

TWO MARKS

1. What is medical thermography? Mention its applications.

Thermography is the process of recording true thermal image of the surfaces of objects under study. It displays images representing the thermal radiation of skin areas. Thermogram contain both qualitative and quantitative information relevant to the image itself and to temperature. Medical applications of thermography

- i) Tumors
- ii) Inflammation
- iii) Diseases of peripheral vessels
- iv) Orthopedic diseases

2. List the types of lasers used in medical field

The types of lasers used in medical fields are

- i). Pulsed Nd-YaG laser
- ii). Continuous laser. Co2 laser
- iii). Continuous wave organ ion laser

3) What are the advantages of performing surgery using LASER?

The advantages of performing surgery using LASER are

- i) Highly sterile
- ii) Non-contact surgery
- iii) Highly localized and precise
- iv) prompt surgery
- v) short period of surgical time

4) What are the types of thermography?

The types of thermography are

- i). Infrared thermography
- ii) Liquid crystal thermography
- iii). Microwave thermography

5) Define - Endoscopes and mention some of its types.

Endoscope is a tubular optical instrument to inspect or view the body cavities which are not visible to the naked eye normally. Types of endoscopes are cardioscope, bronchoscope, laparoscope, otoscope, gastroscope etc.

6) List the applications of Endoscope.

Endoscopes are used in hospitals for examination, treatment of disease and surgery.

7) What is the use of laparoscope?

The laparoscope is used for analyzing abdominal related diseases and to perform operations in the abdominal region