

**QP Code:104110**

**Reg.No.:.....**

**PG Degree Supplementary Examinations in Pathology (MD) –  
November 2014**

**Paper IV - Recent Advances and Applied Aspects**

**Time: 3 hrs**

**Max marks:100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essays:**

**(20)**

1. Discuss the pathology, pathogenesis and recent advances in multiple organ dysfunction syndrome.

**Short Essays:**

**(8x10=80)**

2. Recent concepts in automation in cytology.
3. Recent advances in gastrointestinal stromal tumour (GIST).
4. Chemotherapy- associated steatohepatitis (CASH).
5. Proliferative breast disease.
6. Bethesda system for reporting thyroid cytopathology.
7. Quality assurance in immunohistochemistry (IHC).
8. Diabetic nephropathy – pathophysiology and morphological features.
9. Discuss the newer concepts in stem cell research.

\*\*\*\*\*