

MSLIS Semester 3
MIDTERM TEST
Paper 13: Information Storage, Retrieval and DBMS
07 September 2016
(11.30AM - 1.00PM)

- Q1.** Write briefly about the following topics: **[12 marks]**
- i) Advanced information storage devices
 - ii) Role of information retrieval in Big Data analytics.
 - iii) Histograms
- Q2.** K-Mixture model is in use in generating summaries out of a large number of documents available in a corpora. Write an unified formula—with notations involved—used in the calculation of $P_i(k)$, probability of word (w_i). Explain each parameter in this formula. **[13 marks]**
- Q3.** Why delimiter space of a document is important from the point of its geometric composition? Write a brief introduction on multiscale document description via rectangular granulometries with the support of illustrations and equations. **[15 marks]**

END OF PAPER.