

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

PAPER CODE : 2412130006

SET : C

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

Time: 20 Minutes

(20 x 1 = 20 MARKS)

1. Pathogenic fungus that produces spindle shaped macroconidia is:
 - a) Microsporum spp
 - b) Epidermophyton spp
 - c) Penicillium spp
 - d) Trichophyton spp
2. Weil-Felix reaction is a serological test based on which of the following antigens?:
 - a) Sheep brain
 - b) Superantigen
 - c) Heterophile
 - d) T-cell dependent antigen
3. The coagulase test is used to differentiate:
 - a) Staphylococcus aureus from Staphylococcus epidermidis
 - b) Streptococcus pyogenes from Staphylococcus aureus
 - c) Staphylococcus epidermidis from Neisseria meningitidis
 - d) Streptococcus pyogenes from Enterococcus faecalis
4. The causative agent of Favus is:
 - a) Microsporum canis
 - b) Trichophyton mentagrophyte
 - c) Microsporum audouinii
 - d) Trichophyton schoenleinii
5. Characteristic malignant pustule is feature of infection by:
 - a) Anthrax
 - b) Carcinoma
 - c) Rubella
 - d) Diphtheria

6. In postoperative intensive care unit five patients developed post operative wound infection. Which of the following is the best method to prevent cross infection?:
- a) Give antibiotics to other patients in the ward
 - b) Fumigate the ward
 - c) Practice proper hand hygiene
 - d) Disinfect the ward
7. Which of the following bacteria produces typical fried egg appearance colonies on solid media?:
- a) *Moraxella catarrhalis*
 - b) *Mycoplasma hominis*
 - c) *Mycobacterium tuberculosis*
 - d) *Bacteroides*
8. CRP is used as a biomarker for assessing which of the following conditions?:
- a) Sepsis
 - b) Renal threshold
 - c) Risk of cardiovascular diseases
 - d) Liver failure
9. Which of the following viruses contain RNA as the nucleic acid?:
- a) Hepatitis B virus
 - b) Adenovirus
 - c) Rhinovirus
 - d) Herpes virus
10. Which of the following bacteria protect adult vagina from infections?:
- a) *Peptococcus*
 - b) *Veillonella*
 - c) *Lactobacilli*
 - d) *Bacteroides*
11. Which of the following STI produces painful genital ulcers and painful lymph nodes?:
- a) Chancroid
 - b) Herpes
 - c) Syphilis
 - d) Donovanosis

12. Which of the following toxin is responsible for staphylococcal scalded skin syndrome?:

- a) Leucocidin
- b) Haemolysin
- c) Enterotoxin A
- d) Exfoliative toxin

13. Which of the following is the most common central nervous system parasitic infection?:

- a) Paragonimas
- b) Sparganosis
- c) Echinococcus
- d) Neurocysticercosis

14. Which of the following viruses can cause erythema infectiosum?:

- a) Parvovirus B19
- b) BK Polyomavirus
- c) Coronavirus
- d) JC Polyomavirus

15. All of the following diseases are transmitted by droplet particles except:

- a) Coronavirus
- b) Haemophilus influenzae
- c) Mycoplasma pneumoniae
- d) Chlamydia trachomatis

16. Which of the following viruses is likely to cause infection through skin abrasions?:

- a) Papillomavirus
- b) Rhinovirus
- c) Adenovirus
- d) Rotavirus

17. Latency for several years (especially in neural cells) is known to occur with which of the following viruses?:

- a) Herpesviruses
- b) Rhabdoviruses
- c) Picornaviruses
- d) Flaviviruses

18. Next to Hib, which strains are the most common group of H. influenzae encountered clinically?:

- a) Serotype d strains
- b) Serotype c strains
- c) Serotype a strains
- d) Non-typeable strain

19. The filarial worm that can be seen in the conjunctiva is:

- a) Mansonella ozzardi
- b) Loa loa
- c) Mansonella perstans
- d) Onchocerca volvulus

20. Which of the following bacteria can cause swimming pool granuloma?:

- a) M. ulcerans
- b) M. fortuitum
- c) M. marinum
- d) M. avium

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