

University of Mumbai
Examination 2020 under cluster 4 (PCE)

Program: TE Information Technology

Curriculum Scheme: Rev2012

Examination: Third Year Semester V

Course Code: TEITC505 and Course Name: Open Source Technology

Time: 1 hour

Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	GNU Privacy Guard allows to _____
Option A:	only for encryption
Option B:	only for signing
Option C:	not used for encryption as well as for signing
Option D:	encrypt and sign the data and communications
Q2.	Which option is used by sed to specify that the following string is an instruction or set of instructions?
Option A:	-n
Option B:	-e
Option C:	-f
Option D:	-i
Q3.	Which of the following commands let us perform a set of instructions repeatedly?
Option A:	for
Option B:	while
Option C:	until
Option D:	for, while, until
Q4.	What is the purpose of <dmesg> command?
Option A:	Shows user login logoff attempts
Option B:	Shows the Syslog file for info messages
Option C:	kernel log messages
Option D:	Shows the daemon log messages
Q5.	To access the phone number of a contact, you need to query against the URI stored in
Option A:	ContactsContract.CommonDataKinds.Phone.CONTENT_URI.
Option B:	Contacts.CommonDataKinds.Phone.CONTENT_URI.
Option C:	ContactsContract.Common.Phone.CONTENT_URI.
Option D:	ContactsContract.CommonDataKinds.Phone
Q6.	Identify the incorrect statement regarding FTP.
Option A:	FTP stands for File Transfer Protocol
Option B:	FTP uses two parallel TCP connections
Option C:	FTP sends its control information in-band
Option D:	FTP sends exactly one file over the data connection
Q7.	Which of the following is a open source software?
Option A:	git

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Option B:	ssh
Option C:	anaconda
Option D:	Adobe Photoshop
Q8.	Which of the following is invalid variable names
Option A:	OST_1
Option B:	OST1
Option C:	ost_10_OST
Option D:	OST_!
Q9.	_____ file stores essential information, which is required during login and _____ file stores actual password in encrypted format for user's account
Option A:	/etc/shadow, /etc/group
Option B:	/etc/passwd , /etc/shadow
Option C:	/etc/passwd , /etc/group
Option D:	/etc/init , /etc/passwd
Q10.	which is correct version of sed command to display lines from 10-20 from myfile.txt
Option A:	sed -n '10,20p' myfile.txt
Option B:	sed '10,20p' myfile.txt
Option C:	sed -p '10,20' myfile.txt
Option D:	sed -n '10,20d' myfile.txt
Q11.	As per Free Software Foundation what is NOT meant by Copyleft
Option A:	It is a general method for making a program exercise freedom
Option B:	Copyleft also provides an incentive for other programmers to add to free software.
Option C:	Copyleft also helps programmers who want to contribute improvements to free software get permission to do so.
Option D:	Copy left allows people to convert the program into proprietary software.
Q12.	Android provides the _____ object to help you save simple application data
Option A:	SharedPreferences
Option B:	CheckBoxPreference
Option C:	EditTextPreference
Option D:	PreferenceScreen
Q13.	_____ backup record all data that has changed since performing your last full backup and _____ backups record all changes made since your last full backup.
Option A:	Dump, incremental
Option B:	Full,differential
Option C:	Partial,Differential
Option D:	Incremental , Differential

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Q14.	Name the permissions you need to declare in your AndroidManifest.xml file for sending and receiving SMS messages.
Option A:	The two permissions are SEND_SMS and RECEIVE_SMS.
Option B:	The two permissions are SENDSMS and RECEIVESMS.
Option C:	The two permissions are SEND_MSG and RECEIVE_MSG.
Option D:	The two permissions are SEND and RECEIVE.
Q15.	Which one of the following allows client to update their DNS entry as their IP address change?
Option A:	mail transfer agent
Option B:	authoritative name server
Option C:	request is not processed
Option D:	dynamic DNS
Q16.	Name the classes used for dealing with JSON messages.
Option A:	The classes are JSONArray and JSONObject
Option B:	The classes are JArray and JObject
Option C:	The classes are JArray and JSON1Object
Option D:	The classes are JSArray and JSObject
Q17.	What approach does an application use to communicate with the kernel?
Option A:	System Calls
Option B:	C Programs
Option C:	Shell Script
Option D:	Shell
Q18.	How to pass the data between activities in Android?
Option A:	Intent
Option B:	Content Provider
Option C:	Broadcast receiver
Option D:	Data Provider
Q19.	What is a job and which command is used to suspend a job
Option A:	group of processes, ctrl-Z
Option B:	group of commands, ctrl-Z
Option C:	group of signals, ctrl-Q
Option D:	group of processes, ctrl-A
Q20.	Name the methods that you need to override in your own implementation of a content provider
Option A:	The methods are getType(), onCreate(), onquery(), onInsert(), onDelete(), and onUpdate().
Option B:	The methods are getType(), onCreate(), query(), toInsert(), toDelete(), and toUpdate().
Option C:	The methods are getType(), onCreate(), query(), paste(), copy(), and update().
Option D:	The methods are getType(), onCreate(), query(), insert(), delete(), and update().
Q21.	Which freedom is NOT one of the four essential freedoms that makes a software,

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	a free software
Option A:	The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1). Access to the source code is a precondition for this.
Option B:	The freedom to distribute copies of your modified versions to others
Option C:	The freedom to redistribute copies so you can help others
Option D:	The freedom to sell copies so you can help others
Q22.	What is the correct comparison statement in Linux shell Scripting?
Option A:	if \$x -gt \$y
Option B:	if [\$x -gt \$y]
Option C:	if (\$x -gt \$y)
Option D:	if (\$x > \$y)
Q23.	Which of the following are the rules/policies in IPTable?
Option A:	Accept, Reject, Drop
Option B:	Receive, Send, Delete
Option C:	Input, Output, Forward
Option D:	Input, Drop, Receive
Q24.	How to get a response from an activity in Android?
Option A:	startActivityForResult
Option B:	startActiivtyForResult
Option C:	Bundle
Option D:	ActivityResponse
Q25.	which command is used to transfer data from or to a server
Option A:	wget
Option B:	curl
Option C:	FTP
Option D:	sed

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Question	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	D
Q2.	A
Q3.	D
Q4	C
Q5	A
Q6	C
Q7	D
Q8.	D
Q9.	B
Q10.	A
Q11.	D
Q12.	A
Q13.	D
Q14.	A
Q15.	D
Q16.	A
Q17.	A
Q18.	A
Q19.	B
Q20.	D
Q21.	D
Q22.	B
Q23.	A
Q24.	A
Q25.	B