

**Preliminary Examinations
for Diploma in Operation Theatre Technology Course**

**Paper – I
Basic Sciences**

Answer any Two from Question No. 2 to 5 and any Four from Question No. 6

2x20 = 40

Q2. What do you understand by "Blood Groups"? Mention the names of different blood components commonly used. What problems can arise out of mismatched blood transfusion?

5+5+10 = 20

Q3. What are antibiotics? Name the commonly used antibiotics mentioning their mechanism of action. What is antibiotic resistance?

5+10+5 = 20

Q4. What is universal precaution? What special measures are to be taken in the O.T. while operating on a HIV positive patient?

8+12 = 20

Q5. What are the modes of spread of cancers? Mention the common sites of spread of Breast Cancer.

12+8 = 20

Q6. Write short notes on (**Any Four**):-

4 x 7½ = 30

- a) Anatomy of Biliary Tree
- b) Spinal anaesthesia
- c) Microbiology specimen collection and transport from O.T.
- d) Non-autoclave sterilization procedures for instruments
- e) Muscle Relaxants.

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**Paper – II
OT Room related matters
Common General Surgical Procedures and CPR**

Answer any Two from Question No. 2 to 5 and any Four from Question No. 6

2x20 = 40

Q2. What is Post-Anaesthesia Care Unit? What are the equipments necessary in a PACU? What are the common complications seen there? How are these complication handled?

5+5+5+5 = 20

Q3. Mention the various positions of OT table and patient used for general surgical operations.

10+10 = 20

Q4. Describe the indications, materials used and methods used for surgical scrubbing.

4+8+8 = 20

Q5. How do you proceed to prepare O.T. for proposed exploratory laparotomy for abdominal trauma?

20

Q6. Write short notes on (**Any Four**):-

4 x 7½ = 30

- a) C.P.R.
- b) Commonly used suture materials
- c) IV cannulation
- d) Insertion of nasogastric tube
- e) Microsoft word.
