

MICROBIOLOGY - PAPER-II (SET – A)

(Multiple Choice Questions)

Time : 20 Minutes

Max. Marks: 20

Note: Answer all questions.

SECTION-I (MCQs- 20 MARKS)

1x20=20

- 1) Atherosclerosis of coronary arteries is associated with infection by
 - a. Chlamydiae pneumina
 - b. Legionella pneumophila
 - c. Mycoplasma pneumoniae
 - d. D Klebsiella pneumoniae
- 2) Malignant otitis externa in elderly diabetic patients is caused by
 - a. Burkholderia pseudomallei
 - b. Pseudomonas aeruginosa
 - c. Acinetobacter baumannii
 - d. Stenotrophomonas maltophila
- 3) The composition of Trivalent influenza vaccine does not include
 - a. A/H1N1 strain
 - b. A/H3N2 strain
 - c. A/H5N1 strain
 - d. Influenza B strain
- 4) A 20 year old female college student presents with fever, sore throat and cervical lymphadenopathy. Paul Bunnell test was positive and peripheral blood examination reveals atypical lymphocytosis. The presentation is most likely caused by
 - a. Cytomegalovirus
 - b. Epstein-Barr virus
 - c. Adeno virus
 - d. Rhino virus
- 5) The drug of choice for pneumonia caused by Pneumocystis jirovecii is
 - a. Cotrimoxazole
 - b. Amphotericin B
 - c. Itraconazole
 - d. Flucytosine
- 6) CSF analysis reveals elevated leukocyte count with predominant neutrophils, decreased glucose levels and increased protein levels. The presentation most likely refers to
 - a. Normal CSF analysis
 - b. Pyogenic meningitis
 - c. Viral meningitis
 - d. Tuberculous meningitis

- 7) The etiological agent of Hand foot and mouth disease is
 - a. Coxsackie virus
 - b. Polio virus
 - c. Herpes simplex virus
 - d. Enterovirus 72
- 8) One of the following Arboviral infection is not seen in India
 - a. Dengue
 - b. Japanese encephalitis
 - c. Yellow fever
 - d. West Nile encephalitis
- 9) Pathognomonic feature of Rabies is
 - a. Negri bodies
 - b. Guarnieri bodies
 - c. Molluscum bodies
 - d. Torres body
- 10) Toxoplasma gondii infection in AIDS patients usually presents as
 - a. Lymphadenopathy
 - b. Encephalitis
 - c. Chorioretinitis
 - d. Pneumonia
- 11) A Gram negative bacillus with lactose fermenting colonies on MacConkey agar was isolated from a patient presented with urinary tract infection. It was oxidase negative, catalase positive, indole positive, methyl red reaction positive. The pathogen is most likely
 - a. Klebsiella pneumoniae
 - b. Pseudomonas aeruginosa
 - c. Proteus vulgaris
 - d. Escherichia coli
- 12) Drug of choice for Syphilis is
 - a. Penicillin
 - b. Ciprofloxacin
 - c. Ceftriaxone
 - d. Azithromycin
- 13) Clue cells are useful in diagnosis of
 - a. Vaginal candidiasis
 - b. Trichomonal vaginitis
 - c. Bacterial vaginosis
 - d. Chancroid

- 14) Most common cause of non gonococcal urethritis is
- Chlamydia trachomatis
 - Mycoplasma hominis
 - Ureaplasma urealyticum
 - Candida albicans
- 15) A 25 year old sexually active male presents with genital ulcers which are painful, multiple, tiny and vesicular in nature. He gives a history of similar episode in the past 1 year. The most likely disease is
- Donovanosis
 - Lymphogranuloma venereum
 - Genital herpes
 - Chancroid
- 16) A 20 year old male presents with keratitis. Wet mount examination of Corneal scrapings reveals trophozoites with spine like pseudopodia. The most likely pathogen is
- Toxoplasma gondii
 - Trypanosome cruzi
 - Acanthamoeba species
 - Onchocerca volvulus
- 17) The classic triad of congenital rubella syndrome does not include
- Ear defect
 - Ocular defects
 - Cardiac defects
 - CNS defects
- 18) One of the following is not a oncogenic virus
- Epstein barr virus
 - Cytomegalo virus
 - Human herpes virus 8
 - Human papilloma virus
- 19) The drug of choice for rat bite fever is
- Penicillin
 - Ciprofloxacin
 - Ceftriaxone
 - Azithromycin
- 20) Plague is transmitted by
- Sand fly
 - Rat flea
 - Hard tick
 - Soft tick

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008
M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2022
SECOND M.B.B.S. EXAMINATION
MICROBIOLOGY - PAPER-II (SET –B)
(Multiple Choice Questions)

Time : 20 Minutes

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SECTION-I (MCQs- 20 MARKS)

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- 1) A 20 year old female college student presents with fever, sore throat and cervical lymphadenopathy. Paul Bunnell test was positive and peripheral blood examination reveals atypical lymphocytosis. The presentation is most likely caused by
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 - c. Rhino virus
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 - a. A/H1N1 strain
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- 3) Malignant otitis externa in elderly diabetic patients is caused by
 - a. Pseudomonas aeruginosa
 - b. Acinetobacter baumannii
 - c. Stenotrophomonas maltophilia
 - d. Burkholderia pseudomallei
- 4) Atherosclerosis of coronary arteries is associated with infection by
 - a. Mycoplasma pneumoniae
 - b. D Klebsiella pneumonia
 - c. Chlamydiae pneumoniae
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- 5) One of the following Arboviral infection is not seen in India
 - a. Yellow fever
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Contd ... 2

- 7) CSF analysis reveals elevated leukocyte count with predominant neutrophils, decreased glucose levels and increased protein levels. The presentation most likely refers to
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- 8) The drug of choice for pneumonia caused by *Pneumocystis jirovecii* is
 - a. Flucytosine
 - b. Cotrimoxazole
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 - d. Itraconazole
- 9) Drug of choice for Syphilis is
 - a. Ceftriaxone
 - b. Azithromycin
 - c. Penicillin
 - d. Ciprofloxacin
- 10) A Gram negative bacillus with lactose fermenting colonies on MacConkey agar was isolated from a patient presented with urinary tract infection. It was oxidase negative, catalase positive, indole positive, methyl red reaction positive. The pathogen is most likely
 - a. *Proteus vulgaris*
 - b. *Escherichia coli*
 - c. *Klebsiella pneumoniae*
 - d. *Pseudomonas aeruginosa*
- 11) *Toxoplasma gondii* infection in AIDS patients usually presents as
 - a. Lymphadenopathy
 - b. Encephalitis
 - c. Chorioretinitis
 - d. Pneumonia
- 12) Pathognomonic feature of Rabies is
 - a. Molluscum bodies
 - b. Torres body
 - c. Negri bodies
 - d. Guarneri bodies
- 13) A 20 year old male presents with keratitis. Wet mount examination of Corneal scrapings reveals trophozoites with spine like pseudopodia. The most likely pathogen is
 - a. *Acanthamoeba* species
 - b. *Onchocerca volvulus*
 - c. *Toxoplasma gondii*
 - d. *Trypanosoma cruzi*

- 14) A 25 year old sexually active male presents with genital ulcers which are painful, multiple, tiny and vesicular in nature. He gives a history of similar episode in the past 1 year. The most likely disease is
- Genital herpes
 - Chancroid
 - Donovanosis
 - Lymphogranuloma venereum
- 15) Most common cause of non gonococcal urethritis is
- Ureaplasma urealyticum
 - Candida albicans
 - Chlamydia trachomatis
 - Mycoplasma hominis
- 16) Clue cells are useful in diagnosis of
- Bacterial vaginosis
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- 17) Plague is transmitted by
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- 19) One of the following is not a oncogenic virus
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 - Human papilloma virus
 - Epstein barr virus
 - Cytomegalo virus
- 20) The classic triad of congenital rubella syndrome does not include
- Cardiac defects
 - CNS defects
 - Ear defect
 - Ocular defects

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