

## 2.5.4

Re-test and Answer sheets

**A.C.P.M. MEDICAL COLLEGE, DHULE**  
**DEPARTMENT OF ANATOMY**  
**FIRST MBBS REPEATER'S BATCH**  
**INTERNAL ASSESSMENT RESULT SUPPLEMENTRY-2018**

Sr. NO.	STUDENTS NAME	THEORY(20)			PRACTICAL(20)			
		PREVIOUS	LATEST	Final	PREVIOUS	LATEST	Final	
2	Fani Bhushan	14	Ab	14	10	Ab	10	
3	R.Indhujaa Pranavi (015)	09	15	15	10	15	15	
4	Jatin Kumar	05	Ab	05	09	Ab	09	
5	Mirajkar Vedant	13	Ab	13	10	Ab	10	
6	Nitin Yadav	10	Ab	10	09	Ab	09	
7	Patil Aishwarya	17	Ab	17	14	Ab	14	
8	Rajkumar Khushwaha	09	Ab	09	12	Ab	12	
9	Shubham swami	09	Ab	09	09	Ab	09	
10	Surti Mohd.Atif	10	Ab	10	10	Ab	10	
11	Vidja Kapil	13	Ab	13	12	Ab	12	
12	Vikas Choudhari	08	Ab	08	11	Ab	11	
13	Shubhav Yadav (015)	08	12	12	09	11	11	

Professor & Head,  
 Department of Anatomy,  
 A.C.P.M. Medical College, Dhule [M.S.]

Repeater

33

R. Indhuja Pranavi

A. C. P. M. MEDICAL COLLEGE, DHULE.

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QUESTION BOOKLET VERSION				
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ANSWER	SHEET	NO.
(WRITE THIS NO. ON YOUR QUESTION BOOKLET)		
NAME OF EXAMINATION : <u>Pre-university</u>		
SUBJECT : <u>Anatomy-II</u> Paper : <u>eighteen (2015 batch)</u>		
SEAT NO. (In words) _____		

QUESTION BOOKLET VERSION (In Words)

This is to certify that the entries of Seat No., Question Booklet Version No. and subject have been verified.

*[Signature]*

CANDIDATE'S SIGNATURE

INVIGILATOR'S SIGNATURE

Date : 20/4/2018

USE BLUE BALL POINT PEN ONLY...

INSTRUCTIONS

1. CROSS 'X' THE BLOCK ONCE ONLY USING BLUE BALL POINT PEN.
2. CROSS ONLY ONE BLOCK FOR EACH QUESTION AS SHOWN BELOW.

WRONG	WRONG	WRONG	CORRECT
a <input type="checkbox"/>	a <input checked="" type="checkbox"/>	a <input checked="" type="checkbox"/>	a <input type="checkbox"/>
b <input type="checkbox"/>	b <input type="checkbox"/>	b <input type="checkbox"/>	b <input type="checkbox"/>
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3. NO MARKS WILL BE GIVEN TO WRONG ENTRIES

4. NO MARK WILL BE GIVEN IF THE ENTRY IS ERASED BY STRIKING OR USING WHITE INK.

5. CROSS ONLY BLOCK PROVIDED. DO NOT MAKE ANY STRAY MARKS ON THE ANSWER SHEET.

6. ROUGH WORK MUST NOT BE DONE ON THIS ANSWER SHEET. USE FREE SPACE IN THE QUESTION BOOKLET PROVIDED.

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33  
22

*[Signature]*  
Seen & Satisfied  
Sign. of Student

Repeater  
 Jawahar Medical Foundation's  
**A. C. P. M. MEDICAL COLLEGE, DHULE**

R. Indhyaa Pranam

Supervisor's Signature

I<sup>ST</sup> MBBS Examination Pre University Date 20/4/2018

Class I<sup>ST</sup> MBBS Seat No. 18 Subject Anatomy I Section B, C  
 (Batch : 015) Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													35

Start writing from here

Signature  
of the Examiner

Seen & Certified  
Signature of Student

*Aditi*

GP

### Section-B

Q) 2:

1) Anterior relations of right kidney:

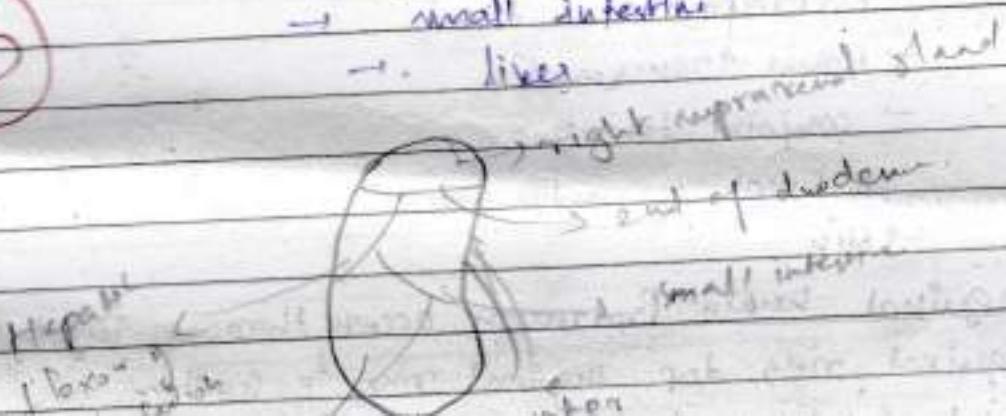
In common it has 2 poles

In middle, above hilum → right suprarenal gland  
 below hilum → ureter

specific relation of right kidney:

- 2<sup>nd</sup> part of duodenum
- Right suprarenal gland
- Hepatic flexor of colon
- Small intestine
- Liver

(3)



Repeater

BS

R.Indhuja Prana

A. C. P. M. MEDICAL COLLEGE, DHULE.

SEAT NO.				
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QUESTION BOOKLET VERSION				
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ANSWER SHEET NO.

(WRITE THIS NO. ON YOUR QUESTION BOOKLET)

NAME OF EXAMINATION: Pre-university

SUBJECT: Anatomy I Paper:

D18 (015 batch)

SEAT NO. (in words)

QUESTION BOOKLET VERSION (in Words)

This is to certify that the entries of Seat No., Question Booklet Version No. and subject have been verified.

*Maji*

CANDIDATE'S SIGNATURE

INVIGILATOR'S SIGNATURE

Date: 21/04/018

USE BLUE BALL POINT PEN ONLY...

INSTRUCTIONS

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*✓* *GP*

Seen & Satisfied  
Sign. of Student

Pre-university ..... Examination Date ..... 14/04/2018

Class T-<sup>1</sup> MBBS Seat No. 18 Subject Anatomy Section B.C.  
(Batch - 015)

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													32

Start writing from here

Signature  
of the Examiner

Section-B

Seen & Satisfied  
Sign \_\_\_\_\_(32)  
40 G

(7.2) SAQ.

2) Lymphatic drainage of the mammary gland:

Knowledge about the lymphatics and lymph nodes is very important for the surgeon, because it is the where the carcinoma of breast spreads.

It can be studied under two heads:

- Lymph nodes
- Lymphatics

Lymph nodes:

The lymph nodes which present in the breast are:

- Cervical lymph node
- Apical lymph node
- Axillary lymph node
  - Anterior axillary node
  - Posterior axillary node
  - Lateral axillary node
  - Medial axillary node

- Internal mammary node
- Subdiaphragmatic lymph plexus
- Spleen

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ANSWER SHEET NO. \_\_\_\_\_

(WRITE THIS NO. ON YOUR QUESTION BOOKLET)

NAME OF EXAMINATION:

SUBJECT :

Biochemistry

Paper:

I

SEAT NO. (In words)

four

QUESTION BOOKLET VERSION (In Words)

This is to certify that the entries of Seat NO., Question Booklet Version NO. and subject have been verified.

*Rajay*

CANDIDATE'S SIGNATURE

*Batch 1  
17/9/2019*

INVIGILATOR'S SIGNATURE

Date : 07/9/19

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## INSTRUCTIONS

- CROSS 'X' THE BLOCK  ONCE ONLY USING BLUE BALL POINT PEN.
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16/9/2019

First M.B.B.S.(Preliminary) Examination

2019

BIOCHEMISTRY-I

08/04/2017

Total Duration : A+B+C = 2 1/2 Hours

Marks : 10

SECTION - A (MCQs)

*Instructions : Instructions:* 1) Each question carries 1/2 mark  
2) MCQ Question paper and answer sheet will be collected after 20 minutes.

1. The suicidal bags of the cell are
  - A) endoplasmic reticulum
  - B) Ribosomes
  - C) Gogi bodies
  - D) Lysosomes
2. Cholinesterase can be grouped as a
  - A) Transferases
  - B) Hydrolases
  - C) Oxidoreductase
  - D) Lyase
3. Which of the following enzyme is typically elevated in alcoholism
  - A) Serum alkaline phosphates
  - B) Serum GOT
  - C) Serum  $\gamma$  GT
  - D) Serum LDH
4. In non competitive inhibition
  - A)  $K_m$  is constant,  $V_{max}$  decrease
  - B)  $K_m$  is constant,  $V_{max}$  increase
  - C)  $K_m$  is increase,  $V_{max}$  constant
  - D)  $K_m$  is decrease,  $V_{max}$  decrease
5. All of the following are scleroproteins EXCEPT
  - A) Collagen
  - B) Keratins
  - C) Elastins
  - D) Prolamines
6.  $\alpha$ -helix is disrupted by certain amino acid like
  - A) Proline
  - B) Arginine
  - C) Histidine
  - D) Lysine
7. A positive nitrogen balance occurs
  - A) In growing infants
  - B) Following surgery
  - C) In advanced cancer
  - D) In kwashiorkor
8. The amino acid that does not participate in transamination is
  - A) Alanine
  - B) Glutamic acid
  - C) Lysine
  - D) Tryptophan

9. The type of RNA that characteristically contain methylated purines and pyrimidines is  
A) mRNA    B) hnRNA    C) rRNA    D) tRNA
10. Both the carbon & the nitrogen atoms of which of the following are directly incorporated into purines during their biosynthesis  
A) Glutamine    B) Aspartate    C) Glycine    D) Asparagine
11. Which of the following enzyme fill the gap between Okazaki fragments?  
A) DNA polymerase    B) RNA polymerase    C) Translocase    D) Helicase
12. The initiation site for transcription is recognized by  
A)  $\alpha$ -Subunit of DNA-dependent RNA polymerase  
B)  $\beta$ -Subunit of DNA-dependent RNA polymerase  
C) Sigma factor  
D) Rho factor
13. The P:O ratio for the oxidation of succinate through electron transport chain is  
A) One    B) Two    C) Three    D) Four
14. Cytochrome oxidase contains  
A) Cu<sup>2+</sup> and Zn<sup>2+</sup>    B) Cu<sup>2+</sup> and Fe<sup>2+</sup>    C) Cu<sup>2+</sup> and Mg<sup>2+</sup>    D) Cu<sup>2+</sup>
- 15 Number of oxygen molecules taken by Hb  
A) 1    B) 2    C) 4    D) 6
16. Calcitriol synthesis involves  
A) Both liver and kidney    B) Intestine    C) Adipose tissue    D) Muscle
17. Vitamin E reduces the requirement of  
A) Iron    B) Zinc    C) Selenium    D) Magnesium
18. The probable cause of porphyria cutanea tarda is deficiency of  
A) Uroporphyrinogen oxidase    B) Coproporphyrinogen oxidase  
C) Protoporphyrinogen oxidase    D) Uroporphyrinogen I synthase
19. The two nitrogen atoms of urea are contributed by  
A) Ammonia & glutamate    B) Glutamine & glutamate  
C) Ammonia & aspartate    D) Ammonia & alanine
- 20 The vitamin used for post – translational modification of glutamic acid to  $\gamma$  Carboxy – glutamate is  
A) Vitamin D    B) Vitamin E    C) Vitamin A    D) Vitamin K

Pre-university..... Examination

Date 17/09/2019

Class 1<sup>st</sup> mBBS Seat No. 04

Subject Biochemistry Section.....

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													18 No 80

Signature  
of the Examiner

Start writing from here

Section-BAnswer-2 = Genetic code

Genetic code is code in which genetic information is carried by mRNA in the form of codon. Codon determine the sequence of amino acid & control biosynthesis.

Characteristics of genetic code :-

1) Inhibitor codon

2) terminator codon

3) Degenerate

4) specificity

5) universality

3

24  
10  
26

Batch - 013

Jawahar Medical Foundation's

A.C.P.M. MEDICAL COLLEGE, DHULE

AKSHAY SAGAR

Supervisor's Signature

13/09/19

..... Examination

Date 13/09/2019.....

Class 1<sup>st</sup> MBBS Seat No. 004 Subject Biochemistry Section ✓

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks													
obtained													

Start writing from here

Signature  
of the Examiner

Answer - 1 :- Serum creatine level.

Que 1. Estimate Serum Creatinine level.

Que 2. Perform the tests for Maltose

Que 3. Identify the Spots.

resent in  
filtrate.

Is major red

carmin.

Observation :- OD of test = 0.17

OD of Blank = 0.19

OD of Standard = 0.02

Calculation :-

$$\frac{T-B}{S-B} \times \frac{\text{conc}' \text{ of Std/ml.}}{\text{Std/ml.}} \times \frac{\text{Vol of Std}}{\text{Vol of Serum}} \times \frac{100}{\text{Volume of Serum}}$$

$$= \frac{T-B}{S-B} \times 3 \text{ mg %}$$

## MUHS,

SEAT NO.				
4	0			
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QUESTION BOOKLET VERSION				
A	<input type="checkbox"/>	0	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	9	<input type="checkbox"/>	<input type="checkbox"/>

ANSWER SHEET NO. \_\_\_\_\_

(WRITE THIS NO. ON YOUR QUESTION BOOKLET)

NAME OF EXAMINATION :

SUBJECT : Biochemistry Paper: 8

SEAT NO. (In words)

QUESTION BOOKLET VERSION (In Words)

This is to certify that the entries of Seat NO., Question Booklet Version NO. and subject have been verified.

Kurai.

CANDIDATE'S SIGNATURE

INVIGILATOR'S SIGNATURE

Date : 9 April 18.

USE BLUE BALL POINT PEN ONLY...

Q. NO. 1	2	3	4	5	6	7	8	9	10
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- INSTRUCTIONS
- CROSS 'X' THE BLOCK  ONCE ONLY USING BLUE BALL POINT PEN.
  - CROSS ONLY ONE BLOCK FOR EACH QUESTION AS SHOWN BELOW.
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- NO MARKS WILL BE GIVEN TO WRONG ENTRIES.
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  - CROSS ONLY BLOCK PROVIDED. DO NOT MAKE ANY STRAY MARKS ON THE ANSWER SHEET.
  - ROUGH WORK MUST NOT BE DONE ON THIS ANSWER SHEET. USE FREE SPACE IN THE QUESTION BOOKLET PROVIDED.

6  
106 X 5 = 30  
11 / 50

**First M.B.B.S.(Preliminary) Examination**

**BIOCHEMISTRY-I**

**09/04/2018**

Total Duration : A+B+C = 2 ½ Hours

Marks : 10

**SECTION – A (MCQs)**

*Instructions : Instructions: 1) Each question carries 1/2 mark  
2) MCQ Question paper and answer sheet will be collected after 20 minutes.*

1. The suicidal bags of the cell are
  - A) endoplasmic reticulum
  - B) Ribosomes
  - C) Gogi bodies
  - D) Lysosomes
2. Cholinesterase can be grouped as a
  - A) Transferases
  - B) Hydrolases
  - C) Oxidoreductase
  - D) Lyase
3. Which of the following enzyme is typically elevated in alcoholism
  - A) Serum alkaline phosphates
  - B) Serum GOT
  - C) Serum  $\gamma$  GT
  - D) Serum LDH
4. In non competitive inhibition
  - A) Km is constant, V max decrease
  - B) Km is constant, V max increase
  - C) Km is increase, V max constant
  - D) Km is decrease, V max decrease
5. All of the following are scleroproteins EXCEPT
  - A) Collagen
  - B) Keratins
  - C) Elastins
  - D) Prolamines
6.  $\alpha$ -helix is disrupted by certain amino acid like
  - A) Proline
  - B) Arginine
  - C) Histidine
  - D) Lysine
7. A positive nitrogen balance occurs
  - A) In growing infants
  - B) Following surgery
  - C) In advanced cancer
  - D) In kwashiorkor
8. The amino acid that does not participate in transamination is
  - A) Alanine
  - B) Glutamic acid
  - C) Lysine
  - D) Tryptophan

iii) Biochemical Reactions: ① pyruvate  $\xrightarrow[\text{FAD, TPP, COA, NAD}]{\text{PDH}}$  Acetyl CoA.

9. The type of RNA that characteristically contain methylated purines and pyrimidines is  
A) mRNA    B) hnRNA    C) rRNA    D) tRNA
10. Both the carbon & the nitrogen atoms of which of the following are directly incorporated into purines during their biosynthesis  
A) Glutamine    B) Aspartate    C) Glycine    D) Asparagine
11. Which of the following enzyme fill the gap between Okazaki fragments?  
A) DNA polymerase    B) RNA polymerase    C) Translocase    D) Helicase
12. The initiation site for transcription is recognized by  
A)  $\alpha$ -Subunit of DNA-dependent RNA polymerase  
B)  $\beta$ -Subunit of DNA-dependent RNA polymerase  
C) Sigma factor  
D) Rho factor
13. The P:O ratio for the oxidation of succinate through electron transport chain is  
A) One    B) Two    C) Three    D) Four
14. Cytochrome oxidase contains  
A) Cu<sup>2+</sup> and Zn<sup>2+</sup>    B) Cu<sup>2+</sup> and Fe<sup>2+</sup>    C) Cu<sup>2+</sup> and Mg<sup>2+</sup>    D) Cu<sup>2+</sup>
- 15 Number of oxygen molecules taken by Hb  
A) 1    B) 2    C) 4    D) 6
16. Calcitriol synthesis involves  
A) Both liver and kidney    B) Intestine    C) Adipose tissue    D) Muscle
17. Vitamin E reduces the requirement of  
A) Iron    B) Zinc    C) Selenium    D) Magnesium
18. The probable cause of porphyria cutanea tarda is deficiency of  
A) Uroporphyrinogen oxidase    B) Coproporphyrinogen oxidase  
C) Protoporphyrinogen oxidase    D) Uroporphyrinogen I synthase
19. The two nitrogen atoms of urea are contributed by  
A) Ammonia & glutamate    B) Glutamine & glutamate  
C) Ammonia & aspartate    D) Ammonia & alanine
- 20 The vitamin used for post – translational modification of glutamic acid to  $\gamma$  Carboxy – glutamate is  
A) Vitamin D    B) Vitamin E    C) Vitamin A    D) Vitamin K

**A.C.P.M. MEDICAL COLLEGE, DHULE**

De - University Examination

Date: 9 April 18

Class: 8 STM BBS. Seat No.: 40 Subject: Biochem. Section: F

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													

Start Writing from here

Signature  
of the Examiner

33

50

SECTION:Ca) Thiamine

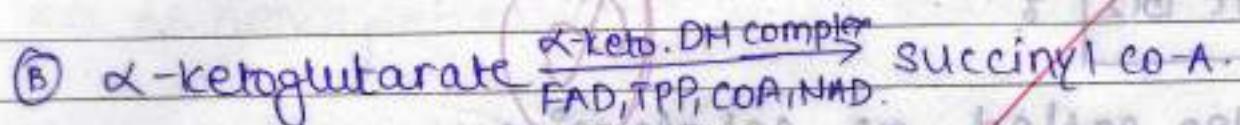
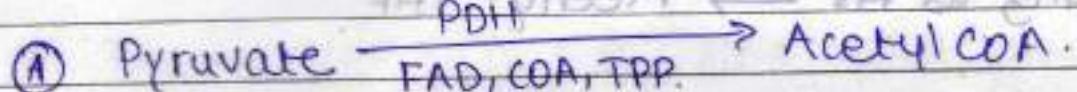
i) coenzymic form: Thiamine Pyrophosphate

ii) deficiency Manifestation: Beri-Beri

• Wet Beri-Beri

• Dry Beri-Beri.

## iii) Biochemical Reactions:

b) Niacini) coenzyme form: Nicotinamide adenine dinucleotide (NAD<sup>+</sup>)

ii) deficiency: Pellagra

iii) Biochemical Reactions: Pyruvate  $\xrightarrow[\text{FAD, TPP, COA, NAD}]{\text{PDH}}$  Acetyl CoA.

Vikash

Vikash Choudhary  
MUHS,

Seen & Satisfied  
Sign. of Student

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ANSWER SHEET NO. \_\_\_\_\_

(WRITE THIS NO. ON YOUR QUESTION BOOKLET)

NAME OF EXAMINATION:

SUBJECT:  
Biochemistry

PAPER:  
I

SEAT NO. (In words)

CANDIDATE'S SIGNATURE \_\_\_\_\_ INVIGILATOR'S SIGNATURE \_\_\_\_\_  
 Date 31/12/2017

USE BLUE BALL  
POINT PEN ONLY....

INSTRUCTIONS

1. CROSS 'X' THE BLOCK  ONCE ONLY USING BLUE BALL POINT PEN.
  2. CROSS ONLY ONE BLOCK FOR EACH QUESTION AS SHOWN BELOW.
  3. NO MARKS WILL BE GIVEN TO WRONG ENTRIES.
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| WRONG                      | WRONG                                 | WRONG                      | CORRECT                               |
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mark 65 38.5 50

**First M.B.B.S.(Preliminary) Examination**

**BIOCHEMISTRY-I**

**09/04/2018**

Total Duration : A+B+C = 2 ½ Hours

Marks : 10

**SECTION - A (MCQs)**

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Ae UNIVERSITY

Examination

Date 3/4/08

Class 114

Seat No. 29

Subject Biochemistry Section I

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													

Start writing from here

Signature of the Examiner

32/40

Ques. 2 Coenzyme form two biochemical reactions and deficiency

(A) Thiamine deficiency -

(B)

sepi-sepi  
wet beri (cardiac)  
dry beri (neuritic)  
winkles (corditis)

Coenzyme  $\rightarrow$  Thiamine Pyrophosphate (TPP)

biochemical reactions.

(i) Phivate  $\xrightarrow{\text{PDM}}$  acetyl CoA

Lipote Kod, TPP CoA NAD

(ii)  $\alpha$ -ketoglutarate  $\xrightarrow{\text{DH complex}}$  succinate CoA

*Azhar*

MUHS,

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QUESTION BOOKLET VERSION				
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Seen & Satisfied  
Sign. of Student

ANSWER SHEET NO. \_\_\_\_\_

(WRITE THIS NO. ON YOUR QUESTION BOOKLET)

NAME OF EXAMINATION: \_\_\_\_\_

SUBJECT:  
**Biochemistry**

Paper:  
**154**

SEAT NO. (In words)  
**Fourty four**

QUESTION BOOKLET VERSION (In Words)  
\_\_\_\_\_

This is to certify that the entries of Seat NO., Question Booklet Version NO. and subject have been verified.

*Mohd. Azhar*  
CANDIDATE'S SIGNATURE

INVIGILATOR'S SIGNATURE

Date: \_\_\_\_\_

USE BLUE BALL  
POINT PEN ONLY...

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c	<input type="checkbox"/>								
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Q. NO. 41 42 43 44 45 46 47 48 49 50									
a	<input type="checkbox"/>								
b	<input type="checkbox"/>								
c	<input type="checkbox"/>								
d	<input type="checkbox"/>								

- INSTRUCTIONS**
- CROSS 'X' THE BLOCK  ONCE ONLY USING BLUE BALL POINT PEN.
  - CROSS ONLY ONE BLOCK FOR EACH QUESTION AS SHOWN BELOW.
- |                                     |                                     |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| WRONG                               | WRONG                               | WRONG                               | CORRECT                             |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| b                                   | c                                   | d                                   | b                                   |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
- NO MARKS WILL BE GIVEN TO WRONG ENTRIES.
  - NO MARKS WILL BE GIVEN IF THE ENTRY IS ERASED BY STRIKING OR USING WHITE INK.
  - CROSS ONLY BLOCK PROVIDED. DO NOT MAKE ANY STRAY MARKS ON THE ANSWER SHEET.
  - ROUGH WORK MUST NOT BE DONE ON THIS ANSWER SHEET. USE FREE SPACE IN THE QUESTION BOOKLET PROVIDED.

make cross

$\frac{7}{10}$

$$\frac{34}{50} + \frac{40}{50} = \frac{74}{100}$$

Gen. I sickle cell v disease

**First M.B.B.S.(Preliminary) Examination**

**BIOCHEMISTRY-I**

**08/04/2018**

Total Duration : A+B+C = 2 ½ Hours

Marks : 10

**SECTION – A (MCQs)**

**Instructions :** Instructions: 1) Each question carries 1/2 mark  
2) MCQ Question paper and answer sheet will be collected after 20 minutes.

1. The suicidal bags of the cell are
  - A) endoplasmic reticulum
  - B) Ribosomes
  - C) Gogi bodies
  - D) Lysosomes
2. Cholinesterase can be grouped as a
  - A) Transferases
  - B) Hydrolases
  - C) Oxidoreductase
  - D) Lyase
3. Which of the following enzyme is typically elevated in alcoholism
  - A) Serum alkaline phosphates
  - B) Serum GOT
  - C) Serum  $\gamma$  GT
  - D) Serum LDH
4. In non competitive inhibition
  - A) Km is constant, V max decrease
  - B) Km is constant, V max increase
  - C) Km is increase , V max constant
  - D) Km is decrease, V max decrease
5. All of the following are scleroproteins EXCEPT
  - A) Collagen
  - B) Keratins
  - C) Elastins
  - D) Prolamines
6.  $\alpha$ - helix is disrupted by certain amino acid like
  - A) Proline
  - B) Arginine
  - C) Histidine
  - D) Lysine
7. A positive nitrogen balance occurs
  - A) In growing infants
  - B) Following surgery
  - C) In advanced cancer
  - D) In kwashiorkor
8. The amino acid that does not participate in transamination is
  - A) Alanine
  - B) Glutamic acid
  - C) Lysine
  - D) Tryptophan

*Eg. sickle cell disease*

9. The type of RNA that characteristically contain methylated purines and pyrimidines is  
A) mRNA    B) hnRNA    C) rRNA    D) tRNA
10. Both the carbon & the nitrogen atoms of which of the following are directly incorporated into purines during their biosynthesis  
A) Glutamine    B) Aspartate    C) Glycine    D) Asparagine
11. Which of the following enzyme fill the gap between Okazaki fragments?  
A) DNA polymerase    B) RNA polymerase    C) Translocase    D) Helicase
12. The initiation site for transcription is recognized by  
A)  $\alpha$ -Subunit of DNA-dependent RNA polymerase  
B)  $\beta$ -Subunit of DNA-dependent RNA polymerase  
C) Sigma factor  
D) Rho factor
13. The P:O ratio for the oxidation of succinate through electron transport chain is  
A) One    B) Two    C) Three    D) Four
14. Cytochrome oxidase contains  
A) Cu<sup>2+</sup> and Zn<sup>2+</sup>    B) Cu<sup>2+</sup> and Fe<sup>2+</sup>    C) Cu<sup>2+</sup> and Mg<sup>2+</sup>    D) Cu<sup>2+</sup>
15. Number of oxygen molecules taken by Hb  
A) 1    B) 2    C) 4    D) 6
16. Calcitriol synthesis involves  
A) Both liver and kidney    B) Intestine    C) Adipose tissue    D) Muscle
17. Vitamin E reduces the requirement of  
A) Iron    B) Zinc    C) Selenium    D) Magnesium
18. The probable cause of porphyria cutanea tarda is deficiency of  
A) Uroporphyrinogen oxidase    B) Coproporphyrinogen oxidase  
C) Protoporphyrinogen oxidase    D) Uroporphyrinogen I synthase
19. The two nitrogen atoms of urea are contributed by  
A) Ammonia & glutamate    B) Glutamine & glutamate  
C) Ammonia & aspartate    D) Ammonia & alanine
20. The vitamin used for post-translational modification of glutamic acid to  $\gamma$  Carboxy - glutamate is  
A) Vitamin D    B) Vitamin E    C) Vitamin A    D) Vitamin K

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													

Start Writing from here

Signature  
of the ExaminerSection-B① DNA technology① molecular analysis of disease

- It can give idea about various mutation in DNA & is useful to understand molecular basis of many diseases eg. sickle cell anemia, cystic fibrosis

② laboratory diagnosis of diseases eg. AIDS③ Production of large amount of protein & hormones

- vaccines eg - hepatitis B
- insulin - use to treat diabetes
- interferons - used to treat cancer
- erythropoietin - used to treat anaemia
- growth hormones - used to treat dwarfism

④ gene therapy - genetic diseases can be cured by replacement of defective genes by normal gene  
eg. sickle cell disease

II MBBS  
PU Examination - Repeaters.

JMF'S A.C.P.M. MEDICAL COLLEGE, DHULE

## DEPARTMENT OF MICROBIOLOGY

## **THEORY /~~PRACTICAL~~ ATTENDANCE RECORD**

DATE:- 19/04/2018

ROLL NO.	NAME OF THE STUDENT	SIGNATURE
1	Abhiject Biswas	Abhiject
8	Arsh Kambez	Arsh
42	Nabeela Jabeen	Nabeela
18	Shubham Charnote	Shubham
92	Mohit Samvesh Arif Chavesthi	Mohit
15	Fahadullah Khan	Fahad
96	Shatabroz Habsain	Shatabroz
65	Rani Salvi	Rani
26	Ammar Ahmed	Ammar
49	Rikhav Patel	Rikhav
98	Deep Thakker	Deep
31	Ravindra Kaulhas	Ravindra Kaulhas
94	Ravi Kumar Yadav	Ravi
93	Raut Pranav G.	Raut
68	Shubham H. Sapkal	Shubham
97	Bhavesh Solanki	Bhavesh
63	Smriti Prajapati	Smriti
101	SHAFQUAT MASIH	S. Masih
102.	Sachin L. Kudade	Sachin
12.	Abti P. Chaudhari	Abti

## II MBBS

## PU Examination - Repeater

JMF'S A.C.P.M. MEDICAL COLLEGE, DHULE

## DEPARTMENT OF MICROBIOLOGY

**THEORY / PRACTICAL ATTENDANCE RECORD**

DATE:- 21/04/2018

ROLL NO.	NAME OF THE STUDENT	SIGNATURE
17	Aditi P. Chaudhari	<u>Abha</u>
42	Nabeela Jabeen	<u>J</u>
65	Renu Sahu	<u>Re</u>
102.	Sachin L. Kudade	<u>Sachin</u>
31	Ravindra B. Kothare	<u>R.B.Kothare</u>
93	Pranav Raut	<u>Pranav</u>
8	Arsh Kembay	<u>Arsh</u>
92	Mohit Samir Aliji Qureshi	<u>Mohit</u>
15	Fahadullah Khan	<u>Fahad</u>
06	Shahaboz Ullain	<u>Shahaboz</u>
97	Bharat 501 AMTI	<u>Bharat</u>
18	Shaibham Chonate	<u>Shaibham</u>
1	Abhishek Biswas	<u>Abhishek</u>
68	Shubham H. Sapkal	<u>Sapkal</u>
49	Rishabh Patel	<u>Rishabh</u>
63	Smriti Pogulkar	<u>Smriti</u>
98	Thakur Deep	<u>Deep</u>
101	SHAFQUAT MASIH	<u>S.Masiq</u>
86	Aman Ahmad	<u>Aman</u>

## II MBBS

JMF'S A.C.P.M. MEDICAL COLLEGE, DHULE

DEPARTMENT OF MICROBIOLOGY

PRACTICAL ATTENDANCE RECORD

DATE:- 27/04/2018

ROLL NO.	NAME OF THE STUDENT	SIGNATURE
94	Ravi Kumar Yadav	Ravi
63	Smit Pravalati	sdw
49	Rikhav Patel	RKH
98	Deep Phoekey	Deep
92	Mohit Samant Arif Anveshi	Anveshi
96	Shahabaz Hussain	Shahabaz
68	Shubham H. Sapota	Sapota
15	Fahadullah Khan	Fahad
01	Akshit Biswas	Akshit
36	Amrit Thimal	Amrit
08	Arsh Kambeg	Arsh
31	Ravi B. Keethas	Ravi Keethas
93	Raut Pranav C	Pranav
42	Nabeela Jabeen	Jabeen
65	Reena Salve	Reena
12	Hriti P. Chaudhari	Hriti
97	Bhavesh Solanki	Bhavesh
18	Shubham Chhatre	Shubham
101	Shafiqat Masih	S. masih

# Internal Assessment Examinations

INSTRUCTIONS TO CANDIDATES  
1. Answer all questions in the question booklet provided.  
2. If you answer more than one question, shade the other answers as wrong.  
3. Please use the answer sheet to mark your answers.

WRONG	RIGHT
0 0 0 0	0 0 0 0

CANDIDATE WORDS

SIXTY THREE

QUESTION BOOKLET  
VERSION NO. 4 WORDS

NAME OF EXAMINATION

P.U

SUBJECT

MICROBIOLOGY

PAPER

II

ANSWER SHEET NUMBER

(Write this No. on your Question Booklet)

Signature &amp; Date

SEAT NUMBER

63

0	0	0	0
0	0	0	0
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0	0	0	0

QUESTION BOOKLET VERSION NO.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
u	0	0	0
s	0	0	0
n	0	0	0
g	0	0	0
w	0	0	0
v	0	0	0
r	0	0	0
s	0	0	0
u	0	0	0
0	0	0	0

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D												
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
A	✓	0	0	●												✓	0	●	0	0							0	0	0	0						
N		✓	0	0												✓	0	0	●	0						0	0	0	0							
W			✓	0	0											✓	0	●	0	0						0	0	0	0							
E				✓	0	0	0	0								✓	0	0	0	●						0	0	0	0							
R					✓	0	●	0	0							✓	0	0	0	0						0	0	0	0							
S						✓	0	0	0	0						✓	0	●	0	0						0	0	0	0							

Candidate's Signature

This is to certify that the entries of Seat No., Question Booklet Version No. and Subject have been verified.

Invigilator's Signature

J.M.F.'S, A.C.P.M. MEDICAL COLLEGE, DHULE.

DEPARTMENT OF MICROBIOLOGY.

II / III- M.B.B.S.

**PRE-UNIVERSITY EXAMINATION - APRIL- 2018.**

Date :→ 21/04/2018.

Batch :→

Time :→ 10.00 A.M. To 12.30 P.M.

Total Marks :→ 40.

• **PAPER – II** •

**SECTION → A.**

**Marks → 08.**

**DIRECTION-** Each of the questions below is followed by four alternatives. Select the best or the most appropriate answer. On the answer sheet **darken the circle** against the alphabet corresponding to it.

Q.1. The earliest immunoglobulin to be synthesized by the foetus is :

- |         |         |
|---------|---------|
| A. IgA. | B. IgD. |
| C. IgG. | D. IgM. |

Q.2. C1, C2 and C4 are components of :

- |                                       |  |
|---------------------------------------|--|
| A. Classical pathway of complement.   |  |
| B. Alternative pathway of complement. |  |
| C. Both of the above.                 |  |
| D. None of the above.                 |  |

Q.3. Delayed hypersensitivity reaction is mediated by :

- |                     |                          |
|---------------------|--------------------------|
| A. T - lymphocytes. | B. B - lymphocytes.      |
| C. Killer cells.    | D. Natural killer cells. |

Q.4. Thymic hypoplasia leads to :

- |                              |                               |
|------------------------------|-------------------------------|
| A. Humoral immunodeficiency. | B. Cellular immunodeficiency. |
| C. Complement deficiency.    | D. None of the above.         |

Q.5. EAC rosettes are formed by :

- |               |                  |
|---------------|------------------|
| A. T cell.    | B. B cell.       |
| C. Monocytes. | D. Granulocytes. |

Q.6. Who is the Father of Mycology :

- |                       |                   |
|-----------------------|-------------------|
| A. Raymond Sabouraud. | B. Robert Koch .  |
| C. Louis Pasteur.     | D. Edward Jenner. |

57 species Pathogenic  
63 non-pathogenic

Q.7. Following are live vaccines except:

- A. BCG.
- B. OPV.
- C. MMR.
- D. TAB.

Q.8. Which of the following form of Leishmania donovani is seen in NNN media:

- A. Amastigote.
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- C. Coccidioides immitis.
- D. Blastomyces dermatitidis.

Q.16. which of the following fungus produces ergototoxicosis (ergotism) :

- A. Aspergillus flavus.
- B. Psilocybe species.
- C. Penicillium marneffei.
- D. Claviceps purpurea.

P.M.

Examination

Date 21/04/2018

Class II<sup>nd</sup>

Seat No. 63

Subject MICROBIOLOGY Section B

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													12.5 20

Start writing from here

Signature  
of the ExaminerSeen & Satisfied  
Sign. of Student

Section B

[Q-1]

Antigen : Antigen is substance when introduced in body evokes immune response to produce a specific antibody with specificity.

→ Various determinants of antigenicity.

- 1) Foreignness
- 2) Size
- 3) Antigenic Specificity
- 4) IsoSpecificity
- 5) Species Specificity
- 6) AutoSpecificity

P.U.

Examination

Date

21/04/2019

Class II<sup>nd</sup>

Seat No. 63 Subject: MICROBIOLOGY Section: C

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													08 12

Start writing from here

Signature  
of the ExaminerSeen & Satisfied  
Sign. of Student*[Signature]*

Section C

[LQ-8]

Hepatitis B-virus→ Morphology

→ HBV is complex 48 nm double shelled Particles

→ the outer surface of virus. Surface or envelope contains hepatitis config.

→ It enclosed in dense nuclei proteins

# Internal Assessment Examinations

SECTION A SECTION B  
0 0 0 0 0 0 0 0

READING IN WORDS

Ninety three

QUESTION BOOKLET  
VERSION NO. INI9QB23

NAME OF EXAMINATION

Pune University

SUBJECT

Microbiology

PAPER

II

ANSWER SHEET NUMBER

65  
83

(Write this No. on your Question Booklet)

Answer & Version Filled Correct

*Grant*

Signature & Date

27/4/18

SEAT NUMBER

			9	3
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QUESTION BOOKLET VERSION NO.

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	A	B	C	D		A	B	C	D		A	B	C	D
A N S W E R S	✓	0	0	●	11	✓	0	●	0	21	0	0	0	0
	✓	●	0	0	12	✗	0	●	0	22	0	0	0	0
	✓	●	0	0	13	✓	0	●	0	23	0	0	0	0
	✗	●	0	0	14	✓	●	0	0	24	0	0	0	0
	✓	0	●	0	15	✗	0	0	●	25	0	0	0	0
	✓	●	0	0	16	✓	0	0	●	26	0	0	0	0
	✓	0	0	●	17	0	0	0	0	27	0	0	0	0
	✓	0	●	0	18	0	0	0	0	28	0	0	0	0
	✓	0	0	●	19	0	0	0	0	29	0	0	0	0
	✓	0	●	0	20	0	0	0	0	30	0	0	0	0

*Grant*  
21/04/18

Candidate's Signature

This is to certify that the entries of Seat No., Question Booklet Version No. and Subject have been verified.

*[Signature]*  
Invigilator's Signature

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Date :→ 21/04/2018.

Batch :→

Time :→ 10.00 A.M. To 12.30 P.M.

Total Marks :→ 40.

**● PAPER - II ●****SECTION → A.****Marks → 08.**

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Pre-university Examination

Date 21/4/18

Class II M.B.B.S..... Seat No.... 93..... Subject Microbiology Section II B

Paper II

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													07 202

Start writing from here

Signature  
of the Examiner

Seen &amp; Satisfied

Sign. of Student

21/4/18

**Section-B****→ 1 Antigen**

Antigen is a substance which enters the body and evokes the immune system to synthesize the antibodies which combine it to form complex.

**Determining Antigenicity.**

- 1) Foreign.
- 2) Stere.
- 3) Antigen specimen.
- 4) Species Specific.
- 5) Iso specific.
- 6) <sup>Organ</sup> Organ Specificity.
- 7) Auto Specificity.
- 8) Hetero specific.

Pune University Examination

Date 21/4/18

Class I<sup>ST</sup> M.B.B.S. Seat No. 93 Subject Microbiology Section T1 C

Paper II

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													45 128

Start writing from here

Signature  
of the ExaminerSeen & Satisfied  
Sign. of Student

Ranjit

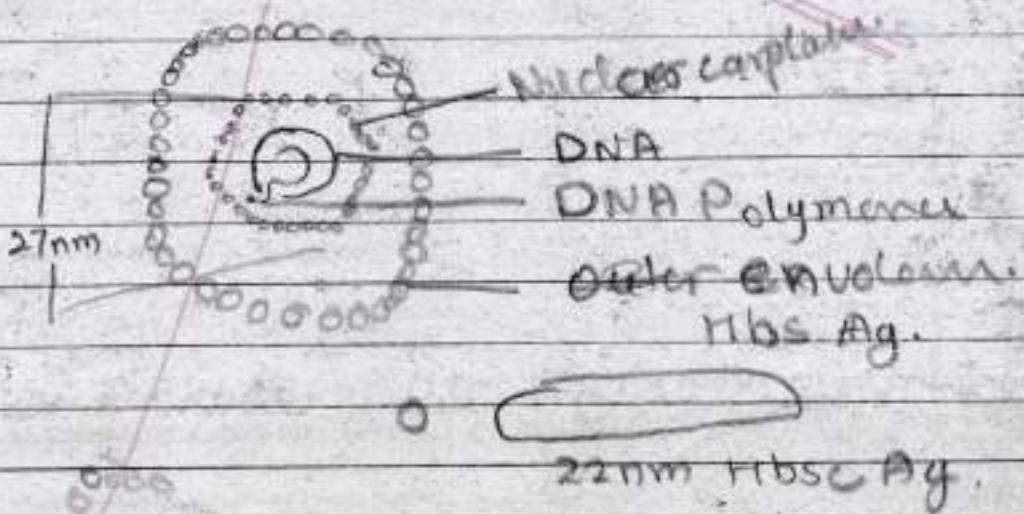
21/4/18

## Section C

→ 2 Morphology of Hepatitis B virus.

Hbs Hepatitis B virus is 47 nm in size only.

The it comes by outer shell of 47 nm.



## **Internal Assessment Examinations**

91347

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Ninety eight

QUESTION BOOKLET  
VERSION NO. 14 WORDS

NAME OF EXAMINATION

SUBJECT

## Microbiology

PAPER

	A	B	C	D		A	B	C	D		A	B	C	D
A N S W E R S	✓ 0	0	0	●	11	✓ 0	●	0	0	21	0	0	0	0
	X 0	0	●	0	12	X ●	0	0	0	22	0	0	0	0
	✓ ●	0	0	0	13	X ●	0	0	0	23	0	0	0	0
	✓ 0	●	0	0	14	✓ ●	0	0	0	24	0	0	0	0
	✓ 0	●	0	0	15	✓ 0	●	0	0	25	0	0	0	0
	✓ ●	0	0	0	16	✓ 0	0	0	●	26	0	0	0	0
	✓ 0	0	0	●	17	0	0	0	0	27	0	0	0	0
	X ●	0	0	0	18	0	0	0	0	28	0	0	0	0
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*Petrushka*

**Candidate's Signature**

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*[Signature]*  
Investigator's Signature

## Spatial specificity

University Examination

Date 21-4-18

Class II MBBS Seat No. 93 Subject Microbiology Section B

Paper II + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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Signature  
of the ExaminerSeen & Satisfied G. P. Patel  
Sign. of Student 27-4-18**Section-B**

(1) Antigen :-

→ Antigen is a substance which when introduced to the body evokes the immune response and produce the antibody with which it reacts in an absolute manner.

→ Determinants of antigenicity

foreignness

size

chemical nature

susceptibility

Antigen spectrum

Species specificity.

Paper II + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													6 12 De

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Signature  
of the ExaminerSeen & Satisfied R. Bhattacharya  
Sign. of Student 27-4-18**Section-C****(1) Leishmania donovani****Morphology :-**

→ It occurs in two stages

**(1) Amastigote form :-**

→ This stage occurs in vertebrate host in intercellular vacuoles inside the macrophage

→ Shape round or oval

→ Size → 2-4 μ along the longitudinal axis.

→ Cytoplasm pale blue

# Internal Assessment Examinations

S. Masih  
27-04-2018

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QUESTION BOOKLET

VERSION NO. IN WORDS

NAME OF EXAMINATION

Pre University examination.

SUBJECT

Microbiology

PAPER

II

ANSWER SHEET NUMBER

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(Write this No. on your Question Booklet)

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S. Masih 27-4-18

Signature & Date

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S. Masih

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Pre-D University..... Examination

Date 21-4-2018.....

Class M.B.B.S 2nd year Seat No. 101 Subject Microbiology Section B B

Paper II + Supplement

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Sign. of Student S. Marathi.

27-4-18

**Section C**

B

• Antigen - antibody reaction

when specific antigen and antibody molecules are combined with and interacted together in solution an antigen reacts with antibody form a complex thus complex formation is an observable manner due to combination of specific antigen with specific antibodies.

Importance of antigens:-

these reaction play an important role into ab mixed immunity due to against infections disease.

- diagnosis of infection.
- epidemiology survey

Pre University

Examination

Date 21-04-2018

Class MBBS 2nd yr Seat No. 101 Subject Microbiology Section **C**Paper **II**

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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S. Marikh

27-4-18

**Section-B****1) Antigen:-**

Antigen are the substance which one given parental route, which was not administered by gastrointestinal route produce an evoke with or without T lymphocytes.

This change will happen because of sensitization of T lymphocyte.

- Antigens are given by in the parental route
- Any drugs can be administrated by different routes.
- like or substance or drugs which one given to physiological change of the body may be given by oral route and Intra muscular route, rectal route, or by inhalation route like nasal spray in asthma.
- Subcutaneous route and intra dermal route is also effective but depends nature of the drugs and their action and adverse effect.
- vaccine (BCG) are given by intra muscular

Name: Bhavesh Solanki Roll no: 97

Internal Assessment Examinations

Section: - A

Date: 1-21/4/2018

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QUESTION BOOKLET VERSION NO. IN WORDS

NAME OF EXAMINATION

Pre-University- Examination- April- 2018

SUBJECT

MICROBIOLOGY

PAPER

II

ANSWER SHEET NUMBER

(Write this No. on your Question Booklet)

Answered & Verified & Found Correct  
Signature & Date 27/4/18

SEAT NUMBER

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S. Bhavesh K.  
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• ANA SPECIFICITY

Pre-university

Examination

Date 21-4-2018

Class 2<sup>nd</sup> MBBS Seat No. 97 Subject Microbiology Section B

## Paper - II

Paper

+ Supplement

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Sign. of Student

S. Bhushan K.

27/4/2018

Section B

~~O.1~~ Antigen

- Antigen is the substance they are introduced in the body and ~~formed~~ they produce the Antibody in the body by immune system
- Antigen are mainly foreign substance
- Sperm and ovaries are body Antigen but they are introduced in foreignness because they are not produced during fetal life

## B Antigenicity

- chemical nature
- Foreignness
- size of antigen
- SUSCEPTIBILITY TO DISEASE
- Organ specificity
- Antigen Specificity
- Heterologous Specificity
- Auto Specificity
- Iso Specificity

Pre-university Examination

Date 22-4-2018

Class 2<sup>nd</sup> MBBS Seat No. 97

Subject Microbiology Section C

## PAPER II

Paper

+ Supplement

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of the Examiner

S. Bhatia K.

Seen & Satisfied  
Sign. of StudentS. Bhatia K.  
27/4/2018

Section

Q.3 Antigen-Antibody Reactions

→ Antigen - Antibody Reaction are

Antigen enter in the body and they bind with antibody and they produced reaction they called Antigen Antibody reaction

- When Antigen are enter in the body and then Immune system are recognised Antigen and they produced Antibody against the Antigen.

the Antibody bind with the Antigen and produced Antigen-Antibody Complex

## Internal Assessment Examinations

- Use blue or black ink only.
- Use a straight edge for drawing, a ruler with metric scale and millimetre scale.
- Use a sharp pencil.
- Do not write over margins or the reverse side.
- Do not write in the answer sheet.
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QUESTION BOOKLET VERSION NO. IN WORDS

NAME OF EXAMINATION

PREUNIVERSITY

SUBJECT

MICROBIOLOGY

PAPER

II

ANSWER SHEET NUMBER

(Write this No. on your Question Booklet)

Answer &amp; Version Hand Correct

Signature &amp; Date

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19) organ specificity

University Examination

Date 21/4/18.....

II MBBS Seat No. 102 Subject Microbiology Section B

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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Signature  
of the ExaminerSeen & Satisfied  
Sign. of Student \_\_\_\_\_**Section B**

1) → 9

Ans :- \*Antigen :-

"Antigen is a substance which when introduced into body, produces immune response to produce antibody with which it reacts in a observable manner"

\* Various determinants of antigenicity:

- 1) foreignness
- 2) size
- 3) susceptibility to tissue culture
- 4) chemical nature
- 5) Species Specificity
- 6) B-Specificity
- 7) Auto-Specificity
- 8) Heterophile Specificity
- 9) organ Specificity

Examination

Date 21/4/18

MBBS Seat No. 102

Subject Microbiology Section C

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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Sign of Student

2.)



Hepatitis B virus :-

Ans :-\* Morphology :- **Section C**

\* Hepatitis B virus (HBV) is a complex structure measuring about 42 nm in size.

\* Hepatitis B virus is a double shelled structure having outer envelope & inner core surface.

\* It has a genome, double stranded DNA & DNA dependent DNA polymerase.

\* Hepatitis B virus is distinct from Hepatitis A virus.

\* HBV has core surface which contains HBC Ag & outer surface contains HBs Ag.

## Internal Assessment Examinations

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EXAM WORDS

Exam No. R-1

QUESTION BOOKLET  
VERSION NO. IN WORDS

NAME OF EXAMINATION

Pre-university examination.

SUBJECT

Microbiology.

PAPER

I.

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Date Examined

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Signature &amp; Date

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Class II<sup>nd</sup> MBBS Seat No. R-1 Subject Microbiology Section 1

Paper

+ Supplement

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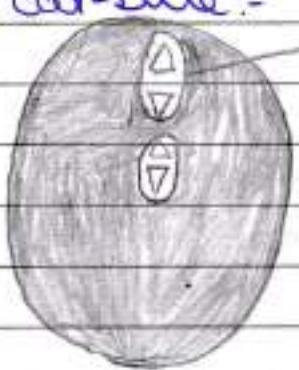
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Sign. of Student \_\_\_\_\_

## Section - B

Q1. Bacterial capsule:-



→ capsule

(i) Bacterial capsule covers the bacteria completely and acts as a envelope for the bacteria.

(ii) It protects the bacteria like a shield.

(iii)

2.5

## Internal Assessment Examinations

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SUBJECT OR SUBJECTS	
VERSION NO. OR WORDS	
NAME OF EXAMINATION	pre-university examination.
SUBJECT	Microbiology
PAPER	II

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- An antigen possesses several epitopes

Pre-University Examination

Date 4/10/2019

Class II MBBS Seat No. R-1 Subject Microbiology Section II

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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Signature  
of the ExaminerSeen & Satisfied  
Sign. of Student**Section-B**

Q1

**Antigen:-**

It is a substance which is parenterally administered i.e.: except the gastro-intestinal tract is given to a living human body which evokes the immune system & in response antibody or T-cell cells are synthesized. The antibody or T-cells fight against the antigen.

**Determinants of antigens:-**

- antigen determination is the smallest unit of antigenicity represented by a small area of the antigen molecule possessing a specific chemical structure & sterile configuration which determines the specific immune response & reacts specifically with antibody. it is also known as epitope
- An antigen possesses several epitopes

Pre-university Examination

Date 4/10/2014

Class II MBBS. Seat No. R-1 Subject Microbiology Section II

Paper + Supplement

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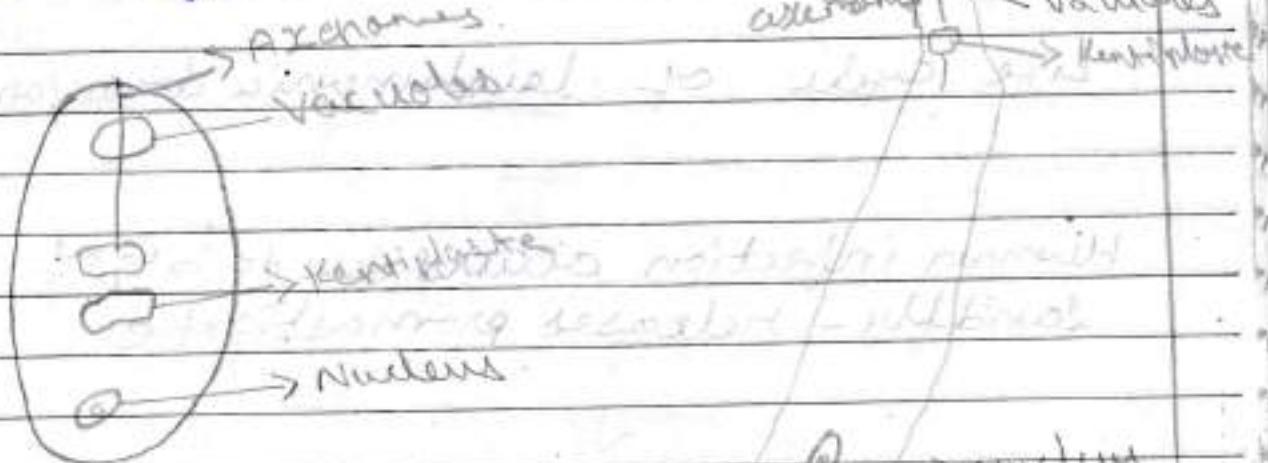
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Section-C

## Q1 Morphology of Leishmania donovani

These are of two forms which are as follows:

- i) Amastigote (LD bodies). Flagella
- ii) promastigote.



Amastigote

Promastigote

# Internal Assessment Examinations

Subject : \_\_\_\_\_  
Version No. : \_\_\_\_\_  
Date : \_\_\_\_\_

NAME OF EXAMINATION

QUESTION BOOKLET VERSION NO.

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NAME OF EXAMINATION

SUBJECT

PAPER

Pre - University

Microbiology

Paper - I

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*Bhushan*  
Candidate's Signature

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*BP*  
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P.M. University Examination

Date 3/10/2019

Class II<sup>nd</sup> MBBS Seat No. 61

Subject... Microbiology Section... B

Paper

+ Supplement

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Signature  
of the ExaminerSeen & Satisfied  
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10/10/19

Ans c) Leptospira

⇒ Morphological Characteristics

- Leptospira are slender, spiral about 6-20 μm X 0.1 μm in size
- They have closely set spirals and hooked ends
- They are actively motile, show spinning and bending or sharply flexing movements

# Internal Assessment Examinations

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VERSION NO. 4 WORDS

NAME OF EXAMINATION

**B Pre - University**  
**Microbiology**  
**Paper - II**

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SUBJECT

PAPER

ANSWER SHEET NUMBER

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This is to certify that the entries of Seat No., Question Booklet Version No. and Subject have been verified.

*Dawla*  
Candidate's Signature

*SD*  
Invigilator's Signature

Any foreign substance may be an antigen e.g:-

Pre-University Examination

Date 4/10/2019

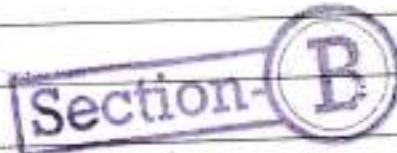
Class **II<sup>nd</sup>** NBB<sub>S</sub> Seat No. **61**Subject **Microbiology** Section **B**

Paper

+ Supplement

Q.No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													10 20 8

Start writing from here

Signature  
of the ExaminerSeen & Satisfied  
Sign. of StudentBhushan  
10/10/19

## Ans 1) Antigen

- Antigen is defined as any substance, which when introduced parenterally i.e. by routes other than gastrointestinal tract, into the living animal body, evokes specific immune response either by producing specific antibody or by producing specifically sensitized T-cells or both. The antibodies or T-cells formed in response to antigen specifically react against the antigen responsible for their production. Any foreign substance may act as an antigen e.g.:

Pre-University Examination

Date 10/10/19Class II MBBS Seat No. 6.1 Subject Microbiology Section C

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													<u>5</u> <u>12</u>

Start writing from here

Signature  
of the ExaminerSeen & Satisfied  
Sign. of StudentDwarka  
10/10/19

## Section-C

Ans 1) Leishmania donovani

⇒ Morphology

There are 2 stages

1) Amastigote form (LD body)

- This stage occurs in vertebrate host (human, dog, hamster). It is intracellular, resides inside the macrophages, monocytes, neutrophils or endothelial cells.

- Shape: Round or oval

- Size: - 2-4 μ along the longitudinal axis

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Roll No.

NAME OF EXAMINER	
EXAMINER	
PAPER	

Puniversity Examination  
Microbiology

49  
59  
4

ADMITTED SHEET NUMBER
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(Write it on your Question Booklet)

Marked &amp; Verified Found Correct

Signature &amp; Date

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ANSWERS	A	B	C	D
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Puniversity

Candidate's Signature

This is to certify that the marks of Seat No. , Question Booklet Version No. and Subject have been verified.

Invigilator's Signature

the body functions which  
cause the

Punjab University

Examination

Date ..... 11/03/2018

Class ..... 3<sup>RD</sup> II<sup>nd</sup>

Seat No. ....

Subject ..... Microbiology Section .....

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													13 35

Start writing from here

Signature  
of the Examiner

Seen &amp; Satisfied

Sign. of Student



Section - C

## I) Laboratory diagnosis of HIV

The HIV infection is diagnosed by the Enzyme Linked Immuno-sorbent Assay. It is known as ELISA test.

The HIV infection causes the weakening of the immune system of the body so the body responds to the various infections is weakens. The infection leads to breaking of functions which leads to earn the

Internal Assessment Examinations

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Roll No.

2  
58

NAME OF EXAMINATION

Pre-University Examination  
Microbiology

PAPER

ANSWER SHEET NUMBER

(Write the No. on your Question Booklet)

Answer & Verified Found Correct  
Okay

Signature & Date

SEAT NUMBER
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QUESTION BOOKLET VERSION NO.
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Rajya

Candidate's Signature

This is to certify that the details of Seat No., Question Booklet Version No. and Subject have been verified.

R.B.

Invigilator's Signature

Pre-University Examination

Date .. 11/4/19 ..

Class II BDS ..... Seat No. 04 ..... Subject Microbiology ..... Section .....

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													16.5 35

Start writing from here

Seen & Submitted  
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of the Examiner

Section C

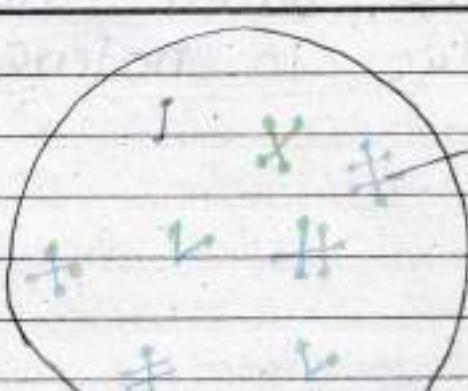
Q2. Long Answer Question .

①

→ Corynebacterium diphtheriae -

- 1) Morphology
- 2) Culture characteristics
- 3) Pathogenicity
- 4) Lab diagnosis .

① Morphology -

Uniform  
amount

# MUHS,

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ANSWER SHEET NO. \_\_\_\_\_

(WRITE THIS NO. ON YOUR QUESTION BOOKLET)

NAME OF EXAMINATION : p.v. winter Exam

SUBJECT :

Paper:

Pharmacology

SEAT NO. (In words)

This is to certify that the entries of Seat NO., Question Booklet Version NO. and subject have been verified.

*Gupta*

CANDIDATE'S SIGNATURE

INVIGILATOR'S SIGNATURE

Date : 23/10/2018

USE BLUE BALL  
POINT PEN ONLY...

#### INSTRUCTIONS

1. CROSS 'X' THE BLOCK  ONCE ONLY USING BLUE BALL POINT PEN.
  2. CROSS ONLY ONE BLOCK FOR EACH QUESTION AS SHOWN BELOW.
  3. NO MARKS WILL BE GIVEN TO WRONG ENTRIES.
  4. NO MARKS WILL BE GIVEN IF THE ENTRY IS ERASED BY STRIKING OR USING WHITE INK.
  5. CROSS ONLY BLOCK PROVIDED. DO NOT MAKE ANY STRAY MARKS ON THE ANSWER SHEET.
  6. ROUGH WORK MUST NOT BE DONE ON THIS ANSWER SHEET. USE FREE SPACE IN THE QUESTION BOOKLET PROVIDED.
- | WRONG                      | WRONG                                 | WRONG                                 | CORRECT                    |
|----------------------------|---------------------------------------|---------------------------------------|----------------------------|
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6/20/-

B) Chemical antagonism

The 2 drugs act chemically & form an inactive product

e.g.: KMO oxidase - 1b-Indole

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained	06	11	6	2	1	2							

Start writing from here

Signature  
of the Examiner Section B

Q2] Write short answer questions [Any four]

Ans Antagonism

- When one drug decreases or abolishes the action of another they are said to be antagonists.
- Effect of drug A + B < effect of drug A + effect of drug B
- Usually, in an antagonistic pair, 1 drug is inactive as such but decreases the response to other.
- Depending upon mechanism / action involved, antagonism may be :-

## A) Physical antagonism

Based on the physical property of the drug. e.g. charcoal adsorbs alkaloids & can prevent their absorption in alkaloid poisoning.

## B) Chemical antagonism

The 2 drugs are chemically & form an inactive product  
e.g. KMnO<sub>4</sub> oxidises alkaloids - used for gastric

Pre-university Examination

Date 22/10/2018

Class II<sup>nd</sup> MBBS Seat No. 013-Batch Subject FMT Section B & C  
repeater

Roll No = 49 Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													123

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Signature  
of the Examinersign Section - B(C) Algor mortis

→ Definition ⇒ After death, the dead body behaves like an inert substance and therefore, if atmospheric temperature is low, body loses its heat by conduction, convection, radiation & evaporation. This is called Algor mortis.

i.e. the body cools.

⇒ factors influencing cooling of dead body.

→ 1) Age → Body of small children & elderly cools faster because of less muscle mass.

2) General condition of body → A thin & lean body cools faster.

Poly-University Examination Date 23-10-2018  
 Practical Class Final MB 013-Batch Seat No. Repeaters Subject FMT Section  
 Roll No. 49 Practical

Q. No.	Paper + Supplement												
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Marks obtained													

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Sign, R.P.

Signature  
of the Examiner

Q. 1. Report on an injured — 3

Q. 2. Medical certification of cause of death - 3

Q. 3. 5 Spots — 4

Q. 4. Certification of alcohol intoxication - 2 ½

Q. 5. Certification of sickness — 2

Q. 6. Report on weapon — 2

Q. 7. viva. — 16 ½



R.P.

sign = 0%



Q.1. This is a male skull and age is adult. above 18 yrs.

Q.2. cause of death is burning  
findings - loss of fluid in the body. and 90% of the body burns.

Q.3. age of patient is below 18 yrs.

Q.4. This is a lead tetra oxide.

fatal dose = 0.5 to 5 gms.

fatal periods - are variable.

Q.5. This is a



P.U Practical Exam

Date:- 28/4/18

Roll No	NAME of STUDENT	Signature
01	Abhijeet Biswas	<u>Abhijeet</u>
04	Ravi Kumar Yadav	<u>Ravi</u>
98	Thakur Deep	<u>Thakur</u>
63	Smit Prajapati	<u>Smit</u>
18	Shubham Chahote	<u>Shubham</u>
15	Fahadullah Khan	<u>Fahad</u>
101	Shafquat Masih	<u>S. Masih</u>
14	Balasaheb Dhangre	<u>Balasaheb</u>
91	Suraj Nikam	<u>Suraj</u>
102.	Sachin Kudade	<u>Sachin</u>

# P.U. Theory Exam

Date : -23/4/18

Roll No.	NAME OF STUDENT.	Sign.
18	Shubham Chavote	Chavote
94	Ravi Kumar Yedla	Ravi
15	Fahadullah Khan	Fahad
01	Abhijeet Biswas	Abhijeet
101	Shafquat Masih	S. Masih
98	Thacker Deep	Thacker
63	Smit Pragati	Smit
14	Balasaheb Dhangre	Dhangre
100	Vishal Rajkumar Sharma	Vishal
91	Suraj Achyutrao Nikam	SANIKAM
102.	Sachin Laxman Kudade	Sachin
84	Ashwini S. Ichhaule	Ashwini
49	Rikhav Patel	Rikhav

**DEPARTMENT OF F.M.T.  
Pre-University Exam. SECTION: A**

Roll No:- 49  
Signature:-   
Date :- 23/4/17

Mark X

Marks Obtained :  
Max Mark 50  
Teacher -

- |  |                               |                                     |                          |                                     |
|--|-------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Dying declaration recording has no relevance in _____ injury              | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) Visceral  | b) Spinal                     |                                     |                          |                                     |
| c) Cerebral  | d) Cardiac                    |                                     |                          |                                     |
| 2. Dichotomy means _____   | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) Fee splitting   | b) Covering                   |                                     |                          |                                     |
| c) Employing agent   | d) Prescription in code words |                                     |                          |                                     |
| 3. Obturator foramen in female is _____                                      | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) Oval  | b) Triangular                 |                                     |                          |                                     |
| c) Round   | d) Square                     |                                     |                          |                                     |
| 4. Suspended animation may be seen in  | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) Electrocution   | b) Strangulation              |                                     |                          |                                     |
| c) Dead born   | d) Still born                 |                                     |                          |                                     |
| 5. Adduction fracture of hyoid is seen in death due to _____                 | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) Strangulation (ligature)  | b) Hanging                    |                                     |                          |                                     |
| c) Throttling  | d) Vehicular accident         |                                     |                          |                                     |
| 6. Frost bite frequently affects   | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) Nose & ears   | b) Scalp                      |                                     |                          |                                     |
| c) Lips  | d) Tongue                     |                                     |                          |                                     |
| 7. If father is B blood group and mother is AB, children will have _____ gp  | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a) A   | b) B                          |                                     |                          |                                     |
| c) AB  | d) A, B or AB                 |                                     |                          |                                     |
| 8. Colour of sub conjunctival haemorrhage changes from red to                | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) Yellow  | b) Blue                       |                                     |                          |                                     |
| c) Green   | d) Brown                      |                                     |                          |                                     |
| 9. Soot deposition around wound of entry is also known as                    | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) Singeing  | b) Smudging                   |                                     |                          |                                     |
| c) Stippling   | d) Peppering                  |                                     |                          |                                     |
| 10. Sexual intercourse by male is possible at _____ age                      | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a) 12  | b) 14                         |                                     |                          |                                     |
| c) 18  | d) All above                  |                                     |                          |                                     |
| 11. A child with I.Q. 50 – 70 is   | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a) Imbecile  | b) Idiot                      |                                     |                          |                                     |
| c) Moron   | d) Normal                     |                                     |                          |                                     |
| 12. Diwali poisoning is due to   | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a) Mercury   | b) Copper                     |                                     |                          |                                     |
| c) Arsenic   | d) Lead                       |                                     |                          |                                     |
| 13. Red velvety stomach is seen in _____ poisoning                           | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a) Abrus   | b) Barbiturate                |                                     |                          |                                     |
| c) Arsenic   | d) Lead                       |                                     |                          |                                     |
| 14. Rectified spirit is not used as preservative in _____ acid               | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) Sulphuric   | b) Nitric                     |                                     |                          |                                     |
| c) Hydrochloric  | d) Carbolic                   |                                     |                          |                                     |
| 15. Concealment of birth is a crime under sec _____ IPC                      | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) 302   | b) 304                        |                                     |                          |                                     |
| c) 317   | d) 318                        |                                     |                          |                                     |
| 16. Rate of putrefaction of body in air as compared to buried is _____ times | <input type="checkbox"/>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| a) 1   | b) 2                          |                                     |                          |                                     |
| c) 4   | d) 8                          |                                     |                          |                                     |

P.U.

Examination

Date 23-04-18

Class 2<sup>nd</sup> MBBS Seat No. 49 Subject FMT Section B & C

Q. No.	Paper + Supplement												Total
	1	2	3	4	5	6	7	8	9	10	11	12	
Marks obtained													OK 32

Start Writing from here

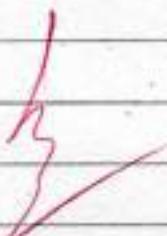
Signature  
of the ExaminerSection-CSeen & Satisfied  
Sign. of Student

(a) Wound of entry & exit in firearm injury. =>

=> If the distance is small between the bullet and body, the opening is bigger and exit is small in size. The entry is everted and larger round.

=> If the distance is more between them, then the wound entry is small and exit is large. The exit is cherry red in colour. The injuries is more in exit side.

=&gt;



**DEPARTMENT OF F.M.T.  
Pre-University Exam. SECTION: A**

Roll No:- 84  
Signature:- Akashdeep  
Date :- 23-4-18

Mark X

Marks Obtained :  
Max Mark : 08  
Teacher : *Mr. S. K. Dutt*

Pre-university Examination

Date 23-4-18

Class II<sup>nd</sup> year Seat No. 84 Subject FMT Section .....

Q. No.	Paper												+ Supplement
	1	2	3	4	5	6	7	8	9	10	11	12	
Marks obtained													21½ 32

Start Writing from here

Signature  
of the Examiner"Section : B "Seen & Satisfied  
Sign. of Student \_\_\_\_\_

Q. 2) Q) ⇒ Police inquest

- ⇒ ① It is the inquest (inquiry) done by police
- ② Police is of not the class below of head constable.
- ③ Procedure → As soon as the police get information about the crime, he notify that crime into the daily diary. Then he informed nearest executive magistrate & then along with two witnesses he reach to the crime scene. (Additional female panch is required if victim is female). Police then prepares 'Panchnama' including
- i) Name, age, sex, address of those who give information about crime.
  - ii) Name, age, sex, address of those who identify victim

**DEPARTMENT OF F.M.T.  
Pre-University Exam, SECTION: A**

Roll No:- 100  
Signature:-  
Date :- 24/04/2018

Mark X

Marks Obtained : 90  
Max Mark 100  
Teacher - S. N.

- |  |                                     |                          |                          |                          |
|--|-------------------------------------|--------------------------|--------------------------|--------------------------|
| 1. Dying declaration recording has no relevance in _____ injury              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| a) Visceral  | b) Spinal                           |                          |                          |                          |
| c) Cerebral  | d) Cardiac                          |                          |                          |                          |
| 2. Dichotomy means _____   |                                     |                          |                          |                          |
| a) Fee splitting   | b) Covering                         |                          |                          |                          |
| c) Employing agent   | d) Prescription in code words       |                          |                          |                          |
| 3. Obturator foramen in female is _____                                      |                                     |                          |                          |                          |
| a) Oval  | b) Triangular                       |                          |                          |                          |
| c) Round   | d) Square                           |                          |                          |                          |
| 4. Suspended animation may be seen in  |                                     |                          |                          |                          |
| a) Electrocution   | b) Strangulation                    |                          |                          |                          |
| c) Dead born   | d) Still born                       |                          |                          |                          |
| 5. Adduction fracture of hyoid is seen in death due to _____ :               |                                     |                          |                          |                          |
| a) Strangulation (ligature)  | b) Hanging                          |                          |                          |                          |
| c) Throttling  | d) Vehicular accident               |                          |                          |                          |
| 6. Frost bite frequently affects   |                                     |                          |                          |                          |
| a) Nose & ears   | b) Scalp                            |                          |                          |                          |
| c) Lips  | d) Tongue                           |                          |                          |                          |
| 7. If father is B blood group and mother is AB, children will have _____ gp  |                                     |                          |                          |                          |
| a) A   | b) B                                |                          |                          |                          |
| c) AB  | d) A, B or AB                       |                          |                          |                          |
| 8. Colour of sub conjunctival haemorrhage changes from red to                |                                     |                          |                          |                          |
| a) Yellow  | b) Blue                             |                          |                          |                          |
| c) Green   | d) Brown                            |                          |                          |                          |
| 9. Soot deposition around wound of entry is also known as                    |                                     |                          |                          |                          |
| a) Singeing  | b) Smudging                         |                          |                          |                          |
| c) Stippling   | d) Peppering                        |                          |                          |                          |
| 10. Sexual intercourse by male is possible at _____ age                      |                                     |                          |                          |                          |
| a) 12  | b) 14                               |                          |                          |                          |
| c) 18  | d) All above                        |                          |                          |                          |
| 11. A child with I.Q. 50 – 70 is   |                                     |                          |                          |                          |
| a) Imbecile  | b) Idiot                            |                          |                          |                          |
| c) Moron   | d) Normal                           |                          |                          |                          |
| 12. Diwali poisoning is due to   |                                     |                          |                          |                          |
| a) Mercury   | b) Copper                           |                          |                          |                          |
| c) Arsenic   | d) Lead                             |                          |                          |                          |
| 13. Red velvety stomach is seen in _____ poisoning                           |                                     |                          |                          |                          |
| a) Abrus   | b) Barbiturate                      |                          |                          |                          |
| c) Arsenic   | d) Lead                             |                          |                          |                          |
| 14. Rectified spirit is not used as preservative in _____ acid               |                                     |                          |                          |                          |
| a) Sulphuric   | b) Nitric                           |                          |                          |                          |
| c) Hydrochloric  | d) Carbolic                         |                          |                          |                          |
| 15. Concealment of birth is a crime under sec _____ IPC                      |                                     |                          |                          |                          |
| a) 302   | b) 304                              |                          |                          |                          |
| c) 317   | d) 318                              |                          |                          |                          |
| 16. Rate of putrefaction of body in air as compared to buried is _____ times |                                     |                          |                          |                          |
| a) 1   | b) 2                                |                          |                          |                          |
| c) 4   | d) 8                                |                          |                          |                          |

Pre-University

Examination

Date 23/4/18

Class I MBBS

Seat No. 100

Subject F.M.T

Section B &amp; C

Q. No.	Paper												+ Supplement
	1	2	3	4	5	6	7	8	9	10	11	12	
Marks obtained													OGC 32

Start Writing from here

Signature  
of the Examiner JHSection - BSeen & Satisfying  
Sign. of Student \_\_\_\_\_

(6)

Ans. b) Hermaphrodite is a genetic condition in which the sex chromosome i.e XY & XX undergoes abnormalities.

- Abnormality of sex chromosome can cause many other ~~sex~~ sex chromosome disorder such as Turner syndrome, etc.
- When the foetus with XY chromosome is born the genetic defect causes appearance of both male & female secondary sexual characters.
- Such individuals are sterile and are known as hermaphrodite or eunuchs.
- Individual who are hermaphrodites are tall, thin, high pitched voice, they have gynaecomastia.
- Because testes and ovaries are in same body normal reproduction does not occur and hence are sterile.
- Such individuals cannot reproduce, they have weak musculature.

1/2

5.5  
8

SEAT NO.				
49				
0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

QUESTION BOOKLET VERSION				
A	<input type="checkbox"/>	0	<input type="checkbox"/>	<input type="checkbox"/>
B	<input type="checkbox"/>	1	<input type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>	2	<input type="checkbox"/>	<input type="checkbox"/>
D	<input type="checkbox"/>	3	<input type="checkbox"/>	<input type="checkbox"/>
E	<input type="checkbox"/>	4	<input type="checkbox"/>	<input type="checkbox"/>
F	<input type="checkbox"/>	5	<input type="checkbox"/>	<input type="checkbox"/>
G	<input type="checkbox"/>	6	<input type="checkbox"/>	<input type="checkbox"/>
H	<input type="checkbox"/>	7	<input type="checkbox"/>	<input type="checkbox"/>
I	<input type="checkbox"/>	8	<input type="checkbox"/>	<input type="checkbox"/>
J	<input type="checkbox"/>	9	<input type="checkbox"/>	<input type="checkbox"/>

ANSWER SHEET NO. \_\_\_\_\_

(WRITE THIS NO. ON YOUR QUESTION BOOKLET)

NAME OF EXAMINATION:

SUBJECT : <b>PATHOLOGY</b>	PAPER: <b>I</b>
-------------------------------	--------------------

SEAT NO. (In words)

four nine.

QUESTION BOOKLET VERSION (In Words)

This is to certify that the entries of Seat No., Question Booklet Version No. and subject have been verified.

*RHD*

CANDIDATE'S SIGNATURE

INVIGILATOR'S SIGNATURE

Date: 30/9/2019

USE BLUE BALL POINT PEN ONLY...

**INSTRUCTIONS**

1. CROSS 'X' THE BLOCK  ONCE ONLY USING BLUE BALL POINT PEN.
  2. CROSS ONLY ONE BLOCK FOR EACH QUESTION AS SHOWN BELOW.
  3. NO MARKS WILL BE GIVEN TO WRONG ENTRIES.
  4. NO MARKS WILL BE GIVEN IF THE ENTRY IS ERASED BY STRIKING OR USING WHITE INK.
  5. CROSS ONLY BLOCK PROVIDED. DO NOT MAKE ANY STRAY MARKS ON THE ANSWER SHEET.
  6. ROUGH WORK MUST NOT BE DONE ON THIS ANSWER SHEET. USE FREE SPACE IN THE QUESTION BOOKLET PROVIDED.
- |                            |                                       |                                       |                            |
|----------------------------|---------------------------------------|---------------------------------------|----------------------------|
| WRONG                      | WRONG                                 | WRONG                                 | CORRECT                    |
| a <input type="checkbox"/> | a <input checked="" type="checkbox"/> | a <input type="checkbox"/>            | a <input type="checkbox"/> |
| b <input type="checkbox"/> | b <input type="checkbox"/>            | b <input type="checkbox"/>            | b <input type="checkbox"/> |
| c <input type="checkbox"/> | c <input type="checkbox"/>            | c <input checked="" type="checkbox"/> | c <input type="checkbox"/> |
| d <input type="checkbox"/> | d <input type="checkbox"/>            | d <input type="checkbox"/>            | d <input type="checkbox"/> |

Q. NO. 1	2	3	4	5	6	7	8	9	10
a <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Q. NO. 11	12	13	14	15	16	17	18	19	20
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b <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
c <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Q. NO. 21	22	23	24	25	26	27	28	29	30
a <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
b <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
c <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
d <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
Q. NO. 31	32	33	34	35	36	37	38	39	40
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c <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
d <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
Q. NO. 41	42	43	44	45	46	47	48	49	50
a <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
b <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
c <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
d <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													13½

~~13½~~~~20~~Signature  
of the Examiner

Start writing from here

## Section: B

SQ ≥ 4

Differentiate bet. Apoptosis and necrosis

Feature:

Apoptosis

Necrosis

① Definition.

programmed &  
coordinated cell deathcell death along with  
degradation of tissue  
by hydrolytic  
enzymes.

② Causative agents:

physiologic and  
pathologic processes

Hypoxia, toxins

③ Morphology (i) No inflammatory  
reaction

always present

(ii) Death of single  
(cell)death of many  
adjacent cells.

(iii) cell shrinkage.

cell swelling initially

(iv) Apoptotic bodies

damaged organelles,

(v) chromatin  
condensation(v) Nuclear  
disruption

P.V.

Examination

Date ..... 1/10/2019

Class ..... 2<sup>nd</sup> MBBS Seat No..... 49

Subject... Pathology Section..... C

Q. No.	Paper												+ Supplement	Total
	1	2	3	4	5	6	7	8	9	10	11	12		
Marks obtained	5.5	5	4.5										10/12	OB

Start writing from here

Signature  
of the Examiner

### Section-C

$$\text{LQ} = 3$$

Definition → - Shock -

→ shock is a life-threatening clinical syndrome of cardiovascular collapse, characterised by:

- 1) an acute reduction of effective circulating blood volume and,
- 2) an inadequate perfusion of cells and tissue.

\* \* [classification] \*

- ① Hypovolaemic shock.
  - (i) Acute haemorrhage.
  - (ii) Dehydration from vomiting, diarrhoea.
  - (iii) Burns
  - (iv) Excessive use of diuretics
  - (v) Acute pancreatitis.

## Batch

MUHS,

SEAT NO.

QUESTION BOOKLET VERSION			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A <input type="checkbox"/>	0 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B <input type="checkbox"/>	1 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E <input type="checkbox"/>	2 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I <input type="checkbox"/>	3 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N <input type="checkbox"/>	4 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	5 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	6 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	7 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	8 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	9 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ANSWER SHEET NO.

(WRITE THIS NO. ON YOUR QUESTION BOOKLET)

**NAME OF EXAMINATION:**

SUBJECT :  
PATHOLOGY

Paper:

**SEAT NO.- (In words)**

Four nine

QUESTION BOOKLET VERSION *for Windows*

This is to certify that the entries of Seat NO.  
Question Booklet Version NO. and subject  
have been verified.

PHD

CANDIDATE'S  
SIGNATURE

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**INVIGILATOR'S  
SIGNATURE**

Date : 1 / 10 / 2019

**USE BLUE BALL  
POINT PEN ONLY**

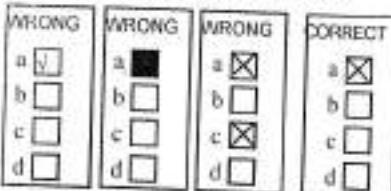
**INSTRUCTIONS**

- INSTRUCTIONS**

  1. CROSS 'X' THE BLOCK  ONCE ONLY USING BLUE BALL POINT PEN.
  2. CROSS ONLY ONE BLOCK FOR EACH QUESTION AS SHOWN BELOW.

WRONG	WRONG	WRONG	CORRECT
a <input type="checkbox"/>	a <input checked="" type="checkbox"/>	a <input checked="" type="checkbox"/>	a <input checked="" type="checkbox"/>
b <input type="checkbox"/>	b <input type="checkbox"/>	b <input type="checkbox"/>	b <input type="checkbox"/>
c <input type="checkbox"/>	c <input type="checkbox"/>	c <input checked="" type="checkbox"/>	c <input type="checkbox"/>
d <input type="checkbox"/>	d <input type="checkbox"/>	d <input type="checkbox"/>	d <input type="checkbox"/>

  3. NO MARKS WILL BE GIVEN TO WRONG ENTRIES.
  4. NO MARKS WILL BE GIVEN IF THE ENTRY IS ERASED BY STRIKING OR USING WHITE INK.
  5. CROSS ONLY BLOCK PROVIDED. DO NOT MAKE ANY STRAY MARKS ON THE ANSWER SHEET.
  6. ROUGH WORK MUST NOT BE DONE ON THIS ANSWER SHEET. USE FREE SPACE IN THE QUESTION BOOKLET PROVIDED.



P.U.

Examination

Date 11/10/2019

Class 2<sup>nd</sup> MBBBS

Repeater

49

Seat No.

013 Batch

Subject PATHOLOGY

Section B

013 Batch

Paper II

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained													14/20

Start writing from here

Signature  
of the Examiner

S2

(Section - B)

(Q=1)

① Diagnostic fine needle aspiration, cytology

② Applications of FNAC

→ It is diagnosis of palpable mass lesions, palpable lesion commonly sampled areas - Breast, enlarged lymph nodes

③ Advantages of FNAC

(i) FNAC is an OPD procedure and requires no hospitalization

(ii) No anaesthesia is required

(iii) quick procedure

(iv) cost-effective

• Use

Rishabh Shukla

Repeater

5.5/08

ANSWER SHEET NO.

(WRITE THIS NO ON YOUR QUESTION BOOKLET)

NAME OF EXAMINATION - Pre - University

SUBJECT :

Pathology

Paper:

II

SEAT NO. (In words)

Sixty One

QUESTION BOOKLET VERSION (In Words)

This is to certify that the entries of Seat No., Question Booklet Version No. and subject have been verified.

Rishabh

CANDIDATE'S SIGNATURE

INVIGILATOR'S SIGNATURE

Date: 12/10/19

USE BLUE BALL POINT PEN ONLY....

INSTRUCTIONS

1. CROSS 'X' THE BLOCK  ONCE ONLY USING BLUE BALL POINT PEN.

2. CROSS ONLY ONE BLOCK FOR EACH QUESTION AS SHOWN BELOW.

WRONG

a   
b   
c   
d

WRONG

a   
b   
c   
d

WRONG

a   
b   
c   
d

CORRECT

a   
b   
c   
d

3. NO MARKS WILL BE GIVEN TO WRONG ENTRIES.

4. NO MARKS WILL BE GIVEN IF THE ENTRY IS ERASED BY STRIKING OR USING WHITE INK.

5. CROSS ONLY BLOCK PROVIDED. DO NOT MAKE ANY STRAY MARKS ON THE ANSWER SHEET.

6. ROUGH WORK MUST NOT BE DONE ON THIS ANSWER SHEET. USE FREE SPACE IN THE QUESTION BOOKLET PROVIDED.

SEAT NO.									
6	1								
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4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Q. NO. 1 2 3 4 5 6 7 8 9 10									
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c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Pre-University Examination

Date 12/10/19

Class II<sup>nd</sup> MBBS Seat No. 6.1

Subject Pathology Section B

Paper

+ Supplement

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## Ans 6) Hashimoto's thyroiditis

- It is also known as diffuse lymphocytic thyroiditis, struma lymphomatosa or goitrous autoimmune thyroiditis.
- It has 3 principal features :-

  - Diffuse goitrous enlargement of the thyroid
  - Occurrence of thyroid autoantibodies
  - Lymphocytic infiltration of the thyroid gland

- It occurs at the age of 30 and 50 years
- Preponderance among females

Pre-University Examination

Date 12/10/19

Class II<sup>nd</sup> MBBS Seat No. 61

Subject Pathology Section C

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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## Section - C

Ans 1) Glomerulonephritis

Glomerular disease encompass large and clinically significant group of renal disease. Glomerulonephritis or Bright's disease is the term used for disease that primarily involve the renal glomeruli

→ Classification

• On the basis of morphology

• Macronodular

• Micronodular

•

⇒ Clinopathologic & classification of glomerular disease

a) A) Primary Glomerulonephritis

i) Acute GN

MUHS,

ANSWER SHEET NO.

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NAME OF EXAMINATION: PSC - University

**SUBJECT :**

**Paper:**

## Pathology

## Sixty One

**QUESTION BOOKLET VERSION (in Words)**

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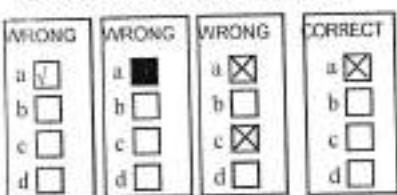
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Subject Pathology Section B

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Ans 5) Amyloidosis is the term used for a group of disease characterised by extracellular deposition of fibrillar insoluble proteinaceous substance called amyloid having common morphological appearance staining properties and physical structure but with variable protein composition

⇒ Classification

A) Systemic Amyloidosis

i) Primary - heart, skin

ii) Secondary - Liver, spleen, kidney

iii) Haemodialysis - associated - Joints tendon

University Examination

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II<sup>nd</sup> MBBS Seat No. 61

Subject Pathology Section C

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## Section - C

(Ans 1)

## Metastasis (Distant spread)

Metastasis :- It is a spread of tumour by invasion in way that discontinuous secondary tumour mass/masses are formed at the site of lodgement

## Route of metastasis

- Lymphatic spread
- Haematogenous spread
- Along body cavities and natural passage

Repeater  
4/8/B

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NAME OF EXAMINATION :

SUBJECT :

Pathology

Paper:

II

SEAT NO. (In words)

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*Rajiv Pal.*

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P4 Examination Date.....  
 Class II M.B.B.S. Seat No..... Subject Pathology Section E.S.

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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Q.2

Hypertension

Hypertension is most common cause of death world wide

2 types of hypertension

- (1) Primary hypertension
- (2) Secondary hypertension

Pathogen

	Systolic	Diastolic
Normal	< 120	280

Prehypertension

120 - 139

180 - 89

Stage I

140 - 159

90 - 99

Stage II

&gt; 160

&gt; 100

Isolated systolic hypertension

&gt; 140

&gt; 90

&gt; 200

&gt; 140

Repeater. 08.

Rajiv Patel. 2014

MUHS,

~~4.5~~ 8

ANSWER SHEET NO.

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Class II MBBS..... Seat No..... Subject.. Pathology..... Section... B.....

Paper + Supplement

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Q.1.

→

The factor which cause delay of wound healing  
are as follow

~~There~~ It is of two types factor which delay  
if systemic the wound healing

- 1] Local factor
- 2] Systemic factor

1] Local factor include the following

- 1] Infection
- 2] poor blood supply
- 3] foreign body
- 4] Movement delay the wound healing
- 5] Exposure of UV radiation which delayed the healing of wound.
- 6] Exposure of ionising radiation
- 7] Exposure

2] Systemic factor

P4 ..... Examination Date .....

Class ... II MBBS .... Seat No. 08. Repeater Subject. Pathology ..... Section. C .....

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(Ques)

### Shock :-

1) Shock is defi as life threatening Clinical Syndrome of cardiovascular collapse with an acute decrease of effective circulating blood vols. and Inadequate pre perfusion of cell and tissues

### Classification

1) Hypovolemic shock ✓

2) cardiogenic shock ✓

3) Septic shock ✓

4) Other types

a) Traumatic shock

b) Hyperadrenergic shock ✓

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gammma  
Complex deposition.

Pre-University Examination

Date 17/10/18

Class II MBBS Seat No. 102 Subject Pathology Section B

Paper

+ Supplement

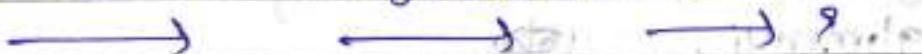
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## Section - B.

3.)

Ans :-

# Rapidly progressive Glomerulonephritis :- (RPGN), :- This characterised by formation of crescents in the glomeruli

# pathogenesis :-

According to clinical status, RPGN is divided into three types :-

- 1) Type 1 :- Systemic glomerulonephritis
- 2) Type 2 :- Post - Infectious glomerulonephritis
- 3) Type 3 :- Auto-immune Glomerulonephritis

i) Type 1 :- (Systemic Glomerulonephritis)  
RPGN is associated with some systemic diseases.  
e.g. :- Goodpasture's syndrome

In Goodpasture's syndrome, the antibodies against antigen are damage the glomeruli by its IgG immune-complex deposition.

preuniversity

Examination

Date 17/10/18

Class II MBBS

Seat No.

102

Subject Pathology

Section C

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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Section - C

1)

Ans :-

# classification of lung tumours :-

A) Tumours of Epithelial cells :-

1) Benign :-

- a) \* papilloma
- b) \* Adenoma

2) Dysplasia &amp; In situ carcinoma.

3) Malignant :-

a) \* Squamous cell carcinoma.

b) \* Small cell carcinoma.

- pure

- Combined.

c) Large cell carcinoma

d) Adenocarcinoma.

e) Adenosquamous carcinoma.

B) Soft tissue tumours :-

a) \* fibroma

b) \* fibroadenoma

c) \* ~~lipoma~~ lipoma

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ANSWER SHEET NO.

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NAME OF EXAMINATION : Pre University

SUBJECT : Pathology Paper: I.

SEAT NO. (In words)

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QUESTION BOOKLET VERSION (In Words)  
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Rohit

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Date: 16/10/2018

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blood cancer

- (vi) The blood should be preserved properly at certain temperature in blood banks.

Pre-university Examination

Date 16/10/2018

Class II<sup>nd</sup> MBBS Seat No. 83 Subject Pathology Section I

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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of the Examiner

## Section B (SAQ).

## (5) Hazards of blood transfusion:-

- i) Mismatch blood transfusion may lead to skin rashes, Itching.
- ii) Before blood transfusion the donor's blood group should be tested. If mismatch transfusion may be fatal.
- iii) If donor's blood is infected with HIV or any other infection it may infect the recipient so we should test the blood before transfusion.
- iv) Mismatch blood transfusion may lead to fever, chills, dermatitis,
- v) mismatch blood transfusion may lead to blood cancer.
- vi) The blood should be preserved properly at certain temperature in blood banks. Otherwise it may be fatal.

Pre-University Examination

Date 16/10/2018

Class II<sup>nd</sup> MBBS, Seat No. 85, Subject Pathology, Section I

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
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## Section - C

Q1.

Thrombosis:-

Thrombosis is defined as accumulation or deposition of fats or cholesterol in the artery which results in poor blood supply of the body.

complication of thrombosis:-

- i) Thrombosis may lead to myocardial infarction due to little delivery of oxygen & blood to the tissue.
- (ii) Thrombosis may block the arteries completely which may lead to heart block.
- (iii) Thrombosis may lead to heart attacks.
- (iv) Thrombosis can be treated by angioplasty if it blocks the left or right coronary artery.
- (v) Thrombosis causes poor blood supply of the body.
- (vi) Thrombosis may become fatal which may lead to cardiac arrest of the person.

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**ANSWER SHEET NO.**

(WRITE THIS NO. ON YOUR QUESTION BOOKLET)

**NAME OF EXAMINATION:**

**SUBJECT:**

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**SEAT NO.** (In words)

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**INVIGILATOR'S  
SIGNATURE**

Date : 16-Nov-22

**USE BLUE BALL  
POINT PEN ONLY**

## INSTRUCTIONS

- INSTRUCTIONS**

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PV Examination.

Supplement No..... Subject PATHOLOGY Class 2<sup>nd</sup> MBBS Roll No.... 96 (012)

I

(Q.1)

(SECTION - B)

17

20

B

Nerosis → defined as a localised area of death of tissue followed by degradation of tissue by hydrolitic enzymes liberated from dead cells.

5 types of nerosis

- (i) Coagulative nerosis
- (ii) Liquefaction nerosis
- (iii) Caseous nerosis
- (iv) Fat nerosis
- (v) Fibrinoid nerosis

(i) Coagulative nerosis.

- most common type
- caused by irreversible focal injury by sudden cessation of blood flow
- heart, kidney & spleen commonly effected organs.

Gross → focus of nerosis is pale, firm & slightly swollen is called infarct.

Micr → hallmark of coagulative nerosis is conversion of normal cells into their tombstones.

- necrotic cells are more eosinophilic cytoplasm than the normal
- these cells show nuclear changes of pyknosis, karyorrhexis and karyolysis.

Pre university

Examination

Date .....

Class Second year Seat No. 96 (012) Subject PATHOLOGY Section C

I

Paper

+ Supplement

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Signature  
of the Examiner

## (SECTION C)

(Q. 1)

- i) Shock - shock is a life threatening clinical syndrome of cardiovascular collapse characterised by
- ii) Acute reduction of effective circulating blood volume (hypotension)
  - iii) an inadequate perfusion of cells and tissues (hypoperfusion)

## Classification

1. Hypovolaemic shock
  - (i) acute haemorrhage
  - (ii) dehydration from vomiting, diarrhoea
  - (iii) Burns
  - (iv) excessive use of diuretics
  - (v) Acute pancreatitis
2. Cardiogenic shock
  - (i) Deficient emptying
    - a) myocardial infarction
    - b) cardiomyopathies
    - c) Rupture of heart, ventricle papillary my
    - d) cardiac arrhythmias
  - (ii) Deficit + dilation of

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ANSWER SHEET NO. \_\_\_\_\_

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**A. C. P. M. MEDICAL COLLEGE, DHULE.**  
**SUPPLEMENT**

P.D Examination

Supplement No. .... Subject PATHOLOGY Class II<sup>nd</sup> M.B.B.S Roll No. 96 (2012)  
 II  
(Section - B)

15/20

Q(2) CSF findings in tubercular meningitis

features	Normal	Tubercular meningitis
(1) Naked eye appearance	clear and colourless	clear or slightly turbid and form <del>coagulum</del> on standing
(2) CSF pressure	60-150 mm of H <sub>2</sub> O	elevated ( $> 300 \text{ mm of H}_2\text{O}$ )
(3) Cells	0-4 lymphocytes/ $\mu\text{l}$	100-1000 lymphocytes/ $\mu\text{l}$
(4) proteins	15-45 mg/dl	Raised
(5) glucose	50-80 mg/dl	Reduced
(6) Bacteriology	sterile	Tubercle bacilli present.

③

# A. C. P. M. MEDICAL COLLEGE, DHULE. SUPPLEMENT

P.U. Examination  
Supplement No. .... Subject PATHOLOGY Class. II<sup>nd</sup> MBBS Roll No. 96 (012)

II

## (SECTION - C)

9  
12

### (Q.1) Ovarian Cancer

#### Classification

(I) Tumours of surface epithelium (60-70%)

(A) Serous tumours

- 1 Serous cystadenoma
- 2 Borderline serous tumour
- 3 Serous cystadenocarcinoma

(B) Mucinous tumours

- 1 Mucinous cystadenoma
- 2 Borderline mucinous tumour
- 3 Mucinous cystadenocarcinoma

(C) Endometrioid tumours

(D) Clear cell tumours.

(E) Brenner tumours.

H 1/2

(II) Germ cell tumours (15-20%)

(A) Teratomas

- 1 Benign (mature, adult) teratoma
- 2 malignant (immature) teratoma
- 3 Monodermal teratoma.

(B) Dysgerminoma

(C) Endodermal sinus tumour.

(D) Choriocarcinoma

(E) Others/embryonal carcinoma, Polyembryoma

(III) Sex cord stromal tumours (5-10%)

(A) Granulosa-theca cell tumours.

- 1 Granulosa cell tumours

- 2 thecoma

Date :

## ACPM Medical College, Dhule

Subject : Surgery - II

Pre-university Examination - III/II MBBS

Marks : 45

### Section - B

**Q.2. Write Short Notes on any 3**

$3 \times 3 = 9$

- a) Umbilical diseases.
- b) Regional anaesthesia.
- c) Joseph Lister.
- d) Classification of anal fistula.
- e) Sigmoid Volvulus.

**Q.3. Long Answer Questions**

$8 \times 2 = 16$

- a) 50 yr old male patient with history of alcoholism comes with haematemesis. Discuss management.
- b) Discuss etiopathogenesis, clinical features and management of Ca Stomach.

### Section - C

**Q.4. Write Short Notes on any 4**

$4 \times 3 = 12$

- a) Interventional Radiology.
- b) Adult polycystic kidney disease.
- c) Ca penis.
- d) I.V.U
- e) Management of acute pancreatitis.
- f) Occupations predisposing to Ca Urinary Bladder.

**Q.5. Long Answer Question**

$8 \times 1 = 8$

Enumerate the causes of retention of urine. Discuss the management of urinary retention in a 60 yr old male patient.

Preuniversity Exam... Examination

Date 1-10-2019

Class III<sup>rd</sup> MBBS Seat No. 88 (2014) Subject Surgery-II Section (B)  
(Prep)

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of the ExaminerSeen & Satisfied  
Sign. of Student R. J. PatelQ.2.

→ P.

Sigmoid volvulus :-Etiology :-

- (i) Sigmoid volvulus is quite common disease in the abdominal diseases.
- (ii) Sigmoid volvulus contributes to its incidence are about  $\frac{2}{3}$  among the total cases of volvulus.
- (iii) Remaining  $\frac{1}{3}$  cases of volvulus are of caecal volvulus.

Clinical features and signs :-

- (i) In case of sigmoid volvulus the distention of the colon is seen.
- (ii) The distention results in the further worsening of the condition.
- (iii) The distention caused is due to the following reasons-
  - (iv) Causes of sigmoid volvulus may comprise of overloading of the colon.
  - (v) Detachment from the base.

9  
15

## ACPM Medical College, Dhule

Subject : Surgery - I

Pre-university Examination - III/II MBBS

Marks : 15x1 = 15

## MCQ

1.

Complications of massive transfusion include all of the following except

- a) acidosis
- b) coagulopathy
- c) hypothermia
- d) hypercalcemia

2.

A clean incised wound heals by

- a) excessive scarring
- b) secondary intention
- c) primary intention
- d) None of the above

3.

Which one of the following suture material has high tissue reaction

- a) plain catgut
- b) polydioxanone(PDS)
- c) chromic catgut
- d) polypropylene

4.

Wet gangrene is characterized by all of the following except

- a) Presence of pain
- b) No clear line of demarcation
- c) mummification
- d) putrefaction

5.

The gas used in laparoscopic surgery to create pneumoperitoneum

- a) N<sub>2</sub>O
- b) N<sub>2</sub>
- c) O<sub>2</sub>
- d) CO<sub>2</sub>

6.

Ramstedt's Operation is done in

- a) achalasia
- b) duodenal atresia
- c) infantile hypertrophic pyloric stenosis
- d) zenker's diverticulum

7.

Type of radiation used in radiotherapy is

- a) UV rays
- b) IR rays
- c) Photons
- d) Ionizing radiations

8.

Common vessel to rupture in extradural hematoma is

- a) meningeal artery
- b) Meningeal Vein
- c) Intracerebral Vessels
- d) Superficial Temporal Artery

9. Most common tumor of parotid gland is

- a) Squamous cell carcinoma
- b) pleomorphic adenoma
- c) Adenolymphoma
- d) None of the above

10. Treatment of choice for solitary nodule of thyroid is

- a) Total thyroidectomy
- b) Hemi thyroidectomy
- c) Lobectomy
- d) Subtotal thyroidectomy

11. Commonest type of dislocation of the hip is

- a) Anterior
- b) Posterior
- c) Central
- d) Dislocation with fracture of shaft

12. Medial meniscus is more vulnerable to injury because of

- a) its fixity to Tibial Collateral ligament.
- b) Its semicircular shape
- c) Action of adductor magnus
- d) Its attachment to fibrous capsule.

13. A dead piece of bone is known as

- a) involucrum
- b) Sequestrum
- c) Cloacae
- d) All of these

14. Which is true about osteomalacia

- a) Alkaline Phosphatase is raised.
- b) Serum phosphate is low.
- c) Serum calcium is low or normal.
- d) All of the above.

15. Swan neck deformity is a feature of

- a) Syphilitic Arthritis
- b) Gouty arthritis
- c) Rheumatoid Arthritis
- d) Osteo Arthritis.

**ACPM Medical College, Dhule****Subject : Surgery - I****Pre-university Examination - III/II MBBS****Marks : 45****Section - B****Q.2. Write Short Notes on any 3****3x3 = 9**

- Etiology and treatment of nipple discharge.
- Glasgow Coma Scale.
- Flail chest.
- Lateral Aberrant Thyroid.
- Septic Shock.

**Q.3. Long Answer Questions****8x2 = 16**

- Classify burns. Describe the management of 30% partial thickness burns.
- Discuss the etiology and classification of Ca Breast. Discuss the management of locally advanced breast carcinoma.

**Section - C****Q.4. Long answer question****8x1 = 8**

Describe etiopathogenesis, clinical features, investigations & treatment of POTT's spine.

**Q.5. Write Short Notes on any 4****4x3 = 12**

- Supracondylar Fracture of Humerus.
- Tennis Elbow.
- Stages of fracture healing.
- Volkman's Ischaemic Contracture.
- Giant Cell Tumor.

Pre-university

Examination

Date 30/09/2019

Class 4<sup>th</sup>(II<sup>nd</sup>) MBBBS

Seat No. 88(2014)

Subject Surgery

Section (B)

(P.T.O.)

Paper

+ Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained	4	4	4	4	4	4	4	4	4	4	4	4	48
	4	4	4	4	4	4	4	4	4	4	4	4	48

Start writing from here

Signature  
of the ExaminerSeen & SatisfiedSinn. of Student D. Patel.Q.R. $\rightarrow 9$ 

(b)

 $\rightarrow 8$ Glasgow coma scale:

Glasgow coma scale is a grading system which grades the movement and condition of the coma patients. It is useful to know the responsiveness of the patient.

The scale comprises of giving commands to the patient and observing its motor activity, speech and responses.

The scale is calculated as follows:

Glasgo coma scale:

eye opening	speech	motor
-------------	--------	-------

(Verbal responder)	responses
--------------------	-----------

(i) spontaneous (-4)	oriented (-5)	obey commands (-6)
(ii) TO speech (-3)	confused (-4)	Localizes pain (-5)
(iii) TO pain (-2)	inappropriate words (-3)	Flexion to pain (-4)
(iv) None (-1)	incomprehensible (-2)	Abnormal flexion (-3)
	words (-1)	extensor to pain (-2)
	None. (-1)	none. (-1)

The is with total score 15.

The mild injury is said to happen when the

P.U Examination Examination

Date 24/10/2018

Class III / II Seat No..... Subject Obstetrics Section.....

Q. No.	Paper + Supplement												
	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained	11	3.5	4.5										19/30

Start writing from here

Signature  
of the Examiner

Section - B.



SACQ. 2.

2) Amniocentesis.

(1)  
2.5

Amniocentesis is a transabdominal procedure, in which there is after cleaning the lower abdomen and painting the part with antiseptic sterile isolations towels are placed to expose only the hypogastric region.

A fine needle is introduced under fluor. ultrasound guidance in the cavity amniotic cavity.

This procedure is commonly preferred performed to draw off a sample of amniotic fluid from the amniotic cavity at about 16 weeks of gestation.

During the procedure care should be taken to avoid injury to the placental site.

✓) Maximum score given in Apgar score is :

- 10     4     12     8

✓) Bandle's ring is present in  
 PROM     Obstructed labour  
 precipitate labour     None



✗) Oxytocin antagonist is :

- Ritodrine     Nifedipine  
 Atosiban     MgSO<sub>4</sub>

✓) Pulmonary maturity of fetus is confirmed when L/S ratio is :

- > 2     > 3     < 2     > 4

✓) Daily calory requirement in pregnancy is :

- 1000     1500     2500     3500

✓) Normal foetal heart rate (FHR) at 37-40 weeks is

- 80-120/min     120-160/min  
 140-180/min     160-200/min

✓) Complications of polyhydramnios are :

- preterm labour     PROM  
 cord prolapse     All of the above

✗) According to WHO criteria, anaemia in pregnancy is defined as Hb level of Hb below

- 10 gm/dl     11 gm/dl     9 gm/dl     12 gm/dl

✓) For medical management of ectopic pregnancy, the drug of choice is :

- oxytocin     Methotrexate.  
 Methylsulphate     Methergin

✓) PPH is defined as blood loss above

- 500 ml     1000 ml  
 800 ml     200 ml.

✓) In primigravida, duration of second stage of labour is

- 2 hrs     1 hour  
 3 hrs     4 hours

✓) Fetal anomaly scan is done at

- 18 weeks     20 weeks  
 14 weeks     24 weeks

be 'taken' to avoid injury to the placental site.

13) Foetal haemopoiesis first occurs in

Liver       Spleen

Yolk sac       Kidney

14) Preterm labour is defined as labour prior to

38 weeks       37 weeks

32 weeks       28 weeks

15) HELPP syndrome is

Elevated liver enzymes       Haemolysis

Low platelet count       All of the above

16) Commonest site of implantation of ectopic pregnancy is

Ovary       Intestine

Ampulla       Pouch of Douglas

17) Full dilatation of cervix is

10cm       8cm       6cm       12cm

18) MTP is legal upto

20 weeks       28 weeks       22 weeks

10 weeks

19) Commonly performed episiotomy is

Median       J shaped

Mediolateral       Lateral

20) During pregnancy, commonest degenerative change in fibroid is

Hyaline       Fatty

Cystic       Red degeneration



Pre-University Examination

Date 24/10/2018

Class III / IV Seat No. 88 (Rep.) Subject dos. & Cynec. Section.....

Paper + Supplement

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained	10	4	4.5										18.5 / 30

Start writing from here

Signature  
of the ExaminerSection-BAns- 1)Apgar score  $\Rightarrow$  $\Rightarrow$  clinical features -

intensity and duration of oxytocin, and oxides are excretion and subsequent deiodocis.

- Normal range of the apgar is 5-55 mg/kg. in  $\text{HCO}_3^-$ .
- Hyperemia is the main clinical features of the apgar scoring.
- Apgar scoring is Heart rate, muscle tone and color are scoring the patient's

Maximum score given in Apgar score is :

- 10     4     12     8

Bandle's ring is present in  
 PROM       Obstructed labour  
 precipitate labour     None

82  
10

Oxytocin antagonist is :

- Ritodrine                     Nifedipine  
 Atosiban                     MgSO<sub>4</sub>

Pulmonary maturity of fetus is confirmed when L/S ratio is :

- > 2     > 3     < 2     > 4

Daily calory requirement in pregnancy is :

- 1000     1500     2500     3500

Normal foetal heart rate (FHR) at 37-40 weeks is

- 80-120/min                     120-160/min  
 140-180/min                     180-200/min

Complications of polyhydramnios are :

- preterm labour                 PROM  
 cord prolapse             All of the above

According to WHO criteria, anaemia in pregnancy is defined as the level of Hb below

- 10 gm/dl     11 gm/dl     9 gm/dl     12 gm/dl

For medical management of ectopic pregnancy, the drug of choice is :

- oxytocin                         Methotrexate.  
 Methyldopa                     Methergin

PPH is defined as blood loss above

- 500 ml                             1000 ml  
 800 ml                             200 ml.

In primigravida, duration of second stage of labour is

- 2 hrs                             1 hour  
 3 hrs                             4 hours

Fetal anomaly scan is done at

- 18 weeks                             20 weeks  
 19 weeks                             24 weeks

- Apgar scoring is Heart rate,  
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Liver  spleen

Yolk sac  kidney

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Elevated liver enzymes  Haemolysis

Low platelet count  All of the above

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Ampulla  Pouch of Douglas

17) Full dilatation of cervix is :

10cm  8cm  6cm  12cm

18) MTP is legal upto

20 weeks  28 weeks  22 weeks

10 weeks

19) Commonly performed episiotomy is :

Median  J shaped

Mediolateral  lateral

20) During pregnancy, commonest degenerative change in fibroid is :

Hyaline  Fatty

Cystic  Red degeneration

P. U. Examination Examination

Date 25/10/18

Class III / II

Seat No. 1

Subject Gynaecology Section B + C

Paper 1

+ Supplement 1 = 2

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	Total
Marks obtained		10	5	4									<u>19</u> 30

Start writing from here

Signature  
of the Examiner

## Section - C.

5

L A Q. 3. Carcinoma Cervix

- Incidence of cervical cancer is steadily declining in the developed world.
- Pap smear has reduced the incidence by 80% and death by 70%.
- Use of HSU vaccine is expected to reduce the incidence further.

Etiology:

- Average age is 35 to 50 yrs.
- Coitus before the age of 15 yrs.
- Multiple sexual partners.
- Delivery of first baby before

## SUPPLEMENT

Supplement No. .... 2 ..... Subject.....Gynaecology..... Class, III / II ..... Roll No.....

1) Red degeneration.

2 - 5

Def<sup>n</sup> of Fibroid: Fibroid is ~~one~~ most common benign tumours of uterus also common benign solid tumors in female.

Red degeneration occurs in early fibroid mainly during second half of pregnancy and puerperium cause is not known but is probably vascular in origin infection does not play any part

- Naked eye appearance of the tumours show dark areas with cut sections & raw beef appearance often containing cystic space
- The color is fishy due to fatty acids
- Colour is due to presence of haemolyzed red cells and H<sub>2</sub>O.

Menopausal evidence of necrosis are the thrombosed but no extravasation of blood is unlikely.

- 1) Clue cells are present in :  
 Trichomonial Vaginitis  Bacterial vaginosis  
 Monilial Vaginitis  None
- 2) Non-hormonal therapy for DUB is :  
 Oestrogen  Progesterone  
 GnRH  Contraception
- 3) The commonest site for endometriosis is :  
 Fallopian Tube  Ovary  
 Cervix  Broad ligament
- 4) Normal vaginal pH during reproductive years is :  
 1.5  4.5  6  7.5
- 5) Life-span of progestasert is :  
 1 yr  2 yrs  5 yrs  10 years
- 6) Malignant counterpart of fibroid is :  
 Sarcoma  Fibroma  
 Dermoid  None
- 7) The preferred site for tubectomy operation is :  
 Ampulla  Isthmus  
 Interstitium  Fimbria
- 8) The chromosomal component in Turner's syndrome is :  
 45 X0  46 XX  
 47 XXX  47 XYY
- 9) Average blood loss during menstrual period is :  
 20 ml  80 ml  
 40 ml  160 ml
- 10) Feminizing ovarian tumour is :  
 Granulosa cell tumour  Dermoid cyst  
 Arshenoblastoma  Serous cystadenoma
- 11) Food rich in phytohaeogenes :  
 Rice  Soya bean  
 Wheat  None.

→ Multiple sexual partners.

→ Delivery of first baby before the age of 20 yrs.

- ✓ 12) In low dose pills, oestrogen content is less than :  
✓ 30 µg  50 µg  100 µg  200 µg
- ✓ 13) Frequent cycles with normal bleeding is :  
✓ Polymenorrhoea  Polymenorrhagia  
 Amenorrhoea  Metrommagia
- ✓ 14) drug of choice for endometriosis is :  
 Oestrogen  Progesterone  
 Clomiphene  All of the above
- ✓ 15) Earliest menopausal symptom is :  
 Hot flashes  Osteoporosis  
 Insomnia  None
- ✓ 16) CA 125 is tumour marker for :  
 Endometrial cell ovarian tumour  
 Carcinoma cervix  
 Ca endometrium  
 Hepatic carcinoma
- ✓ 17) Which one has longest lifespan :  
 Cu 7 years  CuT 320 days  
 Moltioides 250  Progestasert
- ✓ 18) WHO definition of normal sperm count is :  
 10 million/ml  20 millions/ml  
 40 millions/ml  60 millions/ml
- ✓ 19) In female genital tract, one of the following is not affected by Gonococcal infections :  
 Vulva  Vagina  
 Cervix  Fallopian tube
- ✓ 20) In laparoscopic chromopertubation, dye used is :  
 Gentian Violet  Methylene Blue  
 Conray  None of the above

Pre-University Examination

Date 25/10/2012

O.P.T.

Class III/IV Seat No. 88 (Rep) Subject Obs &amp; Gyneec Section.....

Q. No.	Paper											+ Supplement
	1	2	3	4	5	6	7	8	9	10	11	
Marks obtained	10	4.5	4.5									19 30

Start writing from here

Signature  
of the ExaminerSection-B

2.S

~~Aus-1)~~Red degeneration of fibroid :

- Fibroid is most common benign tumour of uterus.
- Benign solid tumour in the female.
- Red degeneration occurs in large fibroid mainly during second half of pregnancy or puerperium.
- cause is not common in fibroid.
- It is probably vascular in infection does not play any role in the fibroid.

- 1) Clue cells are present in  
 Trichomonial Vaginitis  Bacterial Vaginosis  
 Monilial Vaginitis  None
- 2) Non-hormonal therapy for DUB is  
 Oestrogen  Progesterone  
 GNRH  Gonadotrophin
- 3) The commonest site for endometriosis is  
 Fallopian Tube  Ovary  
 Cervix  Broad ligament
- 4) Normal vaginal pH during reproductive years is  
 1.5  4.5  6  7.5
- 5) Life-span of progestasert is :  
 1 yr  2 yrs  5 yrs  10 years
- 6) Malignant counterpart of fibroid is  
 Sarcoma  Fibroma  
 Dermoid  None
- 7) The preferred site for tubectomy operation is  
 Ampulla  Isthmus  
 Interstitium  Fimbria
- 8) The chromosomal component in Turner's syndrome is  
 45 X0  46 XX  
 47 XXX  47 XXX
- 9) Average blood loss during menstrual period is :  
 20 ml  80 ml  
 40 ml  160 ml
- 10) Feminizing ovarian tumour is :  
 Granulosa cell tumour  Dermoid cyst  
 Arshenoblastoma  Serous cystadenoma
- 11) Food rich in phyto-oestrogen is.....  
 Rice  Soyabean  
 Wheat  None

→ It is known, various...  
 Infection does not play any role in the fibroid.

- 12) In low dose pills, oestrogen content is less than :  
 30 µgm    50 µgm    1100 µgm    60 µgm
- 13) Frequent cycles with normal bleeding is  
 polymenorrhoea    polymenorrhagia  
 oligomenorrhoea    metrorrhagia
- 14) drug of choice for endometrosis is  
 oestrogen    progesterone  
 clomiphene    All of the above
- 15) Earliest menopausal symptom is  
 hot flashes    osteoporosis  
 insomnia    None
- 16) Ca 125 is common marker for  
 pituitary cell ovarian tumour  
 carcinoma cervix  
 Ca endometrium  
 hepatic carcinoma
- 17) which has the longest life span  
 Cu 7200    Co 330 days  
 molybdate    progestasert
- 18) WHO definition of normal sperm count is  
 10 million/ml    20 millions/ml  
 40 millions/ml    60 millions/ml
- 19) In female genital tract, one of the following is not affected by gonococcal infections  
 vulva    vagina  
 cervix    Fallopian Tube
- 20) In laparoscopic chromopertubation, the dye used is  
 gentian violet    methylene blue  
 conray    None of the above