



RO-0629

**First Year B. Sc. (Nursing) Examination**  
**June – 2010**  
**Microbiology**

Time : Hours]

[Total Marks : 75

**Instructions :**

(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवडी पर अवश्य क्षभवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
F.Y. B.Sc. (NURSING)

Name of the Subject :  
MICROBIOLOGY

Subject Code No. : 0 6 2 9 Section No. (1, 2.....) : NIL

Seat No. :

Student's Signature

- (2) Draw neat, labelled diagram whenever necessary.  
(3) Read the instructions carefully.

1 Choose the appropriate alternative and tick (✓) mark on it. 20

- (1) Who is father of Bacteriology ?  
(a) Robert Koch  
(b) Edward Jenner  
(c) Louis Pasteur  
(d) Ivanowsky
- (2) The study of microorganisms associated with human disease is known as  
(a) Medical Microbiology  
(b) Food Microbiology  
(c) Aeromicrobiology  
(d) None of above
- (3) Which of the following is NOT a differential staining ?  
(a) Gram staining  
(b) Acid-fast staining  
(c) Blood-film staining  
(d) Negative staining
- (4) Which of the following is power house of cell ?  
(a) Golgi bodies  
(b) Nucleus  
(c) Mitochondria  
(d) Cell-wall

- (5) Which of the following is enriched media ?  
(a) Minimal agar  
(b) MacConkey's agar  
(c) Blood agar  
(d) All of the above
- (6) Which of the following is normal flora ?  
(a) Pseudomonas  
(b) E-coli  
(c) Salmonella  
(d) Shingella
- (7) Who coined the term antibiotic ?  
(a) Selman Waksman  
(b) Alexander Fleming  
(c) Edward Jenner  
(d) Hans Gram
- (8) Which of the following is used for sterilization ?  
(a) Incubator  
(b) Refrigerator  
(c) Autoclave  
(d) Weighing balance
- (9) Which of the following have endoflagella ?  
(a) Eubacteria  
(b) Mycoplasma  
(c) Chlamydia  
(d) Spirochaetes
- (10) Vaccination is an example of  
(a) Naturally acquired active immunity  
(b) Naturally acquired passive immunity  
(c) Artificially acquired active immunity  
(d) Artificially acquired passive immunity
- (11) Which of the following is NOT whole organism vaccine ?  
(a) Live, attenuated  
(b) Killed vaccine  
(c) DNA vaccine  
(d) All of the above
- (12) Which of the following is parasitic worm ?  
(a) Amoeba  
(b) Ascaris lumbricoides  
(c) Paramoecium  
(d) None of the above

- (13) Cocci in long chains is known as  
(a) Staphylococcus  
(b) Diplococcus  
(c) Micrococcus  
(d) Streptococcus
- (14) Which of the following is caused by *Treponema pallidum* ?  
(a) Sore-throat  
(b) Tuberculosis  
(c) Syphilis  
(d) Whooping cough
- (15) Which of the following is a spirochaete ?  
(a) E-coli  
(b) *Borrelia recurrentis*  
(c) *B. Subtilis*  
(d) *Clostridium tetani*
- (16) *Mycoplasma* do not have  
(a) Cell wall  
(b) Cytoplasm  
(c) Cell membrane  
(d) DNA
- (17) Pandemic infection is  
(a) Restricted to an area  
(b) Spreaded over country  
(c) Spread in community  
(d) Spreads worldwide
- (18) Which of the following fungi is pathogenic ?  
(a) *Penicillium*  
(b) *Rhizopus*  
(c) *Mucor*  
(d) None of the above
- (19) Which of the following is protein-synthesis acting antibiotic ?  
(a) Penicillin  
(b) Ampicillin  
(c) Streptomycin  
(d) All of the above
- (20) Which of the following does NOT involve lattice ?  
(a) Agglutination  
(b) Precipitation  
(c) Elisa  
(d) None of the above

- 2** Write short notes on : (any **five**) **25**
- (a) Mycoplasma infections
  - (b) MIC
  - (c) Contributions of Edward Jenner
  - (d) Enrichment medium
  - (e) Killed whole organism vaccine
  - (f) Control of nosocomial infections.
- 3** Discuss in detail about laboratory methods for identification of bacteria. **10**
- OR**
- 3** Explain : Biomedical waste management. **10**
- 4** (a) Explain Gram's staining technique. **8**
- (b) Discuss in detail about use of chlorine is a disinfectant. **7**
- OR**
- 4** (a) Discuss about worm infections. **8**
- (b) What is lattice formation ? Explain agglutination reactions ? **7**
- 5** Define the following : (any **five**) **5**
- (a) Immunology
  - (b) Vaccine
  - (c) Herd Immunity
  - (d) Plasma
  - (e) Precipitation
  - (f) Lophotrichous flagella.
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