

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain the Principle procedure and observation of Ziehl-Nelson's stain
- Q.37 Explain this structure functioning and maintenance of the electron microscope.
- Q.38 Describe internal and external structure of bacteria.

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Roll No.

1st Sem./Branch : DMLT Subject:- Clinical microbiology-I

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Mycobacteria is causative organism of
a) Typhoid b) Scarlet
c) Kala azar d) T.B.
- Q.2 Culture media is used for the -
a) Growth of blood cell
b) Growth of animal tissue
c) Growth of micro organism
d) All of above
- Q.3 Which is a gram negative bacteria .
a) Streptococcus b) E.Coli
c) Pneumococcus d) Staphylococcus
- Q.4 Typhoid fever is caused by.
a) Vibrio b) Salmonella
c) E-coli d) T.Palladium.
- Q.5 AFB stand for
a) Acid fast bacilli b) Acid fat bacilli
c) All of the above d) None of these

- Q.6 _____ is the purpose of bacterial examination
- a) To detect blood cell b) To detect pus cell
c) To detect bacteria d) All of the above
- Q.7 Which nuclear material present in bacteria :
- a) DNA b) RNA
c) both (a) and (b) d) None of these
- Q.8 Gram positive bacteria show colour.
- a) Pink b) Blue
c) Green d) Black
- Q.9 Autoclave temp should be
- a) 170C,15 LBS b) 110C,11 LBS
c) 121C,15 LBS d) 151C,18 LBS
- Q.10 Staining used for MTb.
- a) Gram b) AFB
c) Negative d) Capsule

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.10 What is clinical microbiology?
- Q.12 Write the name of any two antiseptics.
- Q.13 Write the principle of autoclave.
- Q.14 Give the uses of pili.
- Q.15 What are Selective media?
- Q.16 What are broth ?
- Q.17 Who is the father of microbiology?
- Q.18 Name two gram -ve bacteria.
- Q.19 Explain AFB.
- Q.20 The size of bacteria is.

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SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Discuss in detail about the bacterial growth curve.
- Q.22 Write a short note on selective media.
- Q.23 Differentiate between Industrial and medical microbiology.
- Q.24 Describe the function of the capsule in bacteria.
- Q.25 Write the procedure of gram stain.
- Q.26 Write a short note on Spirochaete.
- Q.27 What are smears? Give their method of preparation.
- Q.28 Discuss the types of culture media.
- Q.29 Discuss in detail about chemical sterilization.
- Q.30 Write the procedure of gram stain.
- Q.31 Write the principle of MR & VP tests.
- Q.32 What is catalase test?
- Q.33 Write a short note on transport media.
- Q.34 Discuss types of microscope along with its care and maintenance.
- Q.35 Write a short note on the history of microbiology.

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