

[A 94]

SC

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SARDAR PATEL UNIVERSITY

B. Sc. Semester- VI

March 2016

MICROBIOLOGY

US06CMIC04 - Medical Microbiology

Date: 04/04/2016, Monday

Time: 02:30pm to 05:30pm

Marks: 70

Q-1 Select the Right answer

[10]

1. The Bombay blood group contains _____
 - a. H antigen
 - b. No H antigen
 - c. H1
 - d. None of the above
2. Blood can be preserved for ____ days with use of ACD as anticoagulant.
 - a. 45
 - b. 35
 - c. 21
 - d. 12
3. The intracellular concentration NaCl found with erythrocytes _____.
 - a. 85%
 - b. 8.5%
 - c. 0.58%
 - d. 0.85%
4. Rapid methods of identification incorporates _____.
 - a. Automation
 - b. Reproducibility
 - c. Miniaturization
 - d. All of the above
5. Disk diffusion test was developed in the early 1960s by _____.
 - a. Kirby bauer
 - b. Louis Pasteur
 - c. Paul Ehrlich
 - d. Selman Waksman
6. The ____ methods used to obtain most effective and the proper therapeutic drug needed to treat the infectious disease.
 - a. Microscopy
 - b. Molecular techniques
 - c. Susceptibility testing
 - d. Serological methods
7. During liver dysfunction, transaminase activity is _____.
 - a. Increased
 - b. Decreased
 - c. Unchanged
 - d. Zero
8. Determination of total protein in serum is useful diagnostic test in which of the following disorders?
 - a. Liver disorder
 - b. Lymphoproliferative disorder
 - c. Kidney disorder
 - d. All of the above
9. Saliva of mosquito contains which form of plasmodia?
 - a. Trophozoite
 - b. Sporozoite
 - c. Merozoites
 - d. None of the above
10. Latin word "nosocomeion" means _____.
 - a. Theater
 - b. Restaurant
 - c. School
 - d. Hospital

Q-2 Answer the following in brief (Any Ten)

[20]

- 1) What are the functions of Blood?
- 2) Write on significance of Coombs test.
- 3) What are anticoagulants? Enlist few examples of anticoagulants used in blood collection.
- 4) What is phage typing?
- 5) Describe the needle aspiration.
- 6) Define: Catheter and swab.
- 7) Enlist clinical significance of ALP (alkaline phosphatase)
- 8) Write clinical significance of determining serum cholesterol.
- 9) What is Bio-terrorism?
- 10) Enlist common types of hospital infections.
- 11) Which diagnostic test used for malaria?
- 12) Write few drawbacks of Widal test.

Q-3 Write in detail about ABO and Rh blood group system

[10]

OR

A Write notes on granulocytes.

[05]

B Criteria for selection and rejection of donor.

[05]

Q-4 **A** Write notes on ELISA

[07]

B What care should be taken to transport anaerobic culture?

[03]

OR

A Write short notes on RIA

[06]

B Write short notes on Antibigram

[04]

Q-5 **A** Write brief notes on Vaccines

[06]

B Write down clinical significance of blood urea.

[04]

OR

A Write down clinical significance of blood creatinine and Uric acid

[06]

B Importance of any three electrolytes for diagnosis.

[04]

Q-6 Explain causative agents, symptoms, laboratory diagnosis and reservation of Tuberculosis.

[10]

OR

Explain causative agents, symptoms, laboratory diagnosis and reservation of AIDS.

[10]
