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## **ND-111**

#### December-2015

### B.C.A., Sem.-V

### **SEC-301(1): Software Project Management**

Tim	ie: 3	Hours			[Max. Marks : 7	/υ	
1.	(a)	Which are in detail.	the activities cover	•	vare project management? Explain them	7	
				OR			
	(b)		ogramme. Explain of st-benefit analysis  OR		ns of programmes.	7	
		· /	ne Stakeholder and		s. are Project Management and Other types	3	
		of P	roject.			4	
2.	(a)	Explain Incremental Delivery.  OR					
	(b)	-	asons to follow softern Process Mode  OR		ype.	7	
				-	12 outputs. The new project B has 15 lidean Distance.	3	
		(ii) Explain Albrecht Function Point Analysis.					
3.	(a)	Draw the Activity on Node network diagram for the following problem. Find o critical path and total duration.					
			<b>Duration (Days)</b>				
		A	4	_			
		В	6	A			
		С	3	A			
		D	6	В			
		Е	14	D			
		F	5	С			
		G	2	E & F			
		Н	2	G			
		I	3	G			
		J	4	H & I			
		K	2	J			

OR

Explain labelling conventions of activity on node network.

	(b)	Explain Risk Identification.	7					
		OR Explain Risk Planning.						
		DAPIGIT KISK I KIMINIS.						
4.	(a)	Explain Gantt chart.	7					
		OR						
		Explain fixed price per unit delivered contract.						
	(b)	List out nature of resources and explain them in brief.	7					
		OR						
		(i) Define 0/100, 75/25 and Milestone technique.	3					
		(ii) Define Mandatory and Desirable requirements.	4					
5.	Ansv	nswer the followings:						
	(1)	A is a planned activity.						
	(2)	Forecasts of rates tend to be uncertain.						
	(3)	An estimation is based on the advice of knowledgeable staff is technique.						
	` ′	(a) algorithmic models (b) analogy						
		(c) price to win (d) expert judgment						
	(4)							
		(a) Off-the-shelf (b) Customized-off-the-shelf						
		(c) bespoke (d) None of above						
	(5)	CPI=/						
	` ′	(a) EV, AC (b) AC, EV						
		(c) AC, PV (d) EV, PV						
	(6)	A very jagged slip line indicates a need for						
	` ′	(a) redrawing (b) rescheduling						
		(c) recalculating (d) None of the above						
	(7)	The total service time divided by the number of failures is known as						
	` ′	(a) Availability (b) Mean time between Failure						
		(c) Failure on demand (d) Support Activity						
	(8)	PERT stands for						
		Risk Exposure = *						
		WTO stands for						
		Write down Brook's Law.						
	` ′	is a method for calculating 'loss' in days rather than money.						
		Effort = *						
		Waterfall Model is expanded into model.						

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# **ND-111**

#### December-2015

## B.C.A., Sem.-V

SEC-301(2): Advanced Java

TIM	e: 3	Hours] [Max. Marks : 7	U
1.	(A)	<ul> <li>(1) Give differences between serialization and deserialization. Explain methods of Scanner class.</li> <li>(2) What is stream? Explain InputStream and OutputStream.</li> </ul>	8
	(B)	Explain following methods with example:  (a) getName() (b) lastModified()  (c) canWrite() (d) getPath()  What is random access file? Explain read(), write(), and seek() methods.  OR  How can we reading and writing data to and from file? Explain.	6
2.	(A)	Answer the following: (1) Write inheritance tree of JFrame class. Explain the constructors of the	<b>5 3</b>
	(B)	Answer the following: (1) Explain constructors of JLabel class. Explain setFont() method in detail.	5 3 6
3.	(A)	JComboBox class.	6 8
	(B)	OR  Answer the following:  (1) Write a short note on Datagram socket.  (2) Explain java.net package with diagram.  Answer the following:  (1) Write a short note on FlowLayout.  (2) Explain CardLayout.	8
		OR Answer the following: (1) Write a short note on BorderLayout. (2) What are event handlers? Write listener and handlers of any two events.	6
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4.	(A)	Answer the following:							
		(1) Explain prepared statement and callable statement.	4						
		(2) Explain getConnection() method in detail.	3						
		OR							
		Write the steps for JDBC connection. Explain methods of connection interface.	7						
	(B)	How a user can update data into database? Explain with proper example.	7						
		OR							
		Explain types of JDBC driver.							
_	Ъ		1 1						
5.		as directed.	14						
	(1)	The File class is provided by							
		(a) java.lang package (b) java.awt package							
	(2)	(c) java.io package (d) None of the above							
	(2)	method is used to remove components from applet.							
	(3)	• • • • • • • • • • • • • • • • • • • •							
	(4)	A group of characters that has meaning is a							
		(a) Field (b) Byte							
		(c) Record (d) File							
	(5)	A Container object can be created using the add() method. [T/F]							
	(6)	Most streams flow							
		(a) in							
		(b) out							
		(c) Either in or out, but only in one direction							
		(d) Both in and out concurrently							
	(7)	Layout manager is an object that controls the size and position of components							
		inside container object. [T/F]							
	(8)	causes the insertion point to appear within the JTextField.							
		(a) setEditable() (b) requestFocus()							
		(c) setText() (d) None of the above							
	(9)	Match the following:							
		I. Button a. ItemListener							
		II. Scrollbar b. ActionListener							
		III. Checkbox c. AdjustmentListener							
		(a) I-a, II-b, III-c (b) I-b, II-c, III-a							
		(c) I-c, II-a, III-b							
		(d) I-b, II-a, III-c							
	(10)	The UDP stands for user datagram packet. [T/F]							
		For loading the JDBC-ODBC driver in the Java program, method is							
	` /	used.							
	(12)	For database communication in a Java application or an applet, we should import							
	. ,	the java.sql package. [T/F]							
	(13)	For extracting the host address, the class is used.							
	( - )	(a) ServerSocket (b) Socket							
		(c) InetAddress (d) URL							
	(14)	The GridLayout is use when we need to add components from left to right. [T/F]							
	` /	, , , , , , , , , , , , , , , , , , , ,							

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