



GRETSA UNIVERSITY - THIKA

UNIVERSITY EXAMINATIONS JANUARY – APRIL 2017 SEMESTER

CERTIFICATE IN MEDICAL LABORATORY

COURSE CODE: CIML 024

COURSE TITLE: INFECTION PREVENTION

DATE: 7 APRIL 2017

TIME: 11.30 AM – 1.30 PM

INSTRUCTIONS TO CANDIDATES

1. SECTION A IS **COMPULSORY**.
2. SECTION B: ANSWER ANY OTHER **THREE** QUESTIONS.
3. **DO NOT** WRITE ANYTHING ON THIS QUESTION PAPER AS IT WILL BE AN EXAM IRREGULARITY.
4. ALL ROUGH WORK SHOULD BE AT THE BACK OF YOUR ANSWER BOOKLET AND CROSSED OUT.

CAUTION: All exam rooms are under CCTV surveillance during the examination period.

SECTION A

40MKS

1. What is the water temperature you should wash your hands with?
 - A. Hot
 - B. Cold
 - C. Warm
 - D. Germ-x
2. What is the first basic element to Infection Control?
 - A. Prevention
 - B. Surveillance
 - C. Control
 - D. None
3. What is PPE?
 - A. Goggles
 - B. Gloves
 - C. Gown
 - D. All of the above
4. Bacteria that cause disease are called:
 - A. Nonpathogenic
 - B. Protozoa
 - C. Pathogenic
 - D. Saprophytes
5. The type of bacteria called cocci have a:
 - A. Spiral shape
 - B. Round shape
 - C. Rod shape

D. Corkscrew shape

6. You have 1200ml of concentrated jik. Explain how you would prepare 20% of 300ml jik.
Show the exact amount of each liquid. 7mks
7. Outline six types of disinfectants used in the laboratory 6mks
8. Imagine you have patients whom you wish to collect different samples from, outline 6
measures you would put in place to reduce contamination of the samples. 6mks
9. Briefly explain 3 ways of reducing the amount of waste produced 6mks
10. Briefly explain grading of waste 6mks
11. Explain the two main modes of action of disinfectants 4mks

SECTION B

60MKS

1. a) Discuss the procedure of sterilization using autoclaving technique 12mks
b) Explain 2 advantages and 2 disadvantages of disinfectants as sterilization technique
8mks
2. a) Define the term nosocomial infection 2mks
b) Discuss 4 main sources of nosocomial infections 8mks
c) Discuss 5 endogenous risk factors to nosocomial infections 10mks
3. a) Discuss briefly the chain of infection of a particular diseases 12mks
b) Discuss any 4 routes of entry of organisms into the body 8mks
4. a) Discuss any 5 routine practices for infection prevention 10mks
b) Explain any 5 methods of sterilizing equipments in the laboratory 10mks