

Question Paper

Exam Date & Time: 01-Mar-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B.Sc. RESPIRATORY THERAPY DEGREE EXAMINATION - FEB/MAR 2019
SUBJECT: BRES 205 - PULMONARY DISEASES
(2016 SCHEME)
Friday, March 01, 2019 (14.00 - 16.00)

Marks: 50

Duration: 120 mins.

Long answer question:

- 1) Define Type I and Type II respiratory failure. List any three causes of Type I respiratory failure. With the help of an example, explain the pathophysiology of Type I respiratory failure. (10)
(2+3+5 = 10 marks)
- 2) Name the causative agent of pulmonary tuberculosis. How is it diagnosed? (10)
(1+9 = 10 marks)

3. Short notes:

- 3A) Pathophysiology of lung abscess? (5)
- 3B) Pathophysiology of cardiogenic pulmonary edema? (5)
- 3C) Reid classification of Bronchiectasis. (5)
- 3D) Differentiate between transudative and exudative pleural effusion. (5)

4. Very short notes:

- 4A) List the types of patient records. (2)
- 4B) List the chest X-ray features of pneumonia. (2)
- 4C) List two etiology causes of Laryngotracheobronchitis. (2)
- 4D) List the classification of pneumothorax. (2)
- 4E) Draw a flow - volume loop obtained when a person diagnosed with Kyphoscoliosis does pulmonary function test. (2)

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Question Paper

Exam Date & Time: 26-Feb-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B.O.T./ B.Sc. P.F.T./ BPT/ B.Sc. C.V.T./B.Sc. R.T./ B.Sc. M.I.T./B.Sc. RRT&DT DEGREE

EXAMINATION - FEB/MAR 2019

**SUBJECT : MICR 201 - MICROBIOLOGY
(2016 SCHEME)**

Tuesday, February 26, 2019 (14.00 - 16.00)

Answer ALL questions:

Marks: 50

Duration: 120 mins.

- 1) Explain the etio-pathogenesis and laboratory diagnosis of pulmonary tuberculosis. (10)
(1+4+5 = 10 marks)
- 2) Explain any THREE mechanisms of autoimmunity. Name TWO autoimmune diseases each involving single and multiple organ or system. (10)
(6+4 = 10 marks)

3. Write short notes on:

- 3A) Laboratory diagnosis of pneumococcal meningitis. (5)
- 3B) Investigation of hospital acquired infections. (5)
- 3C) Etio-pathogenesis of streptococcal skin infections. (5)
- 3D) Laboratory diagnosis of hepatitis B virus infection. (5)

4. Answer the following questions:

- 4A) Name FOUR predisposing factors for urinary tract infections. (2)
- 4B) Name TWO vaccines used for the prevention of poliomyelitis. (2)
- 4C) Write TWO functions of cell mediated immunity. (2)
- 4D) Name TWO disinfectants with their mode of action. (2)
- 4E) List any FOUR organisms causing sexually transmitted diseases. (2)

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