

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2019-2020)

SECOND PROFESSIONAL – (CBME)

PAPER II – MICROBIOLOGY

Q.P. Code: 526066

Time: 20 Minutes**Maximum : 20 Marks**

Answer All Questions

Shade the correct answer with Black or Blue ink ball point pen

SET - A

III. Multiple Choice Questions:**(20 x 1 = 20)**

1. Which microfilaria is unsheathed and shows nuclei extending to the tail tip?
A) Wuchereria bancrofti B) Brugia malayi
C) Mansonella perstans D) Loa loa
2. Pilot Wheel Appearance sign in methenamine silver stain is a characteristic feature of which fungal infection?
A) Histoplasmosis B) Blastomycosis
C) Paracoccidioidomycosis D) Coccidioidomycosis
3. Which of the following findings is characteristic of Plasmodium falciparum in a peripheral blood smear?
A) Presence of Schüffner's dots B) Multiple ring forms within a single RBC
C) Oval-shaped infected RBCs D) Amoeboid trophozoites with prominent chromatin
4. Which bacterium belongs to the HACEK group?
A) Haemophilus influenza B) Eikenella corrodens
C) Campylobacter jejuni D) Erysipelothrix rhusiopathiae
5. Which of the following correctly matches the intermediate host with the tapeworm species?
A) Pig – Taenia saginata B) Cow – Taenia solium
C) Pig – Taenia solium D) Cow – Echinococcus granulosus
6. Hepatitis E virus is primarily transmitted through:
A) Blood transfusion B) Vertical transmission
C) Faeco-oral route D) Sexual contact
7. Which test is used to demonstrate toxin production by Corynebacterium diphtheriae?
A) Elek test B) Schick test C) Weil-Felix test D) Dick test
8. Which of the following is correctly matched with its clinical manifestation?
A) M. marinum – Buruli ulcer B) M. ulcerans – Swimming pool granuloma
C) M. marinum – Swimming pool granuloma D) M. ulcerans – Oral thrush
9. Which parasite most commonly produce lung infection by consuming raw crab:
A) Ophisthorchis viverrini B) Paragonimus werstermani
C) Clonorchis sinensis D) Onchocerca volvulus

10. Which adenovirus strain is commonly associated with epidemic keratoconjunctivitis?
A) Type 3 B) Type 5 C) Type 8 D) Type 1
11. Which late complication is associated with persistent measles virus infection?
A) Reye's syndrome B) Acute disseminated encephalomyelitis
C) Subacute sclerosing panencephalitis D) Encephalitis lethargica
12. Disease associated with Clue cells on saline wet mount, fishy odour with KOH
Diagnosis?
A) Bacterial vaginosis B) Trichomaniasis C) Candidiasis D) Gonorrhea
13. Which condition is associated with Parvovirus B19 infection in sickle cell disease patients?
A) Hemolysis B) Splenomegaly C) Aplastic crisis D) Leukocytosis
14. The most common poliovirus serotype associated with vaccine associated paralytic poliomyelitis is:
A) Sabin Type 1 B) Sabin Type 2 C) Sabin Type 3 D) Sabin Type 4
15. Farmer develops fever, hepatosplenomegaly and undulant fever after consuming raw milk. Organism responsible for this condition?
A) Brucella mellitensis B) Leptospira interrogans
C) Coxiella burnetii D) Yersinia pestis
16. Which infection typically presents with a "strawberry" appearance of the vaginal mucosa?
A) Yeast infection B) Bacterial vaginosis
C) Trichomonas infection D) Gonococcal cervicitis
17. Brazilian purpuric fever is caused by:
A) Haemophilus aegyptius B) Neisseria meningitidis
C) Rickettsia rickettsii D) Streptococcus pyogenes
18. Traveller's diarrhea is most commonly caused by:
A) Enteroinvasive Escherichia coli B) Enterotoxigenic Escherichia coli
C) Enteropathogenic Escherichia coli D) Enteroaggregative Escherichia coli
19. Winter vomiting disease or gartric flu is caused by:
A) Rotavirus B) Norwalkvirus C) Adenovirus D) Astrovirus
20. Calabar swelling is associated with infection caused by which filarial parasite?
A) Loa loa B) Wuchereria C) Onchocerca D) Brugia malayi

[MBBS 0725]