



**RAJ-9083**

Seat No. \_\_\_\_\_

**M. D. (Branch-II) Examination**

**March / April - 2019**

**Pathology : Paper-IV**

*(Recent Advances)*

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (i) Figures to the right indicate full marks.  
(ii) Write legibly and to the point.  
(iii) Irrelevant writing carries negative value.  
(iv) Draw figures where necessary.

- 1 Write revised WHO classification of Myeloid Neoplasms and Acute Leukemia. Discuss various subtypes of Acute Myeloid Leukemia in detail. **30**
- 2 Discuss 2016 WHO classification of CNS tumors, including Molecular Parameters. **30**
- 3 Write notes on : **20**  
(i) Next generation Sequencing.  
(ii) Nucleic Acid Testing (NAT) for screening of Blood Donors.
- 4 Write notes on : **20**  
(i) The Milan system of reporting Salivary Gland Cytopathology.  
(ii) Microsatellite instability in Colorectal Cancers.