

N-2007000102010002

Second Year B. H. M. S. Examination

July - 2021

Pathology & Microbiology : Paper - II
(New Course)

Time : Hours]

[Total Marks : 100

Instruction :

नीचे दशांशिक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :

Name of the Subject :

Subject Code No. : Section No. (1, 2,.....) :

Seat No. :

Student's Signature

SECTION - I

1 Write in detail about Morphology, Antigenic properties, Pathogenesis, Laboratory Diagnosis and Prophylaxis of MICROBACTERIUM TUBERCULOSIS. 15

OR

1 Write down about Morphology and Cultural Characteristics of 'V Cholerae' Bacteria and Explain CHOLERA in detail. 15

2 Describe Morphology, Life cycle, Pathogenesis, Lab investigations and Prevention of Hook Worm Infection, in detail. 15

OR

2 (A) Describe Life cycle and Pathogenicity of P. Falciparum malaria Parasite. 7

(B) Describe Morphology, Life cycle and Clinical features of Leishmania Donovanii. 8

3 Write short notes : (any three) 15

(1) Toxins of Streptococcus Pyogenes.

(2) Widal Test.

(3) Difference between T. Saginata - T Solium.

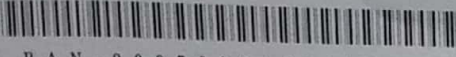
(4) Amoebic Liver Abscess.

(5) Cutaneous Candidiasis.

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[Contd...



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S.Y.B.H.M.S. Examination

November - 2020

Pathology-Paper-II

सूचना : / Instructions

नीचे दृष्टविले निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.
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Name of the Examination:

Name of the Subject :

Subject Code No.:

Seat No.:

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Student's Signature

Instruction:

- (1) Write Both the section in separate answer-book.
- (2) Draw a diagram wherever necessary.

Section I

Q.1 Explain Morphology culture characteristics, Pathogenicity and Lab diagnosis of Staphylococci or Meningococci **15**

Q.2 Explain morphology, pathogenicity and lab. Diagnosis of P. Vivax **15**

OR

Q.2 Describe following

- 1) Pathogenicity of E. Granulosus **8**
- 2) Pathogenicity of L. Donovanii **7**

Q.3 Write short notes (Any 3 out of 5) **15**

- 1) Characteristic features of Nematodes
- 2) Fungi
- 3) C/F of Syphilis
- 4) Difference between T.Saginata & T. Solium
- 5) Plague classification

Q.4 Multiple Choice Questions

5

- 1) Creeping eruption present in
A) E. Histolytica
B) Malarial parasite
C) A. Duodenale
D) L. Donovanii
- 2) Study of fungi known as
A) Mycology
B) Virology
C) Oncology
D) None
- 3) Elek's gel precipitation test comes under
A) Gonococci
B) C. Diphtheria
C) CL. Tetani
D) Salmonella
- 4) Which is somatic parasite
A) E. Granulosus
B) E. Vermicularis
C) A. Lumbricoid
D) W. Bancrofti
- 5) Capsulated Bacteria
A) Pneumococci
B) Y. Pestis
C) Streptococci
D) Myco. T.B

Section II

Q.1 Describe in detail a virus which has been spread by Parenteral as well as Sexual transmitted route. 15

OR

Q.1 Describe Chickenpox virus in detail. 15

Q.2 Describe following in detail. 15

1. Gram staining
2. Acid fast staining.
3. Culture Media

OR

Q.2. (a) Difference between exotoxins and endotoxins 7

(b) Type 1 Hypersensitivity reaction 8

Q.3 Write short notes (any 3)

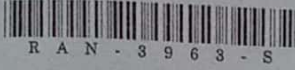
(15)

- (a) Eosinophilia
- (b) COVID 19
- (c) Spore
- (d) Different Immunoglobulin
- (e) Glucose tolerance test

Q.4 Write short answer

(5)

- (a) Neutrophilia means _____
 - (b) Define Agar
 - (c) Causative organism of Typhoid
 - (d) Vaccines are _____ type of immunity
 - (e) Define Virus
-



RAN-3963-S

S.Y. B.H.M.S Examination

January - 2020

Pathology- Paper-II

[Total Marks: 100

सूचना : / Instructions

(1)

नीचे दृष्टविले निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:
S.Y. B.H.M.S Examination

Name of the Subject :
Pathology- Paper-II

Subject Code No.: 3 9 6 3 - S

Seat No.:

Student's Signature

(2) Attempt both section separately.

SECTION - 1

Q. 1. Explain morphology, cultural characteristics, biochemical activities, toxin, pathogenesis, lx of pneumococcus. [15]

OR

Q. 1. Explain morphology, cultural characteristics, biochemical activities, toxin, pathogenesis, lx of salmonella. [15]

Q. 2. Explain morphology, life cycle, pathogenesis and treatment of e.hytolytica. [15]

OR

A. Pathogenesis of Plasmodium [08]

B. Hydatid cyst [07]

Q. 3. Write short note: (Any - 3) [15]

1. fungi
2. flagella
3. spore
4. Z.n.stain
5. culture media

Q. 4. Answer in one word or sentence. [05]

1. Name bacilli among this
 - A. streptococci.
 - B. staphylococci.
 - C. meningococci.
 - D. salmonella

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[1]

[P.T.O.]

2. Bacillary dysentery is caused by

A. shigella.	B. E. histolytica.
C. ascaris.	D. plasmodium
3. Example of moist heat sterilization

A. hot air oven.	B. pasteurization.
C. flaming.	D. incineration
4. Acid fast bacilli

A. clostridium	B. pneumococci.
C. mycobacterium.	D. salmonella
5. pneumonia' is caused by

A. streptococci.	B. pneumococci.
C. meningococci.	D. Plasmodium

SECTION - 2

Q. 1. Classify hepatitis virus. Describe in detail disease caused by it with treatment and prophylaxis. [15]

OR

Q. 1. Classify rabies virus. Describe in detail disease caused by it with treatment and prophylaxis. [15]

Q. 2. Define immunity. Explain its types with proper example. [15]

OR

- | | |
|---------------------|------|
| A. Hypersensitivity | [08] |
| B. Antigen | [07] |

Q. 3. Short Notes. (Any Three) [15]

- | | |
|------------------|-------------------|
| 1. Glycosuria | 2. Immunoglobulin |
| 3. Montoux test | 4. Vaccines |
| 5. Leucocytosis. | |

Q. 4. Answer in one word or sentence. [05]

1. Name anaerobic bacteria.

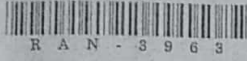
A. streptococci.	B. clostridium
C. meningococci	D. salmonella
2. ketonuria is seen in which disease .

A. diabetes	B. hepatitis
C. meningitis	D. malaria
3. Liquid media contains

A. alcohol	B. peptone
C. gelatin	D. malt
4. AIDS caused by

A. HIV	B. picarnovrus
C. rabdovirus	D. hepatitis virus
5. Widal test is done for

A. diarrhoea	B. typhoid
C. malaria	D. gastroenteritis



RAN-3963

S.Y.B.H.M.S. (New Course) Examination

January - 2019

Pathology Paper - 2

सूचना : / Instructions

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Name of the Examination:

S.Y.B.H.M.S. (New Course) Examination

Name of the Subject :

Pathology Paper - 2

Subject Code No.: 3 9 6 3

Section No. (1, 2,.....) : II

Seat No.:

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Student's Signature

SECTION - I

- Instructions: 1) Figure on right side indicates full mark.
2) Write both the section in different answer books.

1. Describe the morphology, cultural characteristics, pathogenicity and lab investigation of Pneumococcus. 15

OR

Describe the morphology, cultural characteristics, pathogenicity and lab investigation of mycobacterium tuberculosis.

2. Describe the morphology, life cycle, pathogenicity and lab investigation of ancylostoma duodenale. 15

OR

Describe the morphology, life cycle, pathogenicity and lab investigation of Wuchereria Bancrofti.

3. Write Short Note. (Any Three)

- a) Bacterial growth curve
- b) Spore
- c) Fungi
- d) Lab diagnosis of Taenia
- e) Life Cycle of E. Histolytica

4. Multiple Choice Question.

- a) Each of the following parasite is transmitted by mosquitoes except:
 - (i) Leishmania donovani
 - (ii) Wuchereria bancrofti
 - (iii) Plasmodium vivax
 - (iv) Plasmodium falciparum
- b) Pigs or dogs are the source of human infection by each of the following parasites except:
 - (i) Echinococcus granulosus
 - (ii) Taenia solium
 - (iii) Ascaris lumbricoides
 - (iv) Trichinella spiralis
- c) In malaria, the form of plasmodia that is transmitted from mosquito to human is the
 - (i) Sporozoite
 - (ii) Gametocyte
 - (iii) Merozoite
 - (iv) Hypnozoite
- d) Which of the following is not a Gram +ve cocci
 - (i) Streptococci
 - (ii) Staphylococci
 - (iii) Pneumococci
 - (iv) Gonococci

- e) Golden Yellow Colony is characteristic of which Bacteria
- (i) Clostridium tetani
 - (ii) Streptococcus
 - ✓(iii) Staphylococcus Aureus
 - (iv) Salmonella Typhi

SECTION - II

1. Classify Poxvirus? Describe pathogenesis, lab diagnosis, prophylaxis of Measlesvirus? 15

OR

Classify Herpes simplex virus? Describe morphology, pathogenesis, lab diagnosis of Herpes simplex virus?

2. Define hypersensitivity reactions? Describe type I hypersensitivity reaction with examples. 15

OR

- a) Difference between exotoxins and endotoxins. 7
- b) Describe Active immunity. 8

3. Write short notes. (any 3) 15

- a) Peripheral blood smear examinations
- b) Culture media
- c) IgG
- d) Autoclave
- e) Agglutination reaction

4. Write short answer. 5

- a) Leucopenia means
- b) Name culture method
- c) Causative bacteria of Hospital acquired infection
- d) Vaccines are _____ type of immunity.
- e) Name anaerobic bacteria.