

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, LUCKNOW**MBBS DEGREE - IInd PROFESSIONAL - SUPPLEMENTARY EXAMINATION - JUNE 2024****MICROBIOLOGY - PAPER - II****SECTION A - Multiple Choice Questions (MCQs)**

PAPER CODE : 2422130006

SET : A

Note: Choose one correct answer in the OMR sheet provided. No overwriting should be done.

Time: 20 Minutes

(20 x 1 = 20 MARKS)

1. The following viruses causes zoonotic infection except:
 - a) Japanese encephalitis
 - b) Yellow fever
 - c) Chikungunya
 - d) Hepatitis B virus
2. Which of the following is flesh eating bacteria?:
 - a) Streptococcus aureus
 - b) Clostridium perfringens
 - c) Group A streptococcus
 - d) Streptococcus pneumoniae
3. A 30 year old man comes with history of repeated episodes of haematuria. On urine examination a parasitic ova is detected. The infection is most likely to be due to:
 - a) Schistosoma haematobium
 - b) Schistosoma japonicum
 - c) Schistosoma mansoni
 - d) Heterophyes heterophyes
4. A 30 year old man complains of urethral discharge and painful urination. A gram stain of the discharge shows many neutrophils but no gram negative diplococci. The most likely causative agent is:
 - a) Treponema pallidum
 - b) Neisseria gonorrhoeae
 - c) Candida albicans
 - d) Ureaplasma urealyticum
5. Which of the following gives alpha haemolysis on blood agar:
 - a) Streptococcus pyogenes
 - b) Streptococcus pneumoniae
 - c) Staphylococcus aureus
 - d) Staphylococcus epidermidis

6. What is the causative agent of scabies?:
- a) *Sarcoptes scabiei*
 - b) *Dermatophagoides* spp
 - c) *Tunga* spp
 - d) *Laelaps echidna*
7. Which serotypes of *Chlamydia trachomatis* cause lymphogranuloma venereum?:
- a) A to C
 - b) L1 to L3
 - c) D to K
 - d) *Chlamydia pneumoniae*
8. Which of the following is not a common cause of neonatal meningitis?:
- a) *E. coli*
 - b) *Listeria monocytogenes*
 - c) *Streptococcus agalactiae*
 - d) *Streptococcus pneumoniae*
9. *Leishmania donovani* causes:
- a) Sleeping sickness
 - b) Kala azar
 - c) Malaria
 - d) Chagas disease
10. Wool Sorter's disease is caused by:
- a) *Bacillus anthracis*
 - b) *Yersinia pestis*
 - c) *Staphylococcus aureus*
 - d) *Rhodococcus equi*
11. The most commonly used method of isolation of *Chlamydia* is:
- a) Culture on artificial media
 - b) Inoculation into guinea pig eye
 - c) Culture on Vero cell line
 - d) Culture on McCoy cell
12. Wrong about Trichomoniasis is:
- a) Falling leaf motility seen
 - b) Whiff test is positive
 - c) Discharge is profuse purulent
 - d) Causative agent is *Trichomonas vaginalis*

13. A new born baby presented with mucopurulent discharge from eye 8 day after birth, most probable causative agent for this condition is:

- a) Chlamydia trachomatis
- b) Neisseria gonorrhoeae
- c) Staphylococcus aureus
- d) Streptococcus pneumoniae

14. Asteroid bodies are observed in:

- a) Sporotrichosis
- b) Candidiasis
- c) Histoplasmosis
- d) Chromoblastomycosis

15. Oriental sore is caused by:

- a) L. mexicana
- b) L. braziliensis
- c) L. tropica
- d) L. chagasi

16. Principle toxin responsible for gas gangrene is:

- a) Alpha toxin
- b) Eta toxin
- c) Theta toxin
- d) Delta toxin

17. Hand-foot-mouth disease is caused by:

- a) HSV
- b) Coxsackie virus
- c) Chickenpox
- d) Measles

18. Bipolar staining is characteristic of:

- a) Klebsiella
- b) Proteus
- c) Shigella
- d) Yersinia pestis

19. Etiological agent of soft chancre is:

- a) Treponema pallidum
- b) Chlamydia trachomatis
- c) Haemophilus ducreyi
- d) Herpes simplex virus

20. An outbreak of surgical site infection caused by *Staphylococcus aureus* has occurred in an ICU. To investigate it, which of the following sample would most likely yield the organism?:

- a) Rectal swab
- b) Ear swab
- c) Nasal swab
- d) Throat swab

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