

**S.Y. B.SC. (NURSING) (2007 COURSE) : WINTER - 2017**

**SUBJECT: MICROBIOLOGY**

Day: Friday  
Date: 06/10/2017

**W-2017-3736**

Time:  
Max. Marks: 15

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Put a  $\surd$  mark in the appropriate box.
- 3) Use **BLUE/ BLACK** pen only.
- 4) Each question carries **ONE** mark.
- 5) Students will not be allotted marks if he/ she overwrites, strikes or puts white ink on the cross marks.

Seat No. \_\_\_\_\_

Total Marks Obtained. \_\_\_\_\_

Jr. Supervisors Signature: \_\_\_\_\_

Signature of Examiner \_\_\_\_\_

**Q.1 M.C.Qs.**

**SECTION-I**

- 1) Palisade arrangement of cells is present in.
  - a) M. Leprae
  - b) S. aureus
  - c) C. diphtheria
  - d) M. gonorrhoea
- 2) The backbone of cell wall in prokaryotes is:
  - a) Lipopolysaccharide
  - b) Murein
  - c) Polypeptide
  - d) Protein
- 3) A relationship in which both organism (parasite and host) are benefited is.
  - a) Antagonism
  - b) Parasitism
  - c) Synergism
  - d) Mutualism
- 4) T. trichiura is commonly known as:
  - a) Hook worm
  - b) Tapeworm
  - c) Whipworm
  - d) Silkworm

P. T. O.

- 5) Blisters are caused by which of the following parasite
- a) Guinea worm
  - b) Tapeworm
  - c) Hookworm
  - d) Round worm
- 6) Fungi belong to which of the following categories.
- a) Autotrophs
  - b) Chemoorganotrophs
  - c) Chemoautotrophs
  - d) Phagotrophs
- 7) Mycotic mycetoma is also known as:
- a) Deformed foot disease
  - b) Madura foot
  - c) Foot abscess
  - d) Histoplasmosis
- 8) Live attenuated vaccine (OPV) for rabies is also called:
- a) Salk vaccine
  - b) Salk and Sabin vaccine
  - c) Sabin vaccine
  - d) None of the above
- 9) Polio is an:
- a) Echo virus
  - b) Entero virus
  - c) Flavi virus
  - d) Arbo virus
- 10) Koplik's spots are present in which infection:
- a) Small pox
  - b) Measles
  - c) Herpes
  - d) Rabies

- 11) Pox virus are grown on which site of chick embryo
- a) Amniotic cavity
  - b) CAM
  - c) Yolk sac
  - d) None of the above
- 12) Which of the bacteria are flame shaped
- a) Gonococcus
  - b) Pneumococcus
  - c) Meningococcus
  - d) Staphylococcus
- 13) Stuart's transport medium is used to transport which of the following bacteria?
- a) C. Diphtheria
  - b) V. Cholerae
  - c) N. gonorrhoea
  - d) E.coli
- 14) WIDAL test is used for diagnosis of
- a) Anthrax
  - b) Gonorrhoea
  - c) Leprosy
  - d) Typhoid
- 15) Immunoglobulin present on surface of B-Lymphocytes is:
- a) IgA
  - b) IgE
  - c) IgD
  - d) IgM

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Date: 06/10/2017

**W-2017-3736**

Time 9:00 A.M. To 12:00 Noon  
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 book.

**SECTION-II**

**Q.2** Write short notes on any **FOUR** of the following: **(16)**

- a) Categories of Bio Medical waste in India
- b) Nagler Reaction
- c) Bacterial endospore
- d) Hot air oven
- e) Standard test for syphilis
- f) Morphology of tape worm

**Q.3** Describe Morphology and lab diagnosis of corynebacterium diphtheria. **(14)**

**OR**

Write the etiology of STD's. Describe the pathogenesis, lab diagnosis and prevention of gonococcal infection.

**SECTION-III**

**Q.4** Write short notes on any **FOUR** of the following: **(16)**

- a) Lab diagnosis of HIV
- b) Type II hypersensitivity reaction
- c) Morphology of ascaris lumbricoides
- d) Pseudomonas aeruginosa
- e) Ziehl- Neelsen stain
- f) Staphylococcal food poisoning

**Q.5** Describe the morphology, life cycle and lab diagnosis of entamoeba histolytica. **(14)**

**OR**

Write briefly about poliomyelitis and discuss its prophylaxis.