Tag   : Calc1B.21-22.SampleTest2_Answers

Course   : **Calculus 1B**

Duration : 2 hours

Answers to the questions of Sample Test 2

1.   The correct answer is D)

2. $-4\sqrt{2} - 2\pi$

3. $\dfrac{\pi^4}{324}$

4. $\frac{1}{3}x^3 \ln x - \frac{1}{9}x^3 + C$

5.   The correct answer is C)

6. $P_3(x) = e + 3e(x-1) + \frac{7e}{2}(x-1)^2 + \frac{13e}{6}(x-1)^3$

7. $y = -\dfrac{2}{x^2 + 2\ln x - 3}$

8. $8\sqrt{2} - i \cdot 8\sqrt{2}$

9. $z_0 = 2e^{-i\frac{\pi}{10}}$, $z_1 = 2e^{i\frac{3\pi}{10}}$, $z_2 = 2e^{i\frac{7\pi}{10}}$, $z_3 = 2e^{i\frac{11\pi}{10}}$, $z_4 = 2e^{i\frac{15\pi}{10}} = 2e^{i\frac{3\pi}{2}}$

10. $y = 2e^{-2x} - 2e^{-3x}$