

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code: 1217145

B.E. / B.Tech. DEGREE EXAMINATIONS, NOV/ DEC 2024

Seventh Semester

Biomedical Engineering

U20BM710 – MEDICAL ETHICS AND STANDARDS

(Regulation2020)

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions

PART – A

(10 x 2 = 20 Marks)

1. Define scope of Ethics in medicine.
2. Infer Fundamental responsibilities in ethics.
3. What is Casuist theory?
4. Show what the principle of Autonomy means in medical ethics?
5. What is DICOM used for?
6. Summarize evidence based medicine.
7. Extend how you will protect patients from fire.
8. What are hazardous materials?
9. Infer IEC 60601 standard.
10. Compare basic safety requirements.

PART – B

(5 x 16 = 80 Marks)

11. (a) Rephrase American Medical Association code of ethics. (16)

(OR)

(b) Relate professional Independence along with the doctor and profession relationship. (16)

12. (a) Compare Deontology and utilitarianism concepts. (16)

(OR)

(b) Summarize ethical issues in biomedical research. (16)

13. (a) Explain in detail (i) IRMA (ii) HIRRA (8+8)

(OR)

(b) Rephrase JCAHO and its policies in detail. (16)

14. (a) Illustrate how will you protect hospital and individuals from fire and smoke in case of emergency. (16)

(OR)

(b) Demonstrate in detail how you will test, maintain and inspect medical equipment. (16)

15. (a) Infer general requirement of electrical medical equipment. (16)

(OR)

(b) Explain types of medical devices in detail. (16)

-----XXXX-----