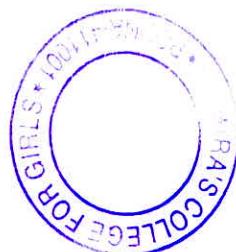


St. Mira's College for Girls, Pune
(Autonomous-Affiliated to SavitribaiPhule Pune University)
Subject:Mathematics Paper II Graph Theory BS22003
SEMESTER: II
Year 2020-2021

1. Unit No.: 2
2. Employability/Entrepreneurship/Skill development
Skill Development : Problem Solving, computing skills
3. Test on Connected graphs – Dijkstra's Algorithm - helps in problem solving, decision making

The screenshot shows a digital assignment interface. The main window displays a graph with vertices labeled a, b, c, d, e, f. The edges and their weights are: (a,b) = 2, (a,c) = 10, (a,f) = 1, (b,c) = 6, (b,d) = 5, (c,d) = 3, (c,e) = 5, (d,e) = 5, (d,f) = 2, (e,f) = 1. The question asks to find the shortest path from vertex a to every other vertex of the graph. Below the graph, there is a table labeled 'Table 1' with columns for vertices a, b, c, d, e, f. The table shows the shortest distances from vertex a: a(0), b(2), c(10), d(1), e(5), f(1). The table also includes a column for 'Page' with values 1, 2, 3, 4, 5, 6. To the right of the main window, there is a sidebar with a file list containing 'S4V_FLEX2_Mtpdf' and a grade section showing 'Grade 15/15'. The bottom of the interface shows a navigation bar with various icons.



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