No. of Printed Pages : 3 **MCSL–216(Set-I)**

MASTER OF COMPUTER APPLICATIONS (MCA-NEW)

Term-End Practical Examination

June, 2026

MCSL-216(Set-I) : DAA AND WEB DESIGN LAB

Time : 2 Hours *Maximum Marks : 50*

Note **:** *(i) This question paper is comprised of* ***two*** *Sections each with a compulsory question of 20 marks.*

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

Section—I

1. (a) Implement Euclid's algorithm to find GCD (26375, 25) and calculate the number of times mod and assignment operations will be performed. 10

(b) Implement the fractional Knapsack algorithm and find out the optional result for the following problem instance : 10

$(P_1, P_2, P_3, P_4, P_5, P_6, P_7) = (15, 5, 20, 8, 7, 20, 6)$

$(W_1, W_2, W_3, W_4, W_5, W_6, W_7) = (3, 4, 6, 8, 2, 2, 3)$

Maximum Knapsack capacity = 18.

Section—II

2. Perform the following :

(a) Create an HTML web page using JavaScript in which a cookie is created and stored, when the user clicks on the "Set Cookie" button. The stored cookie value is displayed on the web page when the user clicks on the "Get Cookie" button. 10

(b) Design an HTML web page containing a drop down list of colors, where selecting a color will change the background color of the webpage and stores the selected color in a cookie, so that the same background color is automatically restored whenever the webpage is reloaded. 10

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