## Sir Syed University of Engineering & Technology Answer script

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Roll Number:	2016-CE-026
Section:	A
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Course Name:	CVIT
Degree Program:	BSCE
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Start writing from here ...

$$Q + S (b)$$
i)  $b(2) = \frac{e^2}{(2-R)^3}$ 

Rinchie at
$$2 = 0$$

$$(0-36)(0-36)(0-26)$$

$$= d0$$
ii)
$$b(2) = 2 - \sin d(2)$$

$$= 2^3$$
Residu
$$ct = 0$$

$$= 0 - \sin(0)$$

$$= 0$$
An.

1850 6500 
$$(3\pi/6) + i \sin (3\pi/6) = 27/3 \cos (3\pi/6) = 27/3 \cos (3\pi/6) = 27/3 \sin (3\pi/6) = 27/3 \sin (3\pi/6) = 27/3 \cos (3\pi/6) = 27/3 \sin (3\pi/6) = 27/3 \cos (3\pi/6) = 27/3 \sin (3\pi/6) = 27/3 \cos (3\pi/6) = 27/3 \sin (3\pi/6$$

$$\frac{7\pi \omega}{4\sqrt{3}(1+1)} = \frac{1}{4\sqrt{16}} + \frac{1}{4\sqrt{16}} + \frac{1}{4\sqrt{16}} + \frac{1}{4\sqrt{16}} = \frac{1}{4\sqrt{16}} + \frac{1}{4\sqrt{16}} = \frac{1}{4\sqrt{16}} + \frac{1}{4\sqrt{16}} = \frac{1}{4\sqrt{16}}$$

Solidowth coot.

$$\sqrt{-3+8!}$$
 $-3+8!$ 
 $-3+8!$ 
 $23/2 \left(\cos\left(\frac{3\pi}{4}\right) + i\sin\left(\frac{3\pi}{4}\right)\right)$ 

According to De Moiver bornale of

According to De Moiver bornale of

A  $\left(\cos\left(\frac{3\pi}{4}\right) + i\sin\left(\frac{3\pi}{4}\right)\right)$ 

and  $\pi$ -th societ of complim mater.

A  $\left(\cos\left(\frac{3\pi}{4}\right) + i\sin\left(\frac{3\pi}{4}\right)\right)$ 
 $= \pi I$ 
 $\left(\cos\left(\frac{3\pi}{4}\right) + i\sin\left(\frac{3\pi}{4}\right)\right)$ 
 $= \pi I$ 
 $\left(\cos\left(\frac{3\pi}{4}\right) + i\sin\left(\frac{3\pi}{4}\right)\right)$ 

We have that  $\Lambda = 8II$ 
 $0 + 2\pi I$ 
 $0 + 3\pi I$ 
 $0 + 3\pi I$ 
 $0 + 3\pi I$ 
 $1 + 3$ 

Ans: I = 5 T/(1+x2)2 E) 8 5 1/(1+nr) h Let b(z) = 1  $(1+2z)^{2}$  b is clear that for 2 large  $b(2) \simeq \frac{1}{z^{2}}$  d 9.1 satisfie $6(2) \simeq \frac{1}{2^{\alpha}}$ Hypothesis of theorem of 9.1 satisfies 1 +(2) d 2 2 2 Ti & elside of 6 inside CI+CO Render

$$| \int_{C}^{+} | \int_$$

$$Sol = f(t) = cos (26t-7)$$

$$R = 26$$

$$2 \{f(t)\} = \int \{cos \cdot 26t - 7\}$$

$$Formali$$

$$cos (at-b) = s = cos (b) - a cos (c)$$

$$S^{2} = a^{2}$$

$$f(s) = scos (7) - 2cos (7)$$

$$S^{2} = a^{2}$$

$$(b)$$

$$F(s) = \int (7) - 2cos (7)$$

$$S^{2} = a^{2}$$

$$R + scal (6) = a cos (6)$$

$$S^{2} = a^{2}$$

$$Soliter = 1222 \times 100 = 0$$

$$S^{2} = 1245 \times 100 = 0$$

$$S^{2} = 126 \times 100 = 0$$

$$S^{3} = 1245 \times 100 = 0$$

$$S$$