# Probable Viva Questions:

1. What is mean by Information Retrieval?
2. Draw the diagram of IR?
3. Difference between DR and IR.
4. Explain Conflation Algorithm.
5. What is the necessity of feedback mechanism in IR?
6. What is document representative?
7. List out some high frequency words and why we called them high frequency words?
8. If input string = "some text is here" then what will be the output of Conflation Algorithm?
9. What is conflation algorithm? What is need of conflation?
10. What is luhn's idea?
11. What are different methods of stemming?
12. What is diff algorithm for suffix stripping?
13. What is major in porter's algorithm?
14. What is document representative?
15. What are the contents/formats of doc representative?
    Ans:(Keyword(conflated(stemmed)), frequency, occurrences, position)
16. How much % the doc reduces after conflation?
17. What is the use of finding similarity?
18. What are the different technique need for finding similarity?
19. What is rule for removing 'ing' in porter's algorithm?
20. Different stages of conflation.
21. What do you mean by cluster?
22. What is cluster Seed?
23. Why we need cluster in IR?
24. What is document based and Term based Clustering?
25. How can we define in relevance between documents?
26. How can we form the cluster of documents?
27. How many methods are there to define cluster?
28. Explain Single pass algorithm.
29. What do you mean by overlapping and exclusive approach?
30. What is meant by similarity matrix?
31. What is the time complexity and space complexity for Single Pass?
32. Which method is better for cluster definition?
33. What is clustering?
34. What is need of centroid?
35. What are the differences between clustering and classification?
36. What are the different methods of clustering?
37. Which method you have used?
38. What are different similarity functions/measures?
39. Write an example of clustering.
40. What is cluster hypothesis?
41. What is dendogram?
42. What are different search strategies?

43. What is the difference between single pass algo and single link algo?
44. What is measure of association?
45. What are the different methods of classification?
46. What are the uses of clustering in IR?
47. What is minimum spanning tree? Where it is used?
48. What do you mean by inverted file?
49. What is word-oriented mechanism?
50. What do you mean by dictionary?
51. What is the role of postings?
52. What are different applications of inverted index?
53. How inverted index is helpful in searching?
54. What do you mean by merging similar terms from different documents?
55. What is indexing?
56. What is the use of indexing?
57. What is the need of indexing?
58. What are the data structure used in indexing'?
59. What are different types of files?
60. How you will search in indexing?
61.  What is dictionary?
62. What is posting list?
63. What is index term weighting?
64. What is probalistic index?
65. Why the index is called as inverted index?
66. Difference in all 3 IR models.
67. Explain Probabilistic Model.
68. What do you mean by image histogram?
69. What are different types of file format for images?
70. What is the role of color model?
71. Compare different color models.
72. What is meant by crawler? Explain its working.
73. Give examples of Web Crawlers.
74. What is crawling?
75. When does Google use web crawler?
76. Difference between browsing and crawling?
77. Use of scheduler and crawler.
78. What is browsing?
79. Why we use scheduler in crawler?
80. What is multithreaded downloader in crawler.
81.  What is role of crawler?
82. What is URL?
83. What is meta crawler?
84. What is meta searcher?
85. What are methods of crawling?
86. How BFS and DFS is used in crawler?

87. What do you mean by search engine?
88. Explain the working of search engine.
89. What are different search strategies?
90. What is matching function?
91. What is the topic of paper you have studied in IR? Which problem is discussed in that paper? What solution is given in paper?
92. What is meant by ranking?
93. What is the necessity of ranking in IR?
94. Explain page ranking mechanism for Google.
95. Compare different types of search engines.
96. What is web search engine?
97. What is lexicon in google search engine?
98. What is difference between search engine and IR?
99. Which algo used by google page ranking.

100. What is difference between Typical IR and web search as an IR.
101. What is Semantic web and recommended system?
102. Component of recommended system.
103. Designing recommender system what all components can be used?
104. Difference between IR and Recommender system?
105. What is function, features, and properties of recommender system?
106. Draw typical block diagram of search engine.
107. Difference between normal computer search and IR System?