

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

**B.Sc. (R&IM) Sem-V : WINTER :- 2021**

**SUBJECT: PRINCIPLES OF INTERVENTION**

**Day : Tuesday**  
**Date 8/2/2022**

**W-22537-2021**

**Time : 10:00 AM-12:00 PM**  
**Max. Marks: 20**

**N.B.:**

- 1) There are three sections as  
Section – A = Objective Type Questions - 20 marks.  
Section – B = Long Answer Questions - 20 marks.  
Section – C = Short Answer Questions - 20 marks.
- 2) Section A is given in **SEPARATE** sheet and has to be answered on same sheet. This sheet should be completed with the first **20** minutes of starting of the examination. This sheet with Section A only will be collected by Supervisor.
- 3) Section B has four long questions and any **TWO** questions have to be answered.
- 4) Section C has six short questions and any **FOUR** questions have to be answered.
- 5) You have to make ☒ such kind of mark in the box of the appropriate answers.

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

**SECTION – A**

**M.C.Q's**

- 1) What is the mechanical or chemical cleansing process called?
  - a) ☐ Sanitization
  - b) ☐ Disinfection
  - c) ☐ Pasteurization
  - d) ☐ Sterilization
- 2) What do you mean by sterilization?
  - a) ☐ Purification of products
  - b) ☐ Recovery of products
  - c) ☐ Elimination of contamination
  - d) ☐ None of the above
- 3) Which of the following is considered as the most important aspect of hand washing?
  - a) ☐ Soap
  - b) ☐ Water
  - c) ☐ Friction
  - d) ☐ Time
- 4) Importance of hand washing
  - a) ☐ Patient satisfaction
  - b) ☐ Prevention of infection
  - c) ☐ Physician satisfaction
  - d) ☐ All of the above

**P.T.O.**

- 5) When performing a surgical hand hygiene. You must keep hands
- a) ☐ Below elbows
  - b) ☐ At 45 degree angle
  - c) ☐ Above elbows
  - d) ☐ In a comfortable position
- 6) The process in which all living cells, spores and viruses are completely destroyed from an object is called \_\_\_\_\_.
- a) ☐ Disinfection
  - b) ☐ Pasteurization
  - c) ☐ sterilization
  - d) ☐ Antisepsis
- 7) \_\_\_\_\_ is the process where all the living micro-organisms, including bacterial spores are killed.
- a) ☐ Disinfection
  - b) ☐ Sterilization
  - c) ☐ Incineration
  - d) ☐ Pyrolysis
- 8) What should you do if your hands touch the sink while you are washing your hands?
- a) ☐ Add more soap to your hands
  - b) ☐ Repeat the procedure
  - c) ☐ Continue to wash your hands
  - d) ☐ Apply more friction during procedure
- 9) How many steps are there for hand washing?
- a) ☐ 5
  - b) ☐ 9
  - c) ☐ 7
  - d) ☐ 8
- 10) Atomic number of Iodine is \_\_\_\_\_.
- a) ☐ 53
  - b) ☐ 54
  - c) ☐ 55
  - d) ☐ 56

Total Marks Obtained: \_\_\_\_\_

Signature of Invigilator : \_\_\_\_\_

Signature of Examiner: \_\_\_\_\_

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**Max. Marks: 40**

**N.B.:**

- 1) There are three sections as  
Section – A = Objective Type Questions - 20 marks.  
Section – B = Long Answer Questions - 20 marks.  
Section – C = Short Answer Questions - 20 marks.
- 2) Section B has four long questions and any **TWO** questions have to be answered.
- 3) Section C has six short questions and any **FOUR** questions have to be answered.
- 4) Answer to both the sections should be written in **SAME** answer book.

**SECTION – B**

Long Answer (Attempt **ANY TWO**):

**[10 × 2 = 20]**

- 1) When and how should you wash your hands while working in the Interventional Radiology Department?
- 2) What should you do while receiving patient for an Interventional Radiology procedure?
- 3) What are the six rules to be followed while handling sterile items?
- 4) What is sanitization, disinfection and sterilization? How do you disinfect CT equipment after a scan of COVID positive patient?

**SECTION – B**

Short Answer (Attempt **ANY FOUR**):

**[5 × 4 = 20]**

- 1) Contrast media
- 2) DSA
- 3) Write short note on basic trolley preparation before Interventional Radiology procedure.
- 4) Write short note on record keeping and documentation in Interventional Radiology Department.
- 5) Write short note on fluoroscopy.
- 6) Aftercare of a patient with percutaneous catheterization.

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