

MCSL-216 (Set-3)
MASTER OF COMPUTER APPLICATIONS
(MCA-NEW)
DAA and Web Design Lab

Duration : 2 hours

Maximum Marks : 50

Note: 1. This question paper comprises of two Compulsory Questions, each of 20 marks.

2. Rest 10 marks are for viva-voce.

1. (a) Implement Huffman's coding algorithm and run on the problem instance given below: 10

Letters:	A	B	I	M	S	X	Z
Frequency:	10	7	15	8	10	5	2

(b) 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 performed.
- (ii) Number of times comparison operation performed.

(iii) Number of times the inner and the outer loops will iterate.

2. Design a form to take admission in any course offered by any university through its website. The form should have relevant fields (make suitable assumptions). The form should have submit and re-set button. Now perform the following: 20
- (a) Use java script to validate all the fields in the form.
 - (b) Submit button should enter data of fields in to the database.
 - (c) Error message should be shown if any text field is left blank.
 - (d) Reset button should reset all the fields to blank.
