

(6 Pages)

Reg. No. :

Code No. : 10037 E Sub. Code : GMMI 62

B.Sc. (CBCS) DEGREE EXAMINATION,
APRIL 2020.

Sixth Semester

Microbiology — Main

CLINICAL MICROBIOLOGY

(For those who joined in July 2012 – 2015)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL the questions.

Choose the correct answer :

1. Virulence factors of microbes
 - (a) Fimbriae
 - (b) Toxin
 - (c) Plasmid
 - (d) All the above

2. Ureaplasma urealyticum present in
 - (a) gastrointestinal tract
 - (b) mouth
 - (c) genitourinary tract
 - (d) None of these
3. Alkaline peptone water used for transport of specimen
 - (a) sputum (b) stool
 - (c) pus (d) skin
4. VDRL test used for diagnosis of
 - (a) food poisoning (b) leptospirosis
 - (c) syphilis (d) trichomoniasis
5. Optochin sensitivity test used for identification of
 - (a) streptococcus (b) pneumococcus
 - (c) staphylococcus (d) klebsiella
6. Typhoid fever caused by
 - (a) Salmonella typhi
 - (b) Salmonella paratyphi 'A'
 - (c) Salmonella paratyphi B
 - (d) E. Coli

7. MMR vaccine used for
- (a) Measles
 - (b) Mumps
 - (c) Rubella
 - (d) All of these
8. Infective hepatitis is
- (a) Hepatitis A virus
 - (b) Hepatitis B virus
 - (c) Hepatitis C virus
 - (d) Hepatitis D virus
9. Malarial disease caused by
- (a) Plasmodium vivox
 - (b) Plasmodium talciparum
 - (c) Both (a) and (b)
 - (d) None of these
10. Elephandiasis disease caused by
- (a) Leishmania
 - (b) Filaria
 - (c) Tryponosoma
 - (d) Ascaris

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Briefly write about role of normal microbial flora in human.

Or

- (b) Classify different types of infection.

12. (a) Write notes on Zel Nelson staining.

Or

- (b) Briefly write about EIA.

13. (a) Write short notes on importance of MRSA.

Or

- (b) Short note on tetanus.

14. (a) Briefly write about Japanese encephalitis.

Or

- (b) Differentiate HSVI and HSVII and its importance.

15. (a) Write about wood lamp test and its important.

Or

- (b) Discuss zoonotic diseases.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Discuss normal microbial flora of human body.

Or

- (b) Discuss different source of infection.

17. (a) Write about different type of clinical specimen collection and transport from infected persons?

Or

- (b) Discuss about factors predisposing to microbial pathogenity.

18. (a) Explain rabies virus pathogenesis and laboratory diagnosis.

Or

- (b) Discuss clinical features of HIV infection.

19. (a) Discuss about cholera disease pathogenesis and laboratory diagnosis.

Or

- (b) Briefly explain anaerobic wound infection.

20. (a) Discuss about superficial mycosis.

Or

- (b) Write about elephantiasis and its diagnostic methods.
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