

Computing Infrastructures - July 10, 2024

Answer Sheets (Page 3)

Student ID (Codice Persona): SOLUTIONS
True/False Questions
Question 01 : 🖂 A 🔲 B
Question 02: A B
Question 03: A B
Question 04: 🗖 A 🔲 B
Question 05 : A B
Question 06: A B
Question 07: A B
Question 08: A B
Question 09 : A B
Question 10: A B
Exercises
Question 11 : Disk Rotation Speed [RPM] = 10.000
Question 12: Number of 1/O operations = $ZR + 2W = 4$
Question 13: Minimum $MTTF_{ServerC}$ [hours] = 2400 h
Question 14: Maximum number of servers = $8 \times 6 = 32$
Question 15: $D_{S1} = 0.75, D_{S2} = 7.25, U_{S1} = 0.25, U_{S2} = 0.75$
Question 16: $N_{S1} = 12$ Question 16: $N_{S2} = 12$



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Student ID (Codice Persona): SXUT(ONS
True/False Questions
Question 01: A B
Question 02: A B
Question 03: A B
Question 04: A B
Question 05: 🔀 A 🔲 B
Question 06: A B
Question 07: A AB
Question 08: A B
Question 09: A B
Question 10: A AB
Exercises
Question 11: Disk Rotation Speed [RPM] = 6000
Question 12: Number of I/O operations = $2R + 2W = 4$
1000
Question 13: Minimum $MTTF_{ServerC}$ [hours] = $\sum_{i=1}^{n} \frac{1}{2} $
Question 14: Maximum number of servers = .6×3 = 18
Question 15: $D_{S1} = \frac{1.5}{1.5}$, $D_{S2} = \frac{2.125}{5}$, $U_{S1} = \frac{0.5}{0.5}$, $U_{S2} = \frac{0.706}{0.5}$
Question 16: $N_{S1} = \dots \qquad \qquad$



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Student ID (Codice Persona): SXUTIONS

True/False Quest	tions
Question 01:	□A ဩB
Question 02:	\square \square \square \square \square \square \square
Question 03:	□A DB
Question 04:	□A ဩB
Question 05:	□А 🖾В
Question 06:	⊠ A □B
Question 07:	□A 🍱B
Question 08:	□A >B
Question 09:	⊠ А □В
Question 10:	Ď(A □B

Exercises

Question 11 : Disk Rotation Speed [RPM] =
Question 12: Number of I/O operations = $3R + 3W = 6$
Question 13: Minimum $MTTF_{ServerC}$ [hours] = > 1800
Question 14: Maximum number of servers = $8 \times 6 = 32$
Question 15: $D_{S1} = 1.5$ $S_{S1} = 2.125$ $S_{S2} = 2.125$ $S_{S1} = 2.0$ $S_{S2} = 2.125$ $S_{S1} = 2.0$
Question 16: $N_{S1} =$



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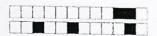
Answer Sheets (Page 3)

Student ID (Codice Persona): Student ID (Codice Persona):
True/False Questions
Question 01: A B
Question 02 : $\square A \square B$
Question 03 : A B
Question 04: \[\begin{aligned} \begin{aligned} \A \begin{aligned} \begin{aligned} \B \end{aligned} \B \end{aligned}
Question 05 : A B
Question 06: A B
Question 07: 📈 A 🔲 B
Question 08: A B
Question 09 : A 🔀 B
Question 10: 🖂 A 🔲 B
Exercises
Question 11 : Disk Rotation Speed [RPM] =
Question 12: Number of I/O operations = $2R + 2W = 4$
Question 13: Minimum $MTTF_{ServerC}$ [hours] = > 1800
Question 14: Maximum number of servers = $$
Question 15: $D_{S1} = 0.345_{S}D_{S2} = 0.56.5$. $U_{S1} = .0.25U_{S2} = 0.37$
Question 16: $N_{S1} =$



Computing Infrastructures - July 10, 2024 Answer Sheets (Page 3)

Student ID (Codice Persona): SUTTONS
True/False Questions
True, Laise Questions
Question 01: A B
Question 02: \(\sum_A \subseteq B
Question 03: A B
Question 04: \(\sum_A \subseteq B \)
Question 05: A B
Question 06: A B
Question 07: A B
Question 08: A BB
Question 09: B
Question 10: A B
Exercises
Question 11 : Disk Rotation Speed [RPM] = 10000
70.20
Question 12: Number of I/O operations = $ZR + ZW = 4$
Question 13: Minimum $MTTF_{ServerC}$ [hours] = $\frac{7}{8}$
Question 14: Maximum number of servers = $.6 \times 3 = .18$
Question 15: $D_{S1} = 1,5,5$ $D_{S2} = 7.125,5$ $U_{S1} = 0.5.$ $U_{S2} = 0.708$
0 11
Question 16: $N_{S1} = \dots \qquad \qquad$



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Student ID (Codice	Persona):	Sco	TIONS	
Thurs (F. L. O. a. I.)				
True/False Questions				
Question 01: A	В			
Question 02 : 🔼 A	В			
Question 03: \(\int A	В			
Question 04: 🔀A	В			
Question 05 : 🖂A	В			
Question 06 : A	${\bf \Sigma}_{\rm B}$			
Question 07: A	В			
Question 08:	B			
Question 09 : A	A (8)			
Question 10: 🖺 A	В			
Exercises				
Question 11 : Disk Re	ntation Speed [RPM	10.00	0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		70,21	u = 1	
Question 12 : Number	of I/O operations	=CVC.T.C	v= 4	************
Question 13: Minimu	m MTTFa all	10 7 Z40	0	
Question 14: Maximu	um number of serve	rs = 824 =	52	
Question 15 : $D_{S1} =$	0375 Ds2 =	0,56 25 Us1 =	0,25 Us2	= 0.375
Question 16 : $N_{S1} =$				