ONLINE QUIZ - PSOC (15EE61) - (2018-19) - Sec. A

Due May 6, 3:30 PM

7th & 8th Sem. A Section (2015-19)

... Edit Submissions

Overview Students

7th & 8th Sem. A Section (2015-19)

49 Graded · 0 Ungraded · 1 Not Turned In

AVERAGE SCORE

43%

11 / 25 points

MEDIAN SCORE

40%

10 / 25 points

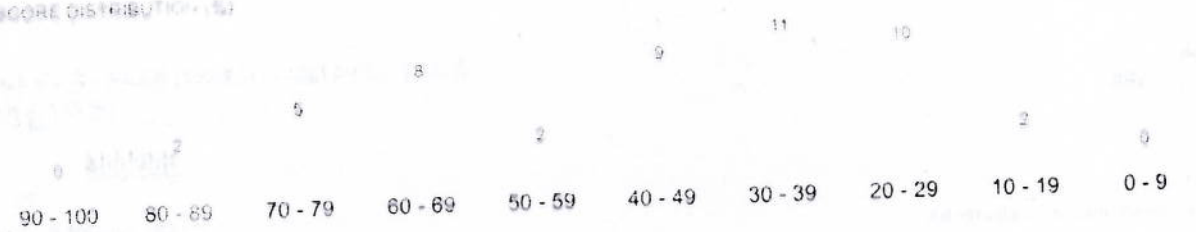
HIGHEST SCORE

80%

20 / 25 points

QUESTION BREAKDOWN

SCORE DISTRIBUTION (49)



Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road.
Bangalore-560 057

ONLINE QUIZ - PSOC (15EE81) - (2018-19) - Sec. A

Due May 6 @ 3:30 PM

7th & 8th Sem. A Section (2018-19)

... Edit Submissions

Overview Students

7th & 8th Sem. A Section (2018-19)

Student	Time Submitted	Score
lohith gowda	May 6, 3:05 PM	13 / 25
Manoj B N	May 6, 3:05 PM	4 / 25
handan Gowda P	May 6, 3:05 PM	9 / 25
Manoj N	May 6, 3:06 PM	3 / 25
Chandan k Chandu	May 6, 3:06 PM	8 / 25
Kaushith Gowda M	May 6, 3:06 PM	10 / 25
Antony Roshan Dsouza D'souza	May 6, 3:07 PM	7 / 25
akhilesh kalgutkar	May 6, 3:07 PM	9 / 25
Chaitra S	May 6, 3:07 PM	15 / 25
Aruna Bp	May 6, 3:07 PM	15 / 25
Jayanth M V	May 6, 3:07 PM	11 / 25
Keerthan Kumar	May 6, 3:07 PM	7 / 25
AJAY BHAVA S	May 6, 3:08 PM	8 / 25
Kiran Kumark	May 6, 3:08 PM	18 / 25
Jeevitha A	May 6, 3:08 PM	8 / 25
Karthik B	May 6, 3:09 PM	7 / 25
Lakshmana H R Lakshmana	May 6, 3:09 PM	10 / 25
GURURAJA D	May 6, 3:09 PM	6 / 25
Chandan G	May 6, 3:09 PM	7 / 25
Manish Naicker	May 6, 3:10 PM	8 / 25
chandan kumar gupta	May 6, 3:10 PM	8 / 25
Manasa H	May 6, 3:10 PM	11 / 25
Dhanush P	May 6, 3:10 PM	9 / 25

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anugna kumar	May 6, 3:10 PM	15 / 25
Lavanya Kumaravel	May 6, 3:10 PM	8 / 25
GANESH S	May 6, 3:11 PM	15 / 25
Bharitha M S	May 6, 3:11 PM	15 / 25
Harish Kumar	May 6, 3:11 PM	10 / 25
Irene Jacob	May 6, 3:11 PM	13 / 25
Athiya Mohammedi	May 6, 3:11 PM	7 / 25
Balaji kv	May 6, 3:11 PM	10 / 25
ARPITHA SRINIVASA MURTHY	May 6, 3:11 PM	13 / 22
Anup H V	May 6, 3:11 PM	7 / 25
Manohara S	May 6, 3:13 PM	15 / 25
chandana basavaraj	May 6, 3:12 PM	8 / 25
harshith gowda	May 6, 3:12 PM	5 / 25
Harshitha V	May 6, 3:12 PM	20 / 25
Tejashree G	May 6, 3:13 PM	17 / 25
Keerthana Rajacharya	May 6, 3:13 PM	15 / 25
Apoorva K G	May 6, 3:13 PM	18 / 25
Anusha Gowda	May 6, 3:13 PM	15 / 25
Akhilesh Akhil	May 6, 3:13 PM	10 / 25
Arpita Sharma	May 6, 3:13 PM	8 / 25
Chaya K	May 6, 3:14 PM	18 / 25
Annapurna singh Singh	May 6, 3:14 PM	6 / 25
mohana naidu	May 6, 3:14 PM	11 / 25
Manish Vivaswaan	May 6, 3:14 PM	18 / 25
Kranthikumar G S Kranthi	May 6, 3:14 PM	8 / 25
Geetha S	May 6, 3:15 PM	20 / 25
Darshan N	Not Turned In	-

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SAPTHAGIRI COLLEGE OF ENGINEERING,BANGALORE
DEPARTMENT OF MATHEMATICS

1. The convergence of which of the following method is sensitive to starting value

a.) False position b.) Gauss seidel method c.) Newton raphson method d.)All of these

2. Newton raphson method to find the root of the equation $x^2 - 2 = 0$ if iterations are started from -1 then iteration will be

a.) Converge to -1 b.) converge to 2 c.) converge to $-\sqrt{2}$ d.) no converge

3. Match the following

A. Newton raphson	1. Integration
B. Runge kutta	2. Root finding
C. Gauss seidel	3. Ordinary differential equation
D. Simpson's rule	4. Sollution of system of linear differential equation

Code ABCD

a.) 2341 b.) 3214 C.) 1423 d.) None of these

4. If $f(x,y,z) = (x^2 + y^2 + z^2)^{-\frac{1}{2}}$ then $\frac{\partial^2 f}{\partial x^2} + \frac{\partial^2 f}{\partial y^2} + \frac{\partial^2 f}{\partial z^2}$ is

a.) 0 b.) 1 c.) 2 d.) None of these

5. Partial differential equation $z = f(x^2 - y^2)$ is

a.) $px + qy = 0$ b.) $py + qx = 0$ c.) $px^2 + qy^2 = 0$ d.) $p^2x + q^2y = 0$

6. Sollution of $\frac{\partial^2 z}{\partial y^2} = \sin(xy)$ is

a.) $z = -xsinxy + y + \emptyset(x)$ b.) $z = -x^2 sinxy + y^2 f(x) + \emptyset(x)$

c.) $z = -x^2 sinxy + y^2 f(x) + x\emptyset(x)$ d.) $z = -x^2 sinxy + yf(x) + \emptyset(x)$

7. Integrating factor for the D.E $cos^2 x \frac{dy}{dx} + y = tanx$

a.) e^{tanx} b.) e^{-tanx} c.) $sin2x$ d.) $cos2x$

8. The equation $\frac{d^2y}{dx^2} + (x^2 + 4x)\frac{dy}{dx} + y = x^8 - 4$ is

a.) P D E b.) Non linear D E c.) O D E d.) Non homogeneous D E

c.) Both Real part and Imaginary pary of f(z) is analytic

d.) None of these

9. If f(z) is analytic and $f'(z)$is continuous at all points in the region bounded by the simple closed curve c_1 and c_2 then

a.) $\oint_{c_1} f(z) = \oint_{c_2} f(z)$ b.) $\oint_{c_1} f(z)dz \neq \oint_{c_2} f(z)dz$

c.) $\oint_{c_1} f'(z)dz = \oint_{c_2} f'(z)\,dz$ d.) $\oint_{c_1} f'(z)dz \neq \oint_{c_2} f'(z)dz$

10. A function "u"is said to be harmonic if and only if

a.)$u_{xx} + u_{yy} = 0$ b.) $u_{xy} + u_{yx} = 0$ c.) $u_x + u_y = 0$ d.) $u_x - u_y = 0$

11. The points at which $f(z) = \frac{z^3-z}{z^3-3z+2}$ is not analytic are

a.) 0,1 b.) 1,-1 c.) 1,2 d.) 1,3

12. Sample is a subset of

a.) population b.) data c.) set d.) distribution

13. A Population contain 'N' item and all possible sample of size 'n' are selected without replacement, the possible number of sample will be

a.) N b.) N^n c.) Nc_n d.) None of these

14. Which of the following is a possible alternative hypothesis H_1 for a two tailed test

a.) $\mu < 30$ b.) $\mu \neq 30$ c.) $\mu = 30$ d.) $\mu \geq 30$

15. The finite population correction factor is

a.) $\sqrt{\frac{N-1}{N-n}}$ b.) $\sqrt{\frac{N+n}{N+1}}$ c.) $\sqrt{\frac{N-n}{N-1}}$ d.) $\sqrt{\frac{N-n}{N+1}}$