

No. of Printed Pages : 2 **MCSL-216(Set-IV)**

**MASTER OF COMPUTER
APPLICATIONS (MCA-NEW)
Term-End Practical Examination
December, 2024**

MCSL-216(Set-IV) : DAA & WEB DESIGN LAB

Time : 2 Hours

Maximum Marks : 50

Note : (i) *This question paper comprises of two compulsory questions, each of 20 marks.*

(ii) *Rest 10 marks are for viva-voce.*

1. (a) Implement selection sort algorithm to sort the following list of numbers : 10

55, 25, 15, 40, 60, 35, 17, 65, 75, 10

Calculate the following :

- (i) Number of exchange operations are performed.
- (ii) Number of times comparison operations are performed.

- (b) Implement a recursive binary search on the system to search for a number 100 in the following array of integers given below :

10 35 40 45 50 55 60 65 70 100

2. Design a form for conducting the survey on customer satisfaction towards the product 'abc' of a company 'XYZ'. The form should have relevant fields. (Make suitable assumptions). The form should have submit and reset button. Now, perform the following :

5+5+5+5=20

- (a) Use JavaScript to validate all the fields in the form.
- (b) Submit button should enter the data of fields in the database.
- (c) Error message should be shown if text field is left blank.
- (d) Reset button should reset all the fields to blank.

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