**D.J.SANGHVI COLLEGE OF ENGINEERING**

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DIVISION:EXTC-H SCILAB PRACTICAL:5

DATE:14/03/2013 TITLE:TRAPEZOIDAL RULE

QUESTION NO:1

Given: I= 2)dx; h=0.1

PROGRAM:

x=[0:0.1:1.5]

deff('[y]=f(x)','y=1-x^2');

m=inttrap(x,f(x))

disp(m,'m=')

OUTPUT:

m=

0.3725

QUESTION NO 2:

Given: I= 3-2x+sinx dx; h=0.1

PROGRAM:

x=[0:0.1:1.0]

deff('[y]=f(x)','y=(x^3)-(2\*x)+sin(x)');

m=inttrap(x,f(x))

disp(m,'m=')

OUTPUT:

m=

- 0.2881855

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