

Total No. of Questions - 19] [Total No. of Printed Pages-4

M.B.B.S. II Professional Examination

MB-II/12(R)

234121

Microbiology

Paper-II

(New Course)

Time Allowed : 3 Hours

Maximum Marks : 100

1. Attempt All questions.
2. Draw well Labelled diagrams wherever required.

Multiple choice questions.

(10×2=20)

1. All of the following species of *Clostridium* may cause gas-gangrene EXCEPT:
 - a. *Clostridium perfringens*
 - b. *Clostridium novyi*
 - ☒ c. *Clostridium difficile*
 - d. *Clostridium septicum*
2. Drumstick appearance of spores is a characteristic of:
 - a. *Clostridium perfringens*
 - ☒ b. *Clostridium tetani*
 - c. *Clostridium difficile*
 - d. *Clostridium septicum*

W.C. 05

(2)

MB-II/12(R)-234121

3. Which of the following is responsible for pseudo-membrane colitis? 7.
- Clostridium perfringens*
 - Clostridium novyi*
 - ☒ *Clostridium difficile*
 - Clostridium botulinum*
- Which of the following is the most common cause of septic arthritis? 8.
- ☒ *Staphylococcus aureus*
 - Escherichia coli*
 - Proteus mirabilis*
 - Bacillus species*
5. Which of the following is the most common cause of osteomyelitis?
- ☒ *Streptococcus pneumoniae*
 - ☒ *Staphylococcus aureus*
 - Group B *Streptococcus*
 - ☒ *Bacillus species*
6. The most common cause of furuncle is?
- Streptococcus pneumoniae*
 - ☒ *Staphylococcus aureus*
 - Group B *Streptococcus*
 - Pseudomonas aeruginosa*

(3)

MB-11/12(R)-234121

7. Which of the following is the most common cause of myonecrosis?
- Streptococcus pneumoniae
 - Staphylococcus aureus
 - ☒ Clostridium perfringens
 - Candida albicans
8. Which of the following viruses may cause viral meningitis?
- Enteroviruses
 - Arboviruses
 - Herpes simplex
 - ☒ All of the above
9. Which of the following may cause acute bacterial meningitis?
- Neisseria meningitidis
 - Streptococcus pneumoniae
 - Staphylococcus aureus
 - Haemophilus influenzae
 - ☒ All of the above
10. Which of the following parasites may cause meningitis?
- Acanthamoeba
 - Nagleria
 - Toxoplasma gondii
 - ☒ All of the above

(4)

MB-II/12(R)-234121

Long answer questions.

(4×10=40)

1. Classify clostridia? Discuss the laboratory diagnosis of gas gangrene.
2. Enumerate the virus causing meningitis and describe the laboratory diagnosis of viral meningitis.
3. Enumerate the causative agents of upper respiratory tract infections and describe the laboratory diagnosis of sore throat.
4. Enumerate the causative agents of genitourinary infections and describe the laboratory diagnosis of gonococcal urethritis.

Short notes.

(5×8=40)

1. Nagler reaction.
2. Non-gonococcal urethritis (NGU)
3. Asymptomatic bacteriuria.
4. Viral zoonoses.
5. Emerging infections.