

**BACHELOR OF SCIENCE (RADIOLOGY & IMAGING TECHNOLOGY) (CBCS-  
2019 COURSE)**

**B.Sc. (R&IM) Sem-II :SUMMER- 2022**

**SUBJECT : INTRODUCTION TO QUALITY & PATIENT SAFETY**

Day : Saturday  
Date : 16-07-2022

**S-21623-2022**

Time : 10:00 AM-12:00 PM  
Max. Marks : 10

**N. B. :**

- 1) There are **THREE** sections as  
Section – A – Objective Type Questions – 10 Marks  
Section – B – Long Type Questions – 20 Marks  
Section – C – Short Type Questions – 10 Marks
- 2) Section – A is given on **SEPARATE** sheet and has to be answered on **SAME** sheet. This sheet should be completed within the **first 20 minutes** of starting of the examination. This sheet with Section – A only will be collected by Supervisor.
- 3) You have to make ✓ such kind of mark in the box of the appropriate answers.
- 4) There is no negative marking.

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

**SECTION – A**

**Q.1 MCQ's**

- 1) The term MSDS stands for \_\_\_\_\_
  - a)  Man Safety Data sheet
  - b)  Medical Supplies Data Sheet
  - c)  Material Safety and Data Sheet
  - d)  Material Safety Data Sheet
- 2) First aid after any sharp injury includes \_\_\_\_\_.
  - a)  Tying a tourniquet
  - b)  Washing the wound under running water
  - c)  Suturing the wound
  - d)  Dressing
- 3) Process used to kill microbes and their spores \_\_\_\_\_.
  - a)  Antiseptics
  - b)  Sterilization
  - c)  Asepsis
  - d)  Disinfectant
- 4) The process of disposing bio medical waste in a properly designed furnace under suitable temperature and operating conditions is called as \_\_\_\_\_.
  - a)  Land fill
  - b)  Recycling
  - c)  Vermi composting
  - d)  Incineration

**P. T. O.**

- 5) When should you wash your hands with soap and water?
- a)  When your hands are visible dirty
  - b)  Before / after eating
  - c)  After using the rest room
  - d)  All of the above
- 6) Maharashtra Pollution Control Board (MPCB) has classified the bio medical waste into \_\_\_\_\_ categories as per the 2019 guidelines.
- a)  2
  - b)  3
  - c)  4
  - d)  5
- 7) What are the Occupational Hazards related to Laboratory?
- a)  Chemical hazard
  - b)  Bio hazard
  - c)  None of the above
  - d)  All of the above
- 8) Hand rub should be performed within \_\_\_\_\_
- a)  25 to 30 seconds
  - b)  45 to 50 seconds
  - c)  1 Minute
  - d)  2 Minutes
- 9) Mark correct segregation of Microbiological culture in BMW bag.
- a)  Directly in yellow bag
  - b)  Red bag
  - c)  After autoclaving into yellow bag
  - d)  Black bag
- 10) In which condition Informed consent is not required?
- a)  HIV Test
  - b)  Informed consent in MRI contrast
  - c)  For Histopathology test
  - d)  Intramuscular injection in Casualty (Emergency Department)

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Max. Marks : 30

**N. B. :**

- 1) There are **THREE** sections as  
Section – A – Objective Type Questions – 10 Marks  
Section – B – Long Answer Questions – 20 Marks  
Section – C – Short Answer Questions – 10 Marks
- 2) Section – B has Four Long answer questions and **ANY TWO** questions have to be answered.
- 3) Section – C has Six Short answer questions and **ANY FIVE** questions have to be answered.
- 4) Section – B and Section – C should be written in **SAME** answer sheet.
- 5) Draw neat and labelled diagrams **WHEREVER** necessary.

**SECTION – B**

**Long Answer Questions (attempt ANY TWO)**

**(20)**

- 1) Enlist any five IPSPG (International Patient Safety Goals) and explain any two in detail.
- 2) Enumerate indications for Basic Life Support (BLS). Explain CAB sequence of BLS.
- 3) Differences between Sterilization and Disinfection. Explain various methods of Sterilization.
- 4) Define Accreditation. Explain its benefits to Patients, Hospitals, Employees and Regulatory bodies.

**SECTION – C**

**Short Answer Questions (attempt ANY FIVE)**

**(10)**

- 1) Define Quality and enlist 10 chapters of NABH.
- 2) Describe management of code red in laboratory.
- 3) Incident Reporting Mechanism.
- 4) Use of different Personal Protective Equipments (PPE) in hospital.
- 5) Color code of BMW and their utility.
- 6) Vulnerable patient policy.

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