

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) PUNE, INDIA

M.D. (PATHOLOGY): Winter-2022

SUBJECT: PAPER-IV: RECENT ADVANCES AND APPLIED ASPECTS

Day: Friday

Date: 23-12-2022

WI-725-2022

Time: 1:30 P.M. TO 4:30

Max. Marks:100

P.M.

N.B.:

- 1) **Q. No.1 and Q. No.2 are COMPULSORY.**
- 2) Attempt **ANY SEVEN** questions from **Q. No.3 to Q. No.10.**
- 3) Figures to the right indicate **FULL** marks.
- 4) Draw neat and labelled diagrams **WHEREVER** necessary.

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|-------------|---|-------------|
| Q.1 | Write the recent WHO classification of leukemia. Add a note on minimal residual disease. | (15) |
| Q.2 | Describe molecular pathogenesis of carcinoma of breast. | (15) |
| Q.3 | Write recent WHO classification of CNS glial tumours. | (10) |
| Q.4 | Write note on next generation sequencing in the diagnosis of malignancies. | (10) |
| Q.5 | Write note on advantages of automated semen analysis over manual method. | (10) |
| Q.6 | Describe the recent updates in the CAP protocol for reporting oral cancer. | (10) |
| Q.7 | Write the recent classification of myelodysplastic syndromes. | (10) |
| Q.8 | Write about nucleic acid testing in screening of donor blood in a blood centre. | (10) |
| Q.9 | Describe the pathogenesis of cytokine storm and its effects on a patient suffering from Covid 19 infection. | (10) |
| Q.10 | Describe pathogenesis and pathology of obesity. | (10) |

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