

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

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

**MEDICAL ONCOLOGY
PAPER – IV
(RECENT ADVANCES)**

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. Briefly describe the structure and mechanism of action of antibody drug conjugates (ADCs). Enumerate the recently reported ADCs in the treatment of solid tumours with indications, dosage and side-effects. Discuss the mechanism of resistance of antibody drug conjugates. (10+15+5)
2. Which hallmarks of cancer have been proposed as targets for cancer therapy. Discuss the role of epigenetic mechanisms in cancer and how they can be targeted. (10+10+10)

Write a short note on the following:

4 X 10 = 40

3. Describe the structure of HLA & its role in Bone Marrow Transplantation. (5+5)
4. Briefly outline the molecular classification of Gastric Cancer. What is the role of MSI and PDL1 testing in gastric cancer. (5+5)
5. Discuss the key principles and clinical applications of "Next Generation" DNA sequencing. (5+5)
6. Discuss the palliative management for Malignant Obstructive Jaundice.
