

CS302 2014 Final – Answer Sheet

Name: _____

UTK Email: _____

Question 1: (Circle the correct answer)

Part A: Yes No

Part B: Yes No

Part C:

AF	AG	BG	BH
CH	CI	DI	DJ
EJ	FK	FL	GL
GM	HM	HN	IN
IO	JO	KP	KQ
LQ	LR	MR	MS
NS	NT	OT	PZ
QZ	RZ	SZ	TZ
YA	YB	YC	YD
YE			

Part D:

AY	BY	CY	DY
EY	FA	GA	GB
HB	HC	IC	ID
JD	JE	KF	LF
LG	MG	MH	NH
NI	OI	OJ	PK
QK	QL	RL	RM
SM	SN	TN	TO
ZP	ZQ	ZR	ZS
ZT			

Part E:

-249
-98
-38
-28
-18
-14
-12
-4
4
12
14
18
28
38
98
249

Part F:

AF	AG	AY	BG	BH	BY	CH	CI	CY	DI	DJ	DY	EJ
EY	FA	FK	FL	GA	GB	GL	GM	HB	HC	HM	HN	IC
ID	IN	IO	JD	JE	JO	KF	KP	KQ	LF	LG	LQ	LR
MG	MH	MR	MS	NH	NI	NS	NT	OI	OJ	OT	PK	PZ
QK	QL	QZ	RL	RM	RZ	SM	SN	SZ	TN	TO	TZ	YA
YB YC YD YE ZP ZQ ZR ZS ZT												

Part G:

88	94	100	105	116	122	137	141
145	152	157	165	178	184	190	198
207	221	230	249	250	277	282	290
299	306	311	333	343	347	377	388

Question 2

Part 2: Circle the answer:

Dijkstra Topological-Sort

Part 1: Circle the answer:

- a. A C I O P
- b. A C I O P L F
- c. A C I O P B L F
- d. A C I O P B E F M L
- e. A C I O P B E M F L
- f. A C I O P B E M L F
- g. A C I O P B E M L F D J
- h. A C I O P B E M L F J D
- i. A C I O P B M E F L
- j. A C I O P B M E L F
- k. B E F H M L
- l. B E F H M L D J
- m. B E F M L
- n. B E M F L
- o. B E M H F L
- p. B E M H F L J D
- q. B E M H L F
- r. B E M H L F J D
- s. B E M L F
- t. B M E F L
- u. B M E H F L
- v. B M E H L F
- w. B M E L F

Part 3: Write your answer here:

Question 5

Part 1: Circle the answer:

(as it turned out, the correct answer wasn't there - ha ha - so I had you write in your answer.

Part 2:

Part 3:

Name: _____

UTK Email: _____