

S.Y. B.SC. (NURSING) (2007 COURSE) : WINTER- 2018

SUBJECT : MICROBIOLOGY

Day : Thursday

Time : —

Date : 04-10-2018

W-2018-4020

Max. Marks : 15

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Put a tick mark in the appropriate box below the question number once only.
- 3) Use blue / black ball point pen only.
- 4) Each question carries **ONE** mark.
- 5) Section – I should be completed within **15** minutes.
- 6) Students will not be allotted marks if he/she overwrites, strikes or put on the cross once marked.

Seat No. _____

Total Marks Obtained. _____

Jr. Supervisor's Signature. _____

Examiner's Signature. _____

SECTION – I

M.C.Qs

1) _____ is an example of antibiotic acting on 50-S ribosome.

- a) Streptomycin
- b) Chlorphenicol
- c) Penicillin
- d) Rifampicin

2) Wasserman test is used in diagnosis of _____.

- a) Typhoid
- b) TB
- c) Syphilis
- d) Gonorrhoea

3) Father of microbiology is _____.

- a) E Jenner
- b) Lister
- c) R Koch
- d) L Pasteur

4) Sterilization ensures _____.

- a) Destruction of vegetative cell only
- b) Destruction of both vegetative cell and spore
- c) Destruction of pathogenic bacteria only
- d) Destruction of nonpathogenic bacteria only

P.T.O.

- 5) Peripheral blood smear is done for _____.
- a) E-histolytica
 - b) Tuberculosis
 - c) Malaria
 - d) Ascaris
- 6) Negative tuberculin test is found in all EXCEPT.
- a) Military tuberculosis
 - b) Measles
 - c) Severe malnutrition
 - d) Atypical mycobacterial infection
- 7) Impregnation method is used for demonstration of _____.
- a) Flagella
 - b) Cell wall
 - c) Cytoplasmic membrane
 - d) DNA
- 8) Viral mediated transmission of genetic material in bacteria is known as _____.
- a) Transformation
 - b) Transcription
 - c) Transduction
 - d) Conjugation
- 9) Which of the following types of media would not be used to culture aerobes?
- a) Selective media
 - b) Reducing media
 - c) Enrichment media
 - d) Differential media
- 10) Method of transmission of syphilis is _____.
- a) Direct inoculation
 - b) Contact
 - c) Congenital
 - d) Both 'b' and 'c'

- 11) Which of the following is the pathogen of Q fever?
- a) Coxiella burnetii
 - b) Rickettsia australis
 - c) Bartonella Quintana
 - d) Bartonella bacilliformis
- 12) Which of the following is INCORRECT about Mycobacterium?
- a) It belongs to phylum Firmicutes.
 - b) It is aerobic and nonmotile.
 - c) It is acid fast Gram – positive.
 - d) Cell wall is waxy and rich in mycolic acids.
- 13) Most common enterobacteria causing urinary tract infection is _____.
- a) Klebsiella
 - b) Salmonella
 - c) Escherichia coli
 - d) Shigella
- 14) About 80 – 90% of the fungal cell wall is made up of _____.
- a) Cellulose
 - b) Chitin
 - c) Proteins
 - d) Lipids
- 15) Passive immunity is obtained by injecting _____.
- a) Antibiotics
 - b) Antigen
 - c) Antibodies
 - d) Vaccines

S.Y.B.Sc (Nursing) 2007 Course : Winter-2018

SUBJECT : MICROBIOLOGY

Day : Thursday
Date : 04/10/2018

Time : 10.00 A.M. TO 01.00 P.M.
Max. Marks : 60

W-2018-4020

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.

SECTION – II

Q.2 Write short notes on **ANY FOUR** of the following: [16]

- a) Paul Ehrlich
- b) Classification of immunity
- c) Methods of culture
- d) Chemical methods of sterilization
- e) Acid fast stain
- f) Morphology of bacteria

Q.3 Classify disinfection. Name some common disinfectants. What are [14]
characteristic features of an ideal disinfectant?

OR

Write a note on Biomedical waste and its management.

SECTION – III

Q.4 Write short notes on **ANY FOUR** of the following: [16]

- a) Pseudomonas aeruginosa
- b) Morphology and cultural characteristics of Rickettsia
- c) Laboratory diagnosis of diphtheria
- d) Pathogenicity of Escherichia coli
- e) Principles of microbiology
- f) Laboratory diagnosis of enteric fever

Q.5 Define hypersensitivity. Classify it and explain different types of [14]
hypersensitivity.

OR

Classify Mycobacteria. Describe laboratory diagnosis of pulmonary tuberculosis. Add a note on RNTCP.

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