156

M.D. DEGREE EXAMINATION, MARCH 1990

Branch IV — Microbiology

SYSTEMATIC BACTERIOLOGY

Time : Three hours

Answer ALL the questions.

1. Classify leptospira. Discuss the pathogenesis and laboratory diagnosis of common leptospira.

2. Discuss the aetiology, pathogenesis and laboratory diagnosis of bacterial meningitis.

3. Write briefly on :

(*a*) Elek's test.

(*b*) Legionella pneumophylla.

(*c*) Lepramin test.

(*d*) Malignant pustule.

(*e*) Inclusion conjunctivitis.

(*f*) Satellitism.

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156

M.D. DEGREE EXAMINATION, OCTOBER 1990

Branch IV — Microbiology

Paper II — SYSTEMIC BACTERIOLOGY

Time : Three hours

Answer ALL the questions.

1. Classify atypical mycobacteria. Discuss their pathogenesis and laboratory diagnosis.

2. Discuss the aetiology, pathogenesis, laboratory diagnosis of bacterial food poisoning.

3. Write briefly on :

(a) Specific tests for syphilis.

(b) TRIC agents.

(c) Nagler's reaction.

(d) Significant bacteriuria.

(e) Lysteria monocytogenes.

(f) Streptolysin-O.

March-1991

260

M.D. DEGREE EXAMINATION, MARCH 1991.

Branch IV — Microbiology

SYSTEMATIC BACTERIOLOGY

Time : Three hours.

Answer ALL the questions.

1. Discuss the role of non-fermentative Gram-negative bacilli in various clinical conditions. Describe the methods of their identification and pathogenicity tests.

2. Describe bacterial zoonoses. Discuss the classification, pathogenesis and laboratory diagnosis of Brucellosis.

3. Write short notes on :

(a) Donovanosis

(b) Erysipeloid

(c) Rapidly growing mycobacteria

(d) Food-poisoning clostridia.

(e) Branhamella catarrhalis

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260

M.D. DEGREE EXAMINATION, SEPTEMBER 1991

Branch IV — Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY

Time : Three hours. Maximum : 100 marks.

Answer ALL questions.

1. Compare and contrast critically bacteriology and infections produced in human beings by Staphylococci and streptococci. (25 marks)

2. Discuss critically about nonsporing anaerobes. (25 marks)

3. Write briefly on :

(a) Halophillic vibrios.

(b) Brucellosis.

(c) Actinomycetes.

(d) Q Fever.

(e) L. G. V.

(5 × 10 = 50 marks)

March-1992

260]

M. D. DEGREE EXAMINATION, MARCH 1992.

Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY

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

Answer ALL the questions.

1. Discuss critically aetiology, Laboratory diagnosis of pyrexia of unknown origin. (25 marks)

2. Discuss morphology, pathogenesis and laboratory diagnosis of Corynebacterium diphtheria. (25 marks)

3. Write briefly on :

(a) Diplococcus pneumonia

(b) Bacill ette Guerine

(c) Mycoplasma

(d) Legionella pneumophila

(e) Bartonella bacilliforms. (5 × 10 = 50 marks)

Septemer-1992

260

M.D. DEGREE EXAMINATION SEPTEMBER, 1992

Branch IV - Microbiology

Paper II - SYSTEMATIC BACTERIOLOGY

Time:Three hours Maximum:100 marks

Answer ALL questions

1. What is the current classification of 'Chlamydiac'? Discuss the genital infections produced by chlamydiae and their laboratory diagnosis. (25 marks)

2. Discuss the cultivation, pathogenicity and laboratory diagnosis of Mycobacterium leprae. Add a note on Leprosy vaccines. (25 marks)

3. Write short notes on:

   (a) Helicobacter pylori and Acid peptic disease.

   (b) Mode of action of cholera toxin

   (c) Laboratory diagnosis of leptospirosis

   (d) Grouping of streptococci

   (e) Lyme's Disease

(5x10=50marks)

November-1993

[PR360]

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Old/New Regulations)

SYSTEMATIC BACTERIOLOGY

Time : Three hours. Maximum : 100 marks.

Answer ALL questions.

1. Discuss the epidemiology of cholera and describe the molecular epidemiology techniques. (25)

2. Describe the laboratory diagnosis of extra pulmonary tuberculosis. (25)

3. Write briefly on :

(*a*) Superantigens.

(*b*) Pneumococcal infections.

(*c*) Animal models for gonococci.

(*d*) Entero-haemorrhagic Escherichia coli.

(*e*) Bacteroides fragilis. (5 × 10 = 50)

April-1994

[VM1060]

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Old/New Regulations)

SYSTEMATIC BACTERIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the infections caused by Chlamydia trachomatis and their diagnosis. (25)

2. Describe the epidemiology, clinical features and diagnosis of tick-borne bacterial diseases. (25)

3. Write briefly on :

(a) Rapid diagnostic tests for bacterial meningitis.

(b) Methicillin resistant Staphylococci.

(c) Diagnosis of Shigellosis.

(d) B.C.G. Vaccine.

(e) Proteocine typing. (5×10=50)

April-1995

[St 160]

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Old/New Regulations)

SYSTEMATIC BACTERIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the laboratory diagnosis of a case of secondary syphilis. Mention the relative merits and demerits of tests currently available. (25)

2. Describe the pathogenesis of infections caused by nonsporing anaerobic gram negative bacilli. (25)

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

(a) Toxic shock syndrome.

(b) Esch. Coli.

(c) Kauffmann–White classification.

(d) Non–specific urethritis.

(e) Multi drug resistance in mycobacteria.

April-1996

[AK-119]

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Old/New/Revised Regulations)

Paper II — SYSTEMIC BACTERIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the bacterial causes and laboratory diagnosis of genital ulcers. (25)

2. Discuss the characteristics of mycobacterium leprae and give a brief account of vaccines against leprosy. (25)

3. Write a short note on : (50)

(a) Group B streptococcus.

(b) Anaerobic septicaemia.

(c) Non-01 vibrios.

(d) Atypical pneumonia.

(e) Acute urethral syndrome.

October-1996

PK 119

M.D. DEGREE EXAMINATION

Branch IV - Microbiology

(Old/New Regulations)

Paper II - SYSTEMATIC BACTERIOLOGY

Time: Three hours Max. marks:100

Answer All Questions

1. Describe the classification, identification and differentiation within the genus Vibrio. Add a note on laboratory diagnosis of Cholera. (25)

2. Give a brief account of Rickettsiae. Discuss the laboratory diagnosis of typhus fever. (25)

3. Write briefly on:

   (a) Aetiopathogenesis of Bacillary dysentery

   (b) Cl. difficile

   (c) Staphylococcal food poisoning

   (d) Trachoma

   (e) H.Influenzae.

(5x10=50)

April-1997

MP 119

M.D. DEGREE EXAMINATION

Branch IV - Microbiology

(New/Revised Regulations)

Paper II - SYSTEMATIC BACTERIOLOGY

Time: Three hours Max.marks:100

Answer All Questions

1. Give an account of genus Clostridium. Discuss the laboratory diagnosis of tetanus.

2. Describe the morphology, cultural characteristics and pathogenesis of Y.pestis. Discuss the recent techniques in the laborat diagnosis of plague. (25)

3. Write briefly on:

   (a) M.R.S.A.

   (b) Meningococcal meningitis

   (c) Antigenic analysis of Salmonella

   (d) Non venereal syphilis

   (e) Nonspecific urethritis.

(5x10=50)

October-1997

MS 118

M.D. DEGREE EXAMINATION

Branch IV - Microbiology

(New/Revised Regulations)

Paper II - SYSTEMATIC BACTERIOLOGY

Time: Three hours Max.marks:100

Answer All Questions

1. Discuss Mycobacterium tuberculosis. (25)

2. Discuss Chlamydia

3. Write briefly on:

   (a) MRSA

   (b) Campylobacter

   (c) Klebosin typing

   (d) Lepromatous leprosy

   (e) Pasteurellosis.

(5x10=50)

April-1998

SV 119

M.D. DEGREE EXAMINATION

Branch IV - Microbiology

(New/Revised Regulations)

Paper II - SYSTEMATIC BACTERIOLOGY

Time: Three hours Max.marks:100

Answer All Questions

1. Describe the classification of genus Shigella. Discuss the pathogenesis and laboratory diagnosis of bacillary dysentery. (25)

2. What are the medically important species of genus Staphylococcus? Describe the toxins and enzymes produced by Staphlococcu aureus. Add a note on the typing methods for staphylococci. (25)

3. Write briefly on:

   (a) Leptospira interrogans

   (b) Mycoplasmas of human origin

   (c) Actinomycetes

   (d) Bordetella species

   (e) Identification of mycobacterium tuberculosis.

(5x10=50)

October-1998

[SM 119]

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(New/Revised Regulations)

Paper II — SYSTEMATIC BACTERIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Give a classified list of sexually-transmitted diseases (STD) with their causative agents. Critically outline the laboratory diagnosis of syphilis. (25)

2. Discuss the aetiology and the laboratory diagnosis of Pelvic inflammatory disease (PID). (25)

3. Write briefly on : (5 × 10 = 50)

   (a) Vi Ag of Salmonella

   (b) Atypical Mycobacteria

   (c) Enterotoxin

   (d) MRSA

   (e) Lab diagnosis of Gas-gangrene.

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April-1999

[SG 119] **Sub. Code : 2018**

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(New/Revised Regulations)

Paper II — SYSTEMATIC BACTERIOLOGY.

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Describe the epidemiology of infections caused by chlamydia trachomatis and discuss appropriate strategies for a diagnostic service. (25)

2. Give an account of penicillin resistant pneumococci. (25)

3. Write briefly on : (5 × 10 = 50)

   (a) Coagulase negative Staphylococcal infections.

   (b) Serological tests for leptospirosis

   (c) Antimicrobial resistance with N. gonorrhoeae

   (d) Mycobacterium avium intracellulare

   (e) Isolation and identification of H. pylori.

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October-1999

[KA 119] **Sub. Code : 2018**

M.D. DEGREE EXAMINATION.

(New/Revised Regulations)

Branch IV — Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the antigenic variations, diseases produced, by SALMONELLAE and the serological tests for the laboratory diagnosis of ENTERIC FEVER. Add a note on their vaccines. (25)

2. Describe the characters and importance of "CORYNEFORM" bacteria. Discuss in detail the pathogenesis, laboratory diagnosis and immunity of Diphtheria. (25)

3. Write briefly on : (5 × 10 = 50)

   (a) Classification of Streptococci

   (b) Surface components of Neisseria

   (c) Buruli ulcer

   (d) Listeria monocytogenes

   (e) Human chlamydial infections.

April-2000

[KB 119] **Sub. Code : 2016**

M.D. DEGREE EXAMINATION

(Old/New/Revised Regulations)

Branch IV — Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY

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

Answer ALL questions.

1. Classify Spirocheates. Discuss the pathogenicity and laboratory diagnosis of Leptospirosis. (25)

2. Give an account of Hansen's Bacillus. Review the development of newer concepts in the Bacteriology and Immunology of leprosy. (25)

3. Write briefly on : (10 × 5 = 50)

   (a) Legionellosis

   (b) Toxic shock syndrome

   (c) Bacteriodes

   (d) Immuno Prophylaxis of tetanus

   (e) Helicobacter pylori.

October-2000

[KC 119] **Sub. Code : 2016**

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(Old/New/Revised Regulations)

Paper II — SYSTEMATIC BACTERIOLOGY

Time : Three hours 'Maximum : 100 marks

Answer ALL questions.

1. Discuss the identification of clinically important species of Mycobacteria. (25)

2. Classify the Campylobacter. Describe its identification and clinical importance of Campylobacter. (25)

3. Write briefly on : (5 × 10 = 50)

   (a) Legionella

   (b) Anaerobic cocci

   (c) IMVIC reaction

   (d) Toxins of clostridium welchii

   (e) Methicillin resistant staphylococci.