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RO-0629
First Year B. Sc. (Nursing) Examination
June – 2010
Microbiology

Time : Hours]

[Total Marks : 75

Instructions :

(1)

<p>नीचे दशांशों में निशानों वाली विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : ☛ F.Y. B.Sc. (NURSING)</p> <p>Name of the Subject : ☛ MICROBIOLOGY</p> <p>☛ Subject Code No. : 0 6 2 9 ☛ Section No. (1, 2.....) : NIL</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div>
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- (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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