret the result		1



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**OBJECTIVE
STRUCTURED
PRACTICAL
EXAMINATION**

**DEPARTMENT OF PATHOLOGY
ACPM MEDICAL COLLEGE,
DHULE**

SAMPLE STATIONS

PROCEDURE STATION

1) PHEBOTOMY

Sample check list for observer

Items	Marks given if done/ not done	STUDENTS' ROLL NUMBER									
		1	2	3	4	5	6	7	8	9	10
1. Choice of equipment: - Selects needle and syringe of correct dimensions - Selects correct anticoagulant bulb and labels it properly	0.5 / -0.5										
2. Applies tourniquet correctly	0.5/ 0										
3. Wears gloves	0.5/-0.5										
4. Chooses best vein and cleans skin	0.5/ 0										
5. Withdraws sample smoothly with correct bevel insertion	0.5/-0.5										
6. Releases tourniquet in time before removing needle and applies pressure correctly	0.5/0										
7. Removes needle before pouring sample into anticoagulant bulb and mixes sample correctly	0.5/- 0.5										
8. Disposes gloves, needle and syringe into correct bins	0.5/0										
Total score	4										




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2) PROCEDURE STATION:

Urine (Physical/ Chemical Examination)

Sample Check list for observer

	Marks given if done/ not done	STUDENTS' ROLL NUMBER									
		1	2	3	4	5	6	7	8	9	10
1. Checks expiry date on uristix bottle and chooses the correct bottle	0.5/0										
2. Chooses the correct urine sample after verifying the label	0.5/0										
3. Removes one dipstick from the bottle and replaces the cap on the bottle immediately	0.5/-0.5										
4. Starts timer and immerses the pads on the dipstick in the patient sample and removes immediately	0.5/0										
5. Wipes the edge of the dipstick across the container rim to remove excess urine	0.5/0										
6. Holds the dipstick in a level position to avoid mixing reagents from adjacent pads	0.5/-0.5										
7. Reads tests on the dipstick at the specified time intervals	0.5/-0.5										
8. Records results correctly	0.5/0										
Total score	4										



[Signature]
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3) RESPONSE STATION:

Hematology Chart Interpretation

A 45 year old male presented with severe pallor. The following are his hematological findings:

Hemoglobin	: 3 gm/dl
MCV	: 120 fl
MCH	: 32 pg
Total WBC count	: 3000 cells/cumm
Differential count	
Granulocytes	: 56%
Lymphocytes	: 41%
Monocytes	: 1%
Eosinophils	: 2%
Platelets	: 1,00,000/mm ³

PS: Macro-ovalocytic normochromic RBCs. WBC show presence of hypersegmented neutrophils. Platelets are reduced on smear.

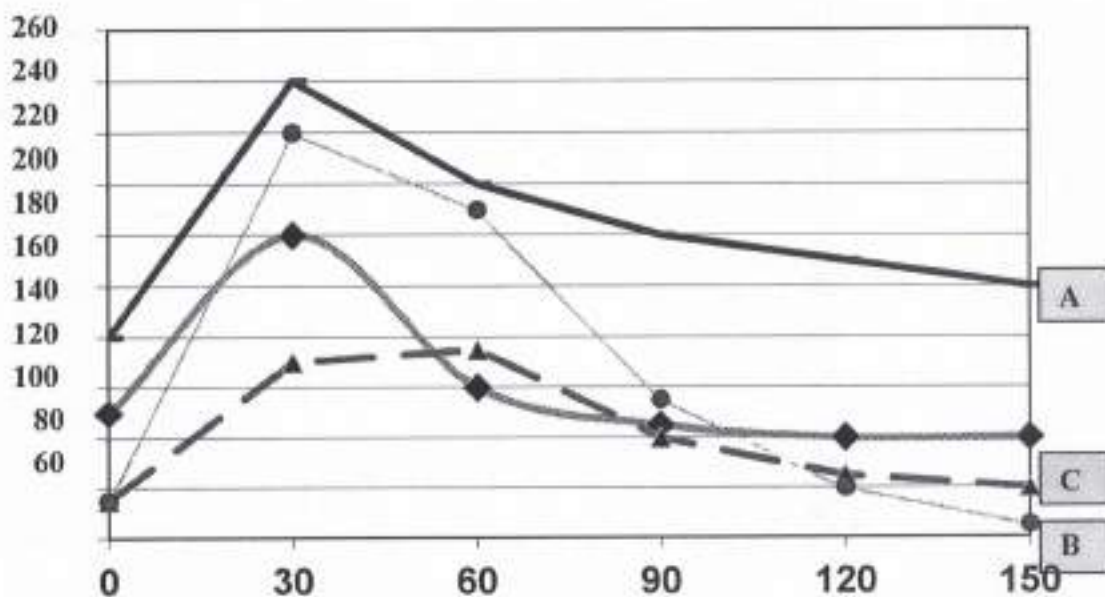
1. What is the normal value of MCV? 1 mark
2. What is the probable diagnosis in this case? 1 mark
3. What investigations would you like to order for confirmation of this diagnosis? 1 mark
4. What are the positive diagnostic findings that you will expect? 2 marks




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4. RESPONSE STATION:

Clinical Pathology Chart Interpretation



Task: The above chart demonstrates the results of an oral glucose tolerance test in a 50 year old male. The X axis shows the time in minutes, while the Y axis shows plasma glucose levels obtained in mg/dl.

Write the answers to the following questions in your answerbook

1. What are the indications of performing an oral glucose tolerance test? 2 marks
2. What does graph A show? 1 marks
3. What investigation will help in determining glucose control over past 6-12 weeks? 1 mark




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5) RESPONSE STATION:

CSF Chart examination

The following are the CSF findings in a 10 year old boy.

Physical examination:

Appearance : Turbid, cloudy sample
CSF Pressure : 110 mm water

Chemical examination:

Proteins : 80 mg/dl
Glucose : 15 mg/dl

1. What is the probable diagnosis of this case? 2 marks
2. What are expected microscopic findings in this case? 1 marks
3. What is xanthochromia? 1 mark

6) PROCEDURE STATION:

Counselling and communication skills Task:

Screen this voluntary donor who has come for blood donation

Preparation required: A volunteer is trained to answer questions. He answers all questions correctly except for one finding which should cause his rejection as a blood donor

- E.g.:
- (a) He has donated blood one month ago in a different hospital
 - (b) He is on anti-hypertensive drugs
 - (c) He has been bitten by a dog a week ago and has not received ARV
 - (d) He is a diabetic on insulin injections
 - (e) He is HBsAg positive

Keep a weighing machine and blood pressure apparatus there




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The observer can mark on a checklist as to how many required questions the student bothered to ask him, and give marks accordingly

Question: Mr Ratan has come to you in the blood bank to voluntarily donate blood. Ask him his history and tell him if he is fit to donate blood.

Sample checklist (can be modified and negative marking can be decided according to history)

Score: Negative marks/ 0: 0 Score is halved to give marks	Marks given if asked/ not asked	STUDENTS' ROLL NUMBER									
		1	2	3	4	5	6	7	8	9	10
1. Asked his age and checked weight	0.5 / 0										
2. Asked history of previous blood donation	0.5/-0.5										
3. Asked history of previous illness	+0.5/0										
4. Asked history of jaundice	+0.5/0										
5. Asked history of hypertension and diabetes	+0.5/0										
6. Asked history of therapy, drugs	+0.5/0										
7. Asked history of dog bite	+0.5/0										
8. Interpreted correctly, gave correct advice	+0.5/0										
Total score											



[Handwritten Signature]

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7) PROCEDURE STATION: Counselling and communication skills

Task: Give advice to this patient about preparation to be done for some investigations tomorrow

Preparation: Trained volunteer with a clinical pathology report in his hand, with fasting blood sugar of 120 mg/dl. Observer with checklist.

Volunteer asks student:

1. Doctor do I have diabetes?

For correct response

1 mark

2. What tests do I need to do next?

For Oral GTT

1 mark

3. What preparation do I need to come with for doing Oral GTT?

For correct advice

2 marks

(This can be further split into checklist with detailed marks for each advice)

6) RESPONSE STATION: Gross specimen

Specimen of Myocardial infarction

Task: This is a specimen from the autopsy conducted on a 55 year old diabetic woman who died on the third day of admission to the hospital.

1. Identify the condition

1 mark

2. What are the two morphological patterns of involvement of this lesion. 1 mark

3. Name 2 complications of this condition which can occur during the first week after this condition occurs

2 marks




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8) RESPONSE STATION : Slide

Slide of fatty liver is focused under microscope

Task: This is an autopsy section from a 50 year old man with history of alcoholism

1. Identify the condition 1 mark
2. Enumerate two predisposing causes of condition other than alcoholism 1 mark
3. Explain the mechanism by which alcohol causes this condition? 2 marks



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ACPM MEDICAL COLLEGE, DHULE
DEPARTMENT OF PHARMACOLOGY

Examination Structured format

(Blue Print)

THEORY EXAMINATION

First Terminal Examination – Theory

Topic	Sec A MCQ - 28	Sec B- 12 SAQ	Sec C – 3 LAQ
Gen. Pharmacology	6	3	1
ANS	6	3	1
Respiration	5	2	-
GIT	5	2	1
Autacoids	4	1	-
Vitamins	2	1	-

Second Terminal Examination – Theory

Topic	Sec A MCQ - 28	Sec B- 12 SAQ	Sec C – 3 LAQ
Endocrinology	5	2	-
Chemotherapy	6	3	1
Blood	5	1	-
CVS	6	3	1
CNS	6	3	1

PRACTICAL (VIVA VOCE) EXAMINATION

First Terminal Examination – Practical – Viva Voce

Topic	Viva (No. of question)	Topic	Viva (No. of question)
Gen. Pharmacology	4	GIT	4
ANS	5	Autacoids	4
Respiration	3	Vitamins	4

Second Terminal Examination – Practical – Viva Voce

Topic	Viva (No. of question)	Topic	Viva (No. of question)
Endocrinology	4	CVS	8
Chemotherapy	4	CNS	4
Blood	4		



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Department of Pharmacology,
A.C.P.M. Medical College, Dhule [M.S.]

PRELIMINARY EXAMINATION

Paper 1

Topic	Sec A MCQ - 16	Sec B- 6 SAQ	Sec C – 3 LAQ
Gen. Pharmacology	3	1	1
ANS	3	1	1
CVS	3	1	1
Blood	2	1	-
GIT	2	1	-
Vitamins	2	1	-
Chelating Agents	1	-	-

Paper 2

Topic	Sec A MCQ - 16	Sec B- 6 SAQ	Sec C – 3 LAQ
Endocrinology	3	1	1
Chemotherapy	3	1	1
Autacoids	2	1	-
RS	2	1	-
CNS	3	1	1
Immune Modulators	1	-	-
Vaccine sera	1	-	-
Drug Acting on Uterus	1	1	-

Practical Examination (Viva Voce)

Topic	No. of questions	Topic	No. of questions
Gen. Pharmacology	3	Endocrinology	2
ANS	2	Chemotherapy	3
CVS	2	Autacoids	1
Blood	2	RS	1
GIT	1	CNS	2
Vitamins	1	Immune Modulators	1
Chelating Agents	1	Vaccine sera	1
-	-	Drug Acting on Uterus	1



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