

**[Time: 3 Hours]****[Max. Marks: 100]****TUMOUR PATHOLOGY - PAPER – II****QP Code: 4214**

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. Discuss the approach to the characterization of IDH wild type diffuse and Anaplastic astrocytoma
2. Utility of liquid biopsy in oncology practice and research
3. Enumerate the hallmarks of cancer and discuss epithelial mesenchymal transition (EMT) in detail
4. Molecular classification of breast tumours
5. Approach to the diagnosis of a metastatic poorly differentiated carcinoma in the brain, unknown primary
6. The role of genetic studies in the evaluation of myeloproliferative neoplasms
7. Give the details of the IAC Yokohama system for reporting breast FNAB cytopathology including the risk of malignancy
8. Give the salient features of the new soft tissues tumour entities in the 5<sup>th</sup> edition WHO classification of soft tissue and bone tumours
9. The role of flow cytometry in the diagnosis of chronic lymphoproliferative disorders
10. Essential information to be provided in the pathology report of a resected hemimandibulectomy specimen with extended supraomohyoid neck dissection for a squamous cell carcinoma of the buccal mucosa

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