

**Theory - Strings**

- Q1. StringBuffer : Mutable, call by reference, different functions.
- Q2. Class, 0 and length()-1.
- Q3. (i) indexOf, substring (ii) endsWith(), equals()
- Q4. Word by word processing, util.
- Q5. Cannot be changed (directly)

**Theory(Worksheet) - Arrays**

- Q1. Collection of values/vars of the same type. Subscripted variable.
- Q2. Index
- Q3. Single/multi dim.
- Q4. Its data type.
- Q5. { }
- Q6. index in <0 OR >=a.length
- Q7. Declare, create.
- Q8. []
- Q9. char
- Q10. l-value
- Q11. 6
- Q12. char v[]={ 'A', 'E' ...};
- Q13. Another name for Single, double dim.
- Q14. All elements stored one after the other in mem.
- Q15. Number of elements
- Q16. Columns present.
- Q17. 40(5x2x4)
- Q18. Linear
- Q19. Sorted
- Q20. Binary- sorted, starts from mid
- Q21. Bubble sort- consecutive elements matched, swapping in j loop.
- Q22. 1,2,3,9,6,5,4
- Q23. 2,3,1,5,4,6,9
- Q24. Homogeneous type, static size.
- Q25. Give 2 advantages of arrays.
- Q26. (a) No of elements (b) No of rows
- Q27. (a) Error (b) No of columns
- Q28. By reference
- Q29. Its data type
- Q30. Blank.