

April-2001

[KD 119]

Sub. Code : 2016

M.D. DEGREE EXAMINATION.

Branch IV — Microbiology

(New/Revised Regulations)

Paper II — SYSTEMATIC BACTERIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the organisms responsible for clostridial myositis. Add a note on the pathogenesis of infection and its diagnosis in the laboratory. (25)
2. Discuss the aetiology, pathogenesis and lab diagnosis of pyogenic meningitis. (25)
3. Short notes : (5 × 10 = 50)
 - (a) Lymes disease.
 - (b) Tris agents.
 - (c) Atypical mycobacteria.
 - (d) Rat bite fever.
 - (e) Non-agglutinating vibrios.

November-2001

[KE 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

1. Classify Shigellae. Describe the growth characteristics, biochemical reactions, pathogenicity and typing of Shigellae. (25)
 2. Classify Chlamydiae. Discuss the pathogenicity and laboratory diagnosis of chlamydial infections in man. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Group D streptococci.
 - (b) Morphology and structure of spirochaetes.
 - (c) Gardnerella vaginalis.
 - (d) Laboratory diagnosis of pulmonary and genito urinary tuberculosis.
 - (e) Bordetella species.
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March-2002

[KG 119]

Sub. Code : 2016

M.D. DEGREE EXAMINATION.

(New/Revised Regulations)

Branch IV — Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY

Time : Three hours, Maximum : 100 marks

Answer ALL the questions.

1. Describe the growth characteristics, pathogenicity and typing of Haemophilus species. (25)
 2. Describe the different methods of classifying streptococci. Discuss the usefulness of different tests done for the laboratory diagnosis of streptococcus pyogenes infections and their complications. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Cell wall of mycobacterium.
 - (b) Actinomyces.
 - (c) Shigellae.
 - (d) Anaerobic bacteria.
 - (e) Diagnosis of brucellosis in humans.
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September-2002

[KH 119]

Sub. Code : 2016

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Microbiology

Paper II — SYSTEMATIC BACTERIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the morphology, cultural characteristics, pathogenesis and laboratory diagnosis of 'Helicobacter Pylori'. (25)
 2. Enumerate the agents causing acute diarrhoeal diseases. Describe the laboratory diagnosis of acute bacillary dysentery. (25)
 3. Short notes : (5 × 10 = 50)
 - (a) Legionella pneumophilia
 - (b) Multi drug resistance in mycobacteria
 - (c) Lymes disease
 - (d) Group-B streptococci
 - (e) Imvic reaction.
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April-2003

[KI 119]

Sub. Code : 2016

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Microbiology

Paper II — SYSTEMIC BACTERIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Enumerate non sporing gram positive bacilli? Discuss laboratory diagnosis, pathogenicity and immunoprophylaxis of corynaebacterium diphtheria.(25)
 2. Mention the organisms that cause bacterial pyogenic meningitis. Explain the epidemiological and laboratory investigation and management of meningococcal meningitis. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Nosocomial infections
 - (b) Nongonococcal urethritis
 - (c) Nagler reaction.
 - (d) Solmonella food poisoning
 - (e) Brill-Zinser's disease.
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[KL 119]

Sub. Code : 2016

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Microbiology

Paper II — SYSTEMIC BACTERIOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Discuss the laboratory isolation and classification of non spore forming anaerobes.

(2) Classify spirochetes. Discuss the laboratory diagnosis of syphilis. Mention the merits and demerits of serological tests for syphilis.

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

- (a) NAG vibrios
- (b) HACEK group bacteria
- (c) EHEC

- (d) Atypical mycobacteria
 - (e) Bartonella species
 - (f) Cl. defficile
 - (g) Actionmycetes
 - (h) Lymes' disease
 - (i) Group B streptococci
 - (j) Toxic shock syndrome.
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