[LE 0212] FEBRUARY 2014 Sub. Code: 1121

B.SC. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY

THIRD YEAR

PAPER I – STERILIZATION PROCEDURES

Q.P. Code: 801121

Time: Three hours Maximum: 100 marks

Answer ALL questions.

I. Elaborate on: (3 x 10 = 30)

1. Describe the evaluation surgery from ancient period to the modern times. Mention few discoveries which transformed the quality of the surgical practices and discuss any one of them in detail.
2. Classify hospital waste. Discuss the components of waste management with special mention about the colour coded bins
3. Discuss the criteria for defining surgical site infection (SSI).Enumerate the patient related risk factors for developing surgical site infection.

II. Write notes on: (8 x 5 = 40)

1. Preoperative care of patient undergoing general abdominal surgery.
2. Mention the personal protective equipment and describe the role in infection control.
3. Describe systemic inflammatory response syndrome in association with surgery.
4. What is meant by high level disinfection (HLD)? What factors determines the effectiveness and describes its methods.
5. Describe the operation theatre air-condition system. How laminar flow reduces the incidence of infections?
6. Define the role of theatre assistant in monitoring safety of OT
7. Discuss about the Ozone gas sterilization. Mention the advantage and disadvantage of it.
8. Describe the general function of operation theatre

III. Short Answers on: (10 x 3 = 30)

1. Enumerate the general factors which impede the healing of wound.
2. Write a short description and definition of some of the surgical terms
    a. Cystectomy, b.Embolectomy .c.Fasciotomy
3. Write short notes on flash sterilization.
4. Explain the instrument for abscess drainage.
5. What are the causes for cross infections?
6. Explain the system used for killing microorganism in operation theatre.
7. Discuss the steps of surgical hand scrub.
8. Categories of people working in operation theatre
9. How will you disinfect of gloves
10. List the various packing material for sterilization.

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