# RAN-2206000103040001

# T.Y. MBBS (Part I) Examination December - 2025 Forensic Medicine & Toxicology (New Course)

[Time: 3	Hours ]	[ Total Marks: 100] Seat No.
a. N B b. N C. S 2. Draw 3, Figure 4. All qu 5. There in sep	ons:  ostrictly the following details on your answer book ame of the Examination: BACHELOR OF MEDICINE AND ACHELOR OF SURGERY (THIRD PART-1) ame of the Subject: FORENSIC MEDICINE AND OXICOLOGY - LEVEL 4 ubject Code No: 2206000103040001 table or diagram wherever it is needed. es to the right indicate full marks of the question. sestions are compulsory. are two sections in this question paper. Answer both the sections parate answer sheets. answers according to the question only. ang anything which is not asked won't be counted for Marks	Student's Signature
	Section $-I$ Define thanatology. Enumerate various postmortem char	nges after death. How will
Q. 1 I	Define thanatology. Enumerate various positive to the	•
	ou estimate the time since death during autopsy? (1+3+	-6) 1x10=10 marks
Q. 2	Applied Questions. (Write any 2 out of 3)	2x6=12 marks day morning after 8:00 am. and 3:00 pm. Police sent her

2. An old man was crossing the road and suddenly he got hit by side. His head fell on the correct at	
of the car and then he fall on the	a car from his left
to following question.	. Considering this
a. What are primary and secondary impact injuries?	(2)
o. Where will these injuries be present in this case?	(2)
· c. What is lucid interval?	(2)
d. Enumerate different types of intra cranial hemorrhages.	(1) (1)
3. A 20 year old unmarried is female came for MTP with history of	£4
amenorrhea. Give following answer.	1 4 months of
a. Enumerate the various probable signs of pregnancy?	(2)
b. Who can perform MTP in this case?	(2)
c. What are other indications for MTP?	(1)
and other indications for WITP?	(3)
Q. 3 Write Short notes on (Write any 4 out of 5)	4x4=16 marks
1. Summons	
2. Abrasion	
3. Superimposition Technique	
4. Medico legal aspects of blood.	
5. Postmortem findings in case of flame burns.	
the construction on the desire of the state	1.5
Q. 4 Give answer in two or three sentences. (Write any 6 out of 7)	6x2=12 marks
1. What is Atavism?	
2. Enumerate various evisceration techniques for autopsy	
3. What is indecent assault?	
4. Draw a labelled diagram of rifled firearm cartridge.	
5. What is frigidity?	
6. Rule of Haase	
7. What is Amussat's sign?	

## Section - II

Q. 1 Classify poisons according to their mode of actions. Write in detail about	out clinical
features, fatal dose, fatal period, management and postmortem findings of Su	
	1x10=10 marks
Q. 2 Applied questions. (Write any 2 out of 3)	2x6=12 marks
1. A 64 year old female consulted a surgeon for abdominal pain and feve	r on fifth day of
cholecystectomy. Surgeon reassures her not to worry and advises her t	
after 3 days. Next day she died, and her body was sent to autopsy for a	
negligence against doctor. Autopsy surgeon found cotton swabs from	abdominal
cavity and features of peritonitis. Answer the following questions:	
a) What doctrine applies here?	(1)
b) Write about the difference between civil and criminal neglig	gence. (3)
c) Enumerate the punishments given to the doctor in this case.	(2)
2. A 70 year old man wants to make a will. A doctor is called upon to c	heck compos
mentis. During examination he says president of USA is his friend a	
with him on phone.	
a) What is testamentary capacity?	(2)
b) What is status of will in this case?	(1)
c) Enumerate civil responsibility in this type of case.	(3)
and the language in according with complaint of blurring	ne of vision.
3. A 28 year old male brought in casualty with complaint of blurring	
severe cramp like abdominal pain with history of consuming country	made nquoi
from local shop.	
a) What is your probable diagnosis?	(1)
b) Enumerate signs and symptoms he may develop?	(2)
c) How will you manage this case?	(3)

## Q. 3 Short notes (Write any 4 out of 5)

4x4-16 marks

- 1. Consent
- 2. Hallucination
- 3. Write differences between venomous and non-venomous anakes.
- 4. Explain about various methods for removal of unabsorbed poisons
- 5. Aluminum Phosphide poisoning.

# Q. 4 Answer in two or three sentences (Write any 6 out of 7)

6x2-12 marks

- 1. What is Vicarious liability?
- 2. What is Oniomania?
- 3. Enumerate various cannabis preparations
- 4. What is basophilic stippling?
- 5. What is the composition of sewer gas?
- 6. Ecstasy
- 7. What is hippus?



### RAN-2406000103020601

#### Third M.B.B.S. (Part - I) Examination November - 2025

#### Community Medicine Paper- I- Set -2

સચન	ι:/	Instructions	Seat No.:
(1)		ોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.	
(1)		up strictly the above details on your answer book	
	1 11	up strictly the above details on your answer book	
			Student's Signature
Q. 1		MCQs	
V. 1	1.	A cohort study differs from a case-control study in that:	
		a) Subjects are enrolled or categorized on the basis of their	exposure status in a
		cohort study but not in a case-control study	
		b) Subjects are asked about their exposure status in a cohor case-control study	t study but not in a
		c) Cohort studies require many years to conduct, but case-o	control studies do not
		d) Cohort studies are conducted to investigate chronic disease.	
		studies are used for infectious diseases	,
	2.	Father of Indian Surgery is:	
		a) Dhanvantari b) Charaka	
		c) Susruta d) Atreya	
	3.	Human living standards can be compared in different countri-	es by:
		a) HDI b) PQLI	
		c) HPI d) DALY	1 11 11 11
	4.	Screening is the most commonly used epidemiological tool in	i school health services.
		Which level of prevention does it refer to?  a) Primary b) Secondary	
		<ul><li>a) Primary</li><li>b) Secondary</li><li>c) Tertiary</li><li>d) Primary and second</li></ul>	lary
	5.	Key population tested with X-pert MTB/RIF	iaiy
	3.	a) Children with presumptive TB	
		b) Presumptive MDR TB	
		c) Presumptive extra pulmonary TB	
		d) ALL	
	6.	Global warming true is:	
		a) CO <sub>2</sub> is a major greenhouse gas	
		b) Stratosphere ozone layer is harmful	
		c) CFC increases stratosphere ozone layer	
		d) Kyoto protocol called for 20% reduction in greenhouse e	missions
	7.	Under NPCB in India, cutoff for blindness is defined as having	ng a vision of:
		a) $< 3/60$ in worse eye	
		b) $< 6/60$ in better eye	
		c) $< 3/60$ in better eye	
		d) $< 6/60$ in worse eye	

ο.	incineration is:			
	a) High temperature reduction			
	b) Low temperature reduction			
	<ul><li>d) High temperature oxidation</li><li>d) Low temperature oxidation</li></ul>		•	
9.	Which of the following trace eler	nent ca	nnot be Completely supplemented b	
	during pregnancy:	iiciit ca	infor be completely supplemented t	by diet
	a) Fe	b)	Ca++	
	c) Zn	d)	Mn	
10.	The optimum calories to be prov		nroteins should be:	
	a) 5-10%		10-15%	
	c) 15-20%	d)	20-30%	
11.	Softening is recommended when		ess of water is more than:	
	a) 50 mg/litre		75 mg/litre	
	c) 100 mg/litre		150 mg/litre	
12.	The most common side effect of	IUD in	sertion, which requires its removal	ia.
	a) Dieeding	b)	Pain	15.
	c) Pelvic infection	,	Ectopic pregnancy	
13.	According to Registration of Bird	ths and	Deaths Act 1969, the birth and deat	h are to
	be registered, respectively in:		beams rec 1909, the onth and deat	n are to
	a) 14 days and 7 days	b)	7 days and 14 days	
	c) 14 days and 21 days	d)	21 days and 21 day	
14.	Definition of health given by WH	O does	not include which of the following	
	dimensions:		or the following	
	a) Social	b)	Physical	
1.5	c) Mental	d)	Emotional	
15.	Most important factor in Sewage	treatme	ent:	
	a) Bacterial count	b)		
1.0	c) Nitrite and phosphorus	d)	Water content	
16.	In India, a tubercular mother is ac	lvised f	for all except:	
	a) Give baby BCG	b)	ATT to mother	
17	c) Withhold Breast feeding	d)	None of these	
17.	Which of the following diseases i	s not ui	nder surveillance in Integrated Disease	ase
	Surveinance Project (1-PORTVI)!			
	<ul><li>a) Snake bite</li><li>c) Tuberculosis</li></ul>	b)	Acute Respiratory Tract Infections	•
	e) All of the above	d)	Leptospirosis	4
18.	The minimum recommended des	646		•
10.	chlorination (in mg/l) is:	e or are	ee" residual chlorine in water for ro	utine
	a) 0.5 mg/l for a contact period			
	b) 0.5 mg/l for a contact period	of 1/2 1		
	c) 1.0 mg/l for a contact period	of 1hr	nr e	
	d) 1.0 mg/l for a contact period	of 1/2 1		
19.	Inertization deals with			
	a) Mixing biomedical waste with	h como	ent and other substance before dispo	
	b) Incineration of biomedical w	aste wi	ent and other substance before dispo th cement and other substance befor	sal
	disposal		other substance before	e
	c) Dumping of Biomedical was	to in		
	d) Screw feed technology to dis	infect o	hary landfills	
20.	How many doses of monovalent r	nenina.	harps ococcal 'C' vaccine is given in Infar 2	
	a) 1	b)	vaccine is given in Infar	ıts?
	c) 3	d)	_	
		u)	4	9
2406	000103020601	r -	<u> </u>	20
		[ 2	]	[Contd.]
				Lome

Q. 2	1. 2.	hypothetical example	10
Q. 3		Write/ comment short answers (any 2 out of 3) Types of Screening Switching to Injectable Polio vaccine Carriers in Enteric fever	10
Q. 4	1. 2. 3. 4. 5. 6. 7. 8. 9.	Write answers/reasons in One or two lines  Point source epidemic give two examples  Explain RR=1, RR < 1 and RR > 1  Human Development Index (HDI)  List two objectives of IMNCI?  Define Health  India is in which phase of demographic cycles, explain!  List two eligibility criteria to OCPs  Red category in Triage in Earthquake  Couple protection rate and NRR  BCG is given only up to 1 year as per National Immunization Programme!	20
Q. 5	1. 2.	Long answers questions (1 out of 2) Two most important indicators of Air pollution, Discuss Air pollution Control measures Classify epidemics and explain in brief "continuous exposure epidemic" with relevant diagram	10
Q. 6	1. 2. 3.	Write/ comment short answers (any 2 out of 3) Ethics and medical error Active Vs Passive surveillance Categories of Biomedical waste management	10
Q.7	1. 2. 3. 4. 5. 6.	Write short notes on the following (5 out of 6 each carries 4 marks) List four different vectors of medical importance and two disease caused by each Open Vial Policy in National Imminization Programme Side effects of Copper -T Long term effects of Radiation exposure Explain the importance of primary prevention in Measles What is overcrowding and two disease associated with it?	20



## RAN-2406000103020602

3<sup>rd</sup> MBBS- Part-I, Examination November - 2025 Community Medicine Paper-II-Nov 2025- Set-1

<b>સૂચ-</b> (1)	ઉપર	I <b>nstructions</b> ોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવ up strictly the above details on your		ver book	Seat No.:  Student's Signature
			SET-	1	
Q.l.		MCQ			20
Ų.I.	1.	Iodine requirements during Lactation	n is:		
	1.	a) 100 mcg per day	b)	150 mcg per day	
		c) 220 mcg per day	d)	290 mcg per day	
	2.	In which stage of the demographic	cycle	is India currently?	
	2.	a) High stationary	b)	Late expanding	
		a) Farly stationary	d)	Low stationary	
	3.	Economic benefits of any programn	ne are	e compared with the	e costs incurred in:
	٥.	a) Cost benefit analysis	b)	Cost effective and	arysis
		Cost accounting	d)	Network analysis	
	4.	Which of the following are true reg	arding	g principles suggest	ted for Mid-day meal
		programme except?			
		a) Meal should be a supplement	only 1	not a substitute for	home diet
		b) Meal should provide 1/2 calor	ries ar	nd 1/3 proteins	
		c) Meal cost should be low		. 1 . 1 . 1	
		d) Complicated cooking process	must	not be involved	
	5.	MMR should be expressed in terms	of:	D 1000 1 inthe	
		a) Per 100000 births	b)	Per 1000 births	ainthe
•		c) Per 1000 pregnancy	d)	Per 100000 live b	ontiis
	6.	Pearl index is used to evaluate:	1. \	Contraceptive ac	centance
		a) Family planning	p)	Contraceptive fai	
		c) Population control	d)	ods based an behav	vioural sciences except:
	7.	All of the following are included in	meun	System analysis	ional sciences energy
		a) Personal management	b) d)	Communication	
		c) Management by objectives			
	8.	Oral contraceptive cause all side eff	6018 C	Pituitary adenom	а
		a) Monilial vaginitis	b) d)	None	
		c) Ca uterus	by no		debate is:
	9.	A temporary, provisional view held	b)	Practice	100
		a) Opinion	d)	Belief	
		c) Attitude Energy requirement in late pregnan	cv for		r is
	10.		b)	1400 cal	
		a) 2500 cal	d)	500 cal	
		c) 1000 cal	٠,	200 341	

11.	Population covered by Anganwa a) 1000	ıdi in triba b)	al area is 300-800		
	c) 400	d)	100		
12.	A physician, after examining a group of patients of a certain disease, classifies the condition of each one as 'Normal', 'Mild', 'Moderate' or 'Severe'. Which one of the following is the scale of measurement that is being adopted for classification of the disease condition?				
	a) Normal	b)	Interval		
	c) Ratio	d)	Ordinal		
13.	The events A and B are mutually	/			
	a) Prob (Aor B)= Prob (A)+		-,		
	b) Prob (A and B)= Prob (A)		3)		
	c) Prob (A) = Prob (B)	(-	- /		
	d) $\operatorname{Prob}(A) + \operatorname{Prob}(B) = 1$				
14.	Smoking is preventive for:				
	a) Lung cancer	b)	Chronic bronchitis		
	c) Ulcerative colitis	d)	CHD		
15.	Amino acid lesser in rice is:				
	a) Lysine	b)	Methionine		
	c) Both	d)	None		
16.	An adult pregnant female is tern	ned anem	ic if her hemoglobin venous bloo(d) is:		
	a) Less than 11 g/dl	b)	Less than 12 g/dl		
	c) Less than 13 g/dl	d)	Less than 14 g/dl		
17.	Certificate for vaccination durin	g internat	ional travel is required in case of:		
	a) Japanese Encephalitis	b)	Yellow fever		
	c) Cholera	d)	Yellow severe and Cholera		
18.	Keshan cardiomegaly occur due	to deficie	ency of		
	a) Selenium		opper		
	c) Zinc	d) Iro	on		
19.	Method used for comparison of	a new test	t with an available gold-standard test is		
	a) Regression analysis/Likelihood test				
	b) Correlation analysis/Bland and Altmann test				
	c) Baltin and Altimore metho	a hmiana			
	d) Kimorov and Samletor tec	nnique			
20.	Nearly 3/4th of occupational car	b)	Lung Cancer		
	a) Skin Cancer	d)	Leukemias		
	c) Cancer Bladder	u)	Leukennas		
1.	Write Long answer question(I Define maternal death. Write for causes of maternal death. Write	mula to c	alculate maternal mortality ratio. Describe easures and government strategies to	10	
	reduce maternal mortality in Gujarat. (1+1+4+4)				
2.	Enumerate four arboviral disease	es. Write 6	epidemiology of Dengue fever in detail.		
۷.	Describe the public health measu	ires for pi	revention and control of Dengue fever		
	(1+4+5)				

Q.2.

ν	1. 2.	Describe diagnostic algorithm for pulmonary tuberculosis according to National Tuberculosis Elimination Programme Risk factors for Type 2 Diabetes	10
	3.	Ergonomics	
Q.4	١.	Write answers/reasons in One or two lines	20
	1.	Supplementary action of protein	20
	2.	Four side effects of Oral Contraceptive pills	
	3.	List two variety of Asbestos	
	4.	Roshansingh Sodhi stays with his wife Roshan and his only son Golgi puttar in Gokuldham society of Goregaon. What is the type of this family?	
	5.	Write treatment of Paucibacillary Leprosy.	
	6.	Two measure to prevent Bagassosis	
	7.	List Four food sources of Calcium	
	8.	What is modifiable risk factors, list two	
	9.	Explain Pulses are poor men's meat	
	10.	Cause and signs of Pellagra	
Q.5	<b>5.</b>	Long answers questions (I out of 2)	10
	1.	List all Non communicable diseases in India and describe preventive measures for	10
		Cancers (2+8)	
	2.	Define primary health care. Describe the principles of primary health care with	
		examples (2+8)	
Q.6		Write/ comment short answers (any 2 out of 3)	10
	1.	High risk conditions in antenatal women	10
	2.	Primordial prevention of Mental disorders	
	3.	What is fiduciary duty?	
Q.7.		Write short notes on the following (5 out of 6 each carries 4 marks)	20
	1.	Down's syndrome	20
	2.	Epidemic Dropsy	
		Food fortification	
		ICDS	
		Dietary recommendations for pregnant woman	
	6.	Engineering measures for prevention of occupational diseases	