APRIL 2001

[KD 232]

M.Sc. (Non–Clinical) DEGREE EXAMINATION.

Final — Branch V — Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. Enumerate the causative agents of Urinary tract infection. Discuss the laboratory diagnosis of Urinary tract infection. (25)

2. Classify Streptococci and describe the infections caused by it. (25)

3. Describe the laboratory diagnosis of cryptococcal meningitis. (25)

4. Write briefly on : (5 × 5 = 25)

(a) Elek's test

(b) B.C.G. Vaccine

(c) Bacteriophage typing

(d) Toxins of clostridium tetani

(e) Dimorphic fungi.

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SEPTEMBER 2002

[KH 232]

M.Sc. (Non–Clinical) DEGREE EXAMINATION.

Final — Branch V — Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. Classify Mycobacteria. Describe the laboratory diagnosis and prophylaxis of tuberculosis. (25)

2. Name the diseases transmitted through food. How will you diagnose a case of enteric fever? (25)

3. Describe the epidemiology and diagnosis of mycetoma. (25)

4. Write briefly on : (5 × 5 = 25)

(a) VDRL test

(b) Mycotoxins

(c) DPT vaccine

(d) Rhino sporidiosis

(e) Fungal staining techniques.

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APRIL 2003

[KI 232] **Sub. Code : 2977**

M.Sc. (Non–clinical) DEGREE EXAMINATION.

Final

Branch V — Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. Name the bacteria which cause diarrhoea in man. Describe the laboratory diagnosis and prophylaxis of cholera. (25)

2. Classify fungi. Write in detail on dermatophytes. (25)

3. Describe the epidemiology and laboratory diagnosis of Leptospirosis. (25)

4. Write briefly on : (5 × 5 = 25)

   (a) Candida

   (b) Nosocomial infection.

   (c) Helicobacter pylori.

   (d) Coagulase test.

   (e) Malignant pustule.

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APRIL 2004

[KK 232] **Sub. Code : 2977**

M.Sc. (Non–Clinical) DEGREE EXAMINATION.

Final

Branch V — Microbiology

Paper II — SYSTEMIC BACTERIOLOGY AND MYCOLOGY

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and forty minutes Sec. A & B : 80 marks

Sec. C : Twenty minutes Sec. C : 20 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A

1. Describe the Morphology, Laboratory Diagnosis and prevention of leptospirosis. (15)

2. Classify Fungi. Describe the laboratory diagnosis of cryptococcosis. (15)

SECTION B

3. Write short notes on the following : (10 × 5 = 50)

(a) Cholera vaccines

(b) Camp test

(c) Anti–fungal agents

(d) Blasto mycosis

(e) Rhizopus

(f) Weil–Felix test

(g) Le gionella pneumophila

(h) Classification of shigella

(i) Clostridium difficile

(j) Corynebacterium diphtheriae staining methods.

MARCH 2005

[KM 232] **Sub. Code : 2977**

M.Sc. (Non-clinical) DEGREE EXAMINATION.

Branch V — Microbiology

Final

Paper II — SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and forty minutes Sec. A & B : 80 marks

Section C : Twenty minutes Section C : 20 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. List and classify mycobacteria. Write in detail about the morphology, cultural characters and laboratory diagnosis of mycobacterium tuberculosis. (15)

2. Classify streptococci. Discuss in detail about the morphology, cultural characters and laboratory diagnosis of streptococcus pyogenes. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

(a) Enterotoxigenic escherichia coli

(b) DPT vaccine

(c) Helicobacter pylorii

(d) Dimorphic fungi

(e) Pneumo cystis carinii

(f) Standard tests for syphilis

(g) Afla toxins

(h) Exotoxins producing gram negative bacteria

(i) Candida

(j) Infantile botulism.

MARCH 2006

[KO 232] **Sub. Code : 2977**

M.Sc. (Non-clinical) DEGREE EXAMINATION.

Branch V — Microbiology

Final

Paper II — SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Time : Three hours | Maximum : 100 marks

Sec. A & B : Two hours and forty minutes | Sec. A & B : 80 marks

Sec. C : Twenty minutes | Sec. C : 20 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. How do you classify corynebacterium diphtheria and write about the laboratory diagnosis and prophylaxis of Diphtheria. (15)

2. Name various genera of Dermatophytes disease. Describe the laboratory diagnosis of infections caused by Dermatophytes. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

(a) Dimorphism

(b) Tric agents

(c) Sabouraud's dextrose agar

(d) Lepromin test

(e) Satellitism

(f) Plasmodium Falciparum

(g) Nagler's reaction

(h) Mycetoma

(i) Streptococci viridans

(j) Q Fever.

[KR 232] **Sub. Code : 2977**

M.Sc. (Non–Clinical) DEGREE EXAMINATION.

Final

Branch V — Microbiology

Paper II — SYSTEMIC BACTERIOLOGY AND MYCOLOGY

Time : Three hours Maximum : 100 marks

Descriptive : Two hours and forty minutes Descriptive : 80 marks

Objective : Twenty minutes Objective : 20 marks

Answer ALL questions.

I. Essay questions :

(1) Classify spirochaetes. Discuss in detail about the morphology, cultural characteristics and lab diagnosis of syphyllis. (20)

(2) Describe laboratory diagnosis and prevention of enteric fever. (15)

(3) Classify dermatophytes. Discuss laboratory diagnosis of infections produced by dermatophytes. (15)

II. Short notes : (6 × 5 = 30)

(a) Coagulase test.

(b) DPT vaccine.

(c) Mycotoxins.

(d) Helicobacter pylori.

(e) Nocardia.

(f) Standard tests for syphilis.

[KU 232] MARCH - 2009 **Sub. Code: 2977**

M.Sc (Non Clinical) DEGREE EXAMINATION

FINAL

Branch V –MICROBIOLOGY
Paper II – SYSTEMIC BACTERIOLOGY AND MYCOLOGY

Q.P. Code : 282977

Time : Three hours **Maximum : 100 marks**

Answer All questions.

I. Essays: **(2 X 20=40)**

1. a) Enumerate the diarrhoea causing bacterial organisms.
   b) Write in detail morphology, cultural characteristics, classification and lab diagnosis of cholera due to V.cholerae.

2. a) Name the fungal agents responsible for causing deep mycotic infections.
   b) Describe in detail the fungal organisms causing systemic mycoses.

II. Write Short Notes on : **(10X 6 = 60)**

1. MRSA.
2. Haemolysins of stneptococuss.
3. Concentnation methods for M.tuberculosis.
4. Standard tests for syphilis.
5. UTI due to E. coli.
6. Lab diagnosis of Brucella.
7. Dermatophytes.
8. Fungal opportunistic infections.
9. Weil-Felix test.
10. Lab diagnosis of Cl.tetani.

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