Write short notes on:

1. a) Molecular pathology of liver tumours. 5+5
   b) Approach to the diagnosis of soft tissue tumours.

2. a) Role of lymph node fibroblastic reticular cells in health and disease. 5+5
   b) Microalbuminuria and its detection.

3. a) Role of genetics in classification and diagnosis of colonic tumours. 5+5
   b) Pseudo tumours.

4. a) Role of flow cytometry in evaluation of cytological smears. 5+5
   b) Squash preparation and its utility.

5. a) Quality assurance in cytopathology. 5+5
   b) HPV vaccine.

6. a) Role of cytology in renal transplant. 5+5
   b) Difficulties in interpretation of thyroid cytology.

7. a) Undecalcified sectioning of bone and its utility. 5+5
   b) Pathogenesis of multiorgan failure.

8. a) Role of FISH in infertility. 5+5
   b) Handling of sentinel lymph node biopsy in pathology lab and its utility in breast cancer.

9. a) What are rapid stains? What are their uses? 5+5
   b) Radiation changes in cervical smear.

10. a) Genetic polymorphism and its role in tumour diagnosis. 5+5
     b) HbA1c and its uses.

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