

Rajiv Gandhi University of Health Sciences, Karnataka

Fellowship Examination - 16-Feb-2023

[Time: 3 Hours]**[Max. Marks: 100]****ONCO PHARMACY - PAPER – I****QP Code: 4328**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Answer All The Questions**10 X 10 = 100 Marks**

1. Define tumor markers. Write a note on tumor markers and their role in cancer management with suitable examples. Write a short note on the following:
 - a. Epitopes in cancer
 - b. Oncofetal markers
2. Define pharmacogenomics. Write note on role of pharmacogenomics in cancer management. Write in brief about pharmacogenomics of :
 - a. Irinotecan
 - b. Cisplatin
3. Define and discuss polymorphism. Describe in detail, polymorphism in :
 - a. Drug targets
 - b. Drug transporters
4. What is WHO step ladder pattern of analgesia? Elaborate on STEP 3 drugs used for the management of pain in cancer.
5. Discuss in details about the mechanism of management of chemotherapy induced diarrhea, with suitable examples of anticancer agents causing diarrhea.
6. Write a short note on:
 - a. Role of corticosteroids in cancer
 - b. Role of Benzodiazepines in management of pain and chemotherapy induced nausea vomiting
7. What are vaccines? Classify vaccines with examples. Write a note on role of vaccines in cancer prevention.
8. Define Febrile Neutropenia. Discuss the classification of febrile neutropenia
9. Discuss in detail the pharmacotherapy of T2N1M0, ER: Positive, PR: Positive, HER 2 Nue:+++by FISH, Invasive Ductal Carcinoma of breast.
10. Explain drug sequencing. Write a detailed note with example about the importance of drug sequencing in cancer management.

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