國立臺灣大學98學年度碩士班招生考試試題

題號:213 科目:營建管理

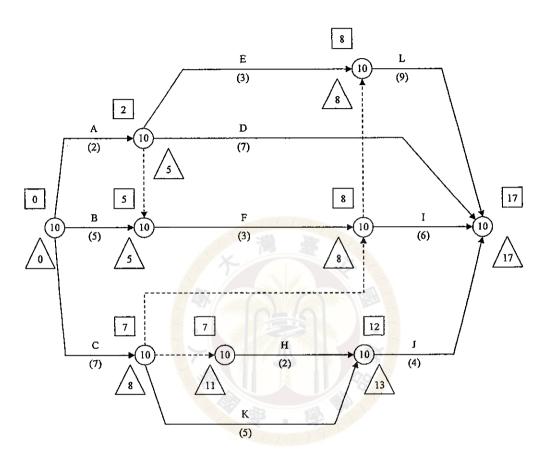
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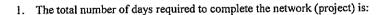
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※ 注意:請於試卷上依序作答,並應註明作答之大題及其題號。

I. (28%) Given the following activities (unit of time is day) and answer the following questions.

Assume that the working hours of every day are from 8 am to 5 pm.





- a. 16
- b. 17
- c. 18
- d. 19
- e. 20

- 2. The Critical Path includes Activities:
 - a. B, F, L
- b. B, F, I
- c. C, K, J
- d. A, E, L
- 3. The earliest time that Activity J can start is in the morning of day:
 - a. 9
- b. 10
- c. 11
- d. 12
- e. 13
- 4. The early finish time for Activity D is in the evening of day:
 - a. 7
- b. 8
- c. 9
- d. 10
- e. 11
- 5. The latest time Activity A must be finished is in the evening of day: (otherwise the project will be delayed)
 - . .
- b. 3
- c. 4
- d. 5
- e. 6

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		6.	The latest time Activity H must start is in the morning of day: (otherwise Activity J can not start at its early start)													
			a. 7		ь. 8	•	s. 9		d. 10	(e. 11					
		7.	Assume that all Activities start at their early start (except Activity J). If Activity H takes 6 days to complete. What is correct?													
٠			a.	That Act	ivity J car	not sta	rt at its ea	arly star	rt (ES).							
		b. The total project will be delayed by 1 day.														
	c. Neither the project completion nor early starting time of Activity J will be affected.															
II.	Des	cribe the	general i	rinciple	s of risk n	nanagei	nent? Ho	ow to g	uantify the	risk?	(12%))				
III A	ccor	ding to		standa	rds & gu	ideline	publicat	tion of	Project M				ite (PM	I), wh	at are th	e 9
IV. W	hat a	re the a	dvantage	s of usir	ıg BOT t	o deliv	er a cons	structe	ed project	from	gover	nmenta	l point	of viev	w? (14%	6)
V. W	/hat i	is Const	ruction I	/Ianagei	nent? Ho	ow do y	ou defin	ie it? (8%)							
VI.	Wha	it are the	differenc	es amon	g the follo	wing ty	pe of cor	ntracts	(12%)?							
2.	Uni Cos	m-Sum it Price st Plus aranteed l	Maximum	Price												
	VII.	CPM &	PERT (8%)												
	1.	In gener	al, when v True	e use PE	RT, we ha	ave three	duration False	estima	ites for each	activi	ity.					
	2.	The thre	e estimate stic duratio True	d duratio n, and c)	ns for eacl Most like	h activit	y in Progr ion. False	ram Ev	aluation Re	view 1	rechnig	gue (PER	.T) are: :	a) Optin	mistic dura	ation, b)
	3.		sing PER? istic durati True					ctivity i	s equal to:							
	4.	a. b. c.	name of C Construct Critical Pa Critical Pa Creative I	ve Produ th Metho ss Metho	od od											