

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

D.M. /M.CH. DEGREE SUPPLEMENTARY EXAMINATION: MAY, 2024

MEDICAL ONCOLOGY

PAPER – I

(Basic Sciences)

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

2 X 30 = 60

1. Describe the various modalities/methods for targeting CD20 along with their mechanism of action. Write about the mechanism of resistance of anti CD20 therapy. Enumerate some indications for use of anti CD20 Monoclonal antibody with evidence. (10+10 +10)
2. Discuss the incidence and techniques of microsatellite instability (MSI) testing in various cancers. Describe the role of MSI as tumor agnostic marker with special reference to colorectal cancers. (15+15)

Write a short note on the following:

4 X 10 = 40

3. Population based cancer registry with a special emphasis on Epidemiology of Gastric cancer in India.
4. Mechanism of action, indications and side effects of the following drugs.
 - a) Ibrutinib (5)
 - b) Pertuzumab (5)
5. Outline the diagnostic and treatment challenges in Cancer associated thrombosis.
6. Radioiodine therapy in thyroid malignancies — indications, procedure and toxicities.
