

F. Y. P. B. B. Sc (Nursing) Winter-2018
SUBJECT : MICROBIOLOGY

Day : Thursday

Time : —

Date : 11-10-2018

W-2018-4054

Max. Marks : 15

N.B. :

- 1) All questions are **COMPULSORY**.
- 2) Put a \checkmark in the appropriate box.
- 3) Use **BLUE / BLACK** pen only.
- 4) Section one should be completed in **15** minutes.
- 5) Each question carried **ONE** mark.
- 6) Students will not be allotted marks if he/she overwrite strikes or puts white ink on the cross once marked.

Seat No.: _____

Total Marks Obtained _____

Jr. Supervisor's signature: _____

Examiner's Signature _____

SECTION - I

MCQs:

- Q. 1 Cluster's of polar flagella is called _____
- a) Lophotrichous
 - b) Amphitrichous
 - c) Monotrichous
 - d) Peritrichous
- Q. 2 The cocci which forms a bunch _____
- a) Staphylococci
 - b) Diplococci
 - c) Tetrads
 - d) Streptococci
- Q. 3 Which of the following mediated types – I hypersensitivity reaction?
- a) IgE
 - b) IgG
 - c) IgM
 - d) IgD
- Q. 4 Generation time of Escherchia Coli is _____
- a) 20 hours
 - b) 20 minutes
 - c) 20 day's
 - d) 200 hours

P. T. O.

- Q. 5** The microorganisms that grow best in a low-oxygen environment is called _____
- a) Aerobes
 - b) Anaerobe
 - c) Facultative
 - d) Microaerophilic
- Q. 6** Bacteria which produces coagulase is _____
- a) S. epidermidis
 - b) S. saprophyticus
 - c) S. aureus
 - d) S. hominis
- Q. 7** Which of the following is a substitute for crystal violet used in gram-staining procedure?
- a) Methylene blue
 - b) Bromocresol green
 - c) Safranin
 - d) Phenolphthaleine
- Q. 8** Which among the following is called as filamentous bacteria?
- a) Mycoplasma
 - b) Spirochetes
 - c) Actinomycetes
 - d) vibrios
- Q. 9** The inclusion bodies present in cytoplasm of neurons in rabies are called _____
- a) Negri bodies
 - b) Cowdry bodies
 - c) Reticulate bodies
 - d) Both a and b
- Q. 10** AIDS stands for _____
- a) Acquired insulin deficiency
 - b) Acquired immuno deficiency syndrome
 - c) Acquired intestinal dysfunction
 - d) None of the above

Q. 11 About 80 – 90 % of the fungal cell wall is made up of _____

- a) Cellulose
- b) Chitin
- c) Proteins
- d) Lipids

Q. 12 Sporangiospores are produced within _____

- a) Ascus
- b) Sporangium
- c) Phialida
- d) Conidium

Q. 13 Amoebiasis is caused by _____

- a) E. histolytica
- b) E. vermicularis
- c) E. granulosus
- d) E. coli

Q. 14 Hydatidosis or hydatid disease is caused by _____

- a) E. coli
- b) E. granulosus
- c) E. vermicularis
- d) E. faecali

Q. 15 Koplik's spots are present in which infection _____

- a) Small pox
- b) Herpes
- c) Measles
- d) Rabies

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F. Y. P. B. B. SC. (NURSING) : WINTER - 2018

SUBJECT : MICROBIOLOGY

Day : Thursday
Date : 11/10/2018

W-2018-4054

Time : 10.00 A.M. TO 01:00 P.M.
Max. Marks : 60

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. 1 Write short note on **ANY FOUR** of the following: **(16)**

- a) Physical agents of sterilization
- b) Laboratory diagnosis of gonorrhoea
- c) Type I hypersensitivity
- d) Gram staining
- e) Biochemical waste management
- f) Tyndalization

Q. 2 Long Question on **ANY ONE** of the following:

- a) Enumerate spore bearing anaerobes. **(02)**
- b) Describe morphology, cultural characteristics, biochemical reactions, toxins, enzymes produced by *C. tetani*. **(08)**
- c) Discuss laboratory diagnosis of tetanus. **(04)**

OR

- a) Enumerate 4 gram negative bacilli. **(02)**
- b) Describe morphology, cultural characteristics, biochemical reactions, toxins, enzymes produced by *V. cholera*. **(08)**
- c) Discuss laboratory diagnosis of cholera. **(04)**

SECTION - III

Q. 3 Write short note on **ANY FOUR** of the following: **(16)**

- a) Differentiate between primary and secondary tuberculosis.
- b) Write the pathogenesis of Histoplasmosis.
- c) Write down the life cycle and pathogenesis of *Giardia lamblia*.
- d) Write a note on Immunization in Polio.
- e) Laboratory diagnosis of herpes.
- f) Life cycle of *Plasmodium vivax* in human being.

Q. 4 Long Question on **ANY ONE** of the following:

- a) What is rabies and draw neat diagram of it? **(02)**
- b) Explain pathogenicity of rabies virus. **(04)**
- c) Write down laboratory diagnosis and various immunoprophylactic measures in rabies. **(08)**

OR

- a) Draw life cycle of pork and beef tapeworms. **(04)**
- b) Write down the various clinical manifestation of disease and laboratory diagnosis teniasis. **(08)**
- c) Treatment of pork and beef tapeworm infections. **(02)**

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