B.Sc Computer Science
Semester V
BCS 504 Core -21 : Linux and PHP
Multiple Choice questions

1. /temp is a type of filesystem directory

A: True
B: False

Right Answer: B

2. Which of the following commands delete the files from the /tmp directory, issued by non-root user?

A: rmdir -rf /tmp/*
B: rm -rf /tmp/* -su
C: su -c "rm -rf /tmp/*"
D: su "rm -rf /tmp/*"

Right Answer: C

3. Echo is used to Display message on screen. Which of the following options below should be used with echo to not output the trailing newline?

A: /e
B: /n
C: -n
D: both b and c

Right Answer: C

4. The basic function of _____ is to search files for lines (or other units of text) that contain a pattern.

A: awk
B: search
C: %awk
D: cat

Right Answer: A

5. What is the content of /etc directory?

A: Configuration files for your system.
B: Contains the system startup scripts
C: Both a and b
D: User specific settings for programs like IRC, X etc.

Right Answer: C

6. What is the difference between linux file system and windows file system?

A: Under Linux, the various partitions are detected at boot and assigned a drive letter whereas Under windows, unless you mount a partition or a device, the system does not know of the existence of that partition or device.
B: Under Windows, the various partitions are detected at boot and assigned a drive letter whereas Under Linux, unless you mount a partition or a device, the system does not know of the existence of that partition or device.
C: Under Windows, the various partitions are detected at reboot and assigned a drive letter whereas Under Linux, unless you mount a partition or a device, the system does not know of the existence of that partition or device.
D: Under Windows, the various partitions are detected at reboot and assigned a drive letter whereas Under Linux, you mount a partition or a device.

Right Answer: B

7. Which of the following below is/are true for Date command?

A: It can work w/o arguments
B: It always needs an argument
C: It always need to have a+ as an argument
D: None of the above

Right Answer: A

8. What is the default number of shell commands saved in the history list of .cshrc file?

A: 200
B: 100
C: 150
D: 175

Right Answer: A

9. mount -r is used to mount a file in read only mode

A: True
B: False

Right Answer: A

10. The advantage of using NFS rather than Samba for file sharing in Linux is

A: files saved as .tar extension
B: compressed files
C: compatibility with Windows file sharing
D: None of the above

Right Answer: C

11. Which of the following supports for creating a Linux VPN (Virtual Private Network)?

A: RC2
B: 3DES
C: chap
D: NTLMv2

Right Answer: B

12. Find command can search for files by

A: date
B: size
C: name
D: all of above

Right Answer: D

13. How can we find the current value for shell variables?

A: Set command
B: Display command
C: val command
D: Currval command

Right Answer: A

14. CWD is a type of shell variable

A: True
B: False

Right Answer: A

15. Which framework is provided for the programs to interchange information about Linux OS?

A: Resource Sharing Framework
B: Resource Security Framework
C: Information Sharing Framework
D: Resource Definition Framework

Right Answer: D

16. What is the difference between PATH and path?

A: PATH and path specify directories to search for commands and programs
B: Both variables always represent the same directory list
C: altering either automatically causes the other to be changed
D: All choices are correct.

Right Answer: D

17. How much usable space is available, when a Linux system is configured with a RAID 5 array that consists of six 20 GB hard disk drives?

A: 80
B: 100
C: 120
D: 60

Right Answer: C

18. Which of the following below are environmental variables?

A: USER
B: HOME
C: both a and b
D: VARHOST

Right Answer: C

19. Applications written to provide a GUI shell for Unix and Linux are called

A: DOS
B: x windows
C: OS/2
D: Vista

Right Answer: B

20. Which of the following commands can be used to check for file corruption?

A: md5sum
B: checkfile
C: cat -vet
D: tar –checksum

Right Answer: A

21. Starting or restarting a computer is called
A.   booting the system
B.   firing the system
C.   tasking the system
D.   restoring the system
Answer: A

22. This type of boot occurs when the computer is already on, and you restart it without turning off the power.
A.   generic boot
B.   live boot
C.   warm boot
D.   cold boot
Answer: C

23. The 'logout' built in command is used to
A.   shutdown the computer
B.   logoff of the computer
C.   logout the current user
D.   to exit the current shell

Answer:D

24. The command 'umask -S'
A.   prints the current mask using symbolic notation
B.   prints the current mask using octal numbers
C.   sets the mask to 000
D.   sets the mask to 777

Answer:A

25. Which command puts a script to sleep untill a signal is recieved?
A.   sleep
B.   suspend
C.   disown
D.   break

Answer:B

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26. Which of the following below are true functionalities of shell?
A.   Authenticates user
B.   Interprets commands
C.   Allocates time and memory to programs
D.   Only a and b

Right Answer: B

27. A process can run only in the background
A.   True
B.   False

Right Answer: B

28. Which of the following below are true functionalities of Kernel?
A.   Allocates time and memory to programs
B.   Authenticates user
C.   Interprets commands
D.   All choices are correct

Right Answer: A

29. To implement new application on IBM z/10. Which of the following options need to be considered if it to be implemented in Linux?
A.   IBMz/OS outperforms Red Hat Linux in commercial workloads
B.   IBMz/OS is more expensive, Linux is shareware
C.   Red Hat Linux does not support all devices supported by IBMz/OS
D.   z/OS is supported by IBM SupportLine, whereas Red Hat Linux can only be supported by Red Hat

Right Answer: C

30. A process is identified by a unique
A.   Pid
B.   Id
C.   processed

D. proid

Right Answer: A

31. Which command reduces the size of a file?
A. pzip
B. gcat
C. pgcat
D. gzip

Right Answer: D

32. Which of the following has greater market share of Linux SW/HW
A. Linux on z10
B. Linux HP integrity server
C. Linux on AS/400 servers locate
D. Linux on DELL Xeon

Right Answer: A

33. Which of the following is the BEST way to set up SSH(Secure Shell) for communicating between System without needing passwords?
A. Use ssh-keygen for generating public-private keys.
B. Disable passwords on specific accounts that will use SSH.
C. Both A and B
D. None of the above

Right Answer: A

34. Which of the following commands can be run to remove all the rules in an iptable table?
A. iptable-L
B. iptable-A
C. iptable-F
D. iptable-delete

Right Answer: C

35. Which command is used to see the online manual?
A. Man
B. manual
C. *man
D. %man

Right Answer: A

36. The head command writes the first _____ lines of a file to screen.

A. Five
B. Twenty
C. Ten
D. Fifteen

Right Answer: C

37. Which command is used to clear the screen?
A. % clear
B. clear
C. clrscr
D. either a or c

Right Answer: B

38. Which command is used to find what is in your home directory?
A. % List
B. % Is
C. % home
D. Either a or c

Right Answer: B

39. Pipe symbol is represented by
A. ||
B. |
C. ^
D. $

Right Answer: B

Que.40. What is the shortcut to the login directory?
A. shift+cd
B. cd+enter key
C. alt+ctrl+cd
D. ctrl+cd

Right Answer: B

41. What is used to search files for specified words or patterns?
A. Less
B. Srch
C. %src
D. Grep

Right Answer: D

42. cd home to get back to your home-directory?
A. True
B. False

Right Answer: B

43. > symbol is used to redirect the output of a command
A. True
B. False

Right Answer: A

44. Which character is used to match exactly one character?
A. |
B. *
C. ^
D. ?

Right Answer: D
45. The hierarchy of a series of directories branching in a user system starts from
A. home
B. root
C. /home
D. /root

Right Answer: C
46. What PHP stands for?

A) Hypertext Preprocessor
B) Pre Hypertext Processor
C) Pre Hyper Processor
D) Pre Hypertext Process

Right Answer: D

47. Which of the following tags is not a valid way to begin and end a PHP code block?
A) <% %>
B) <? ?>
C) <?= ?>
D) <! !>
E) <?php ?>
Right Answer: B

48. How does the identity operator === compare two values?

A) It converts them to a common compatible data type and then compares the resulting values

B) It returns True only if they are both of the same type and value
C) If the two values are strings, it performs a lexical comparison
D) It bases its comparison on the C strcmp function exclusively
E) It converts both values to strings and compares them

Right Answer: A

49. Under what circumstance is it impossible to assign a default value to a parameter while declaring a function?

A) When the parameter is Boolean
B) When the function is being declared as a member of a class
C) When the parameter is being declared as passed by reference
D) When the function contains only one parameter
E) Never

Right Answer: C

50. Variables always start with a .... in PHP

A) Pond-sign
B) Yen-sign
C) Dollar-sign
E) Euro-sign

Right Answer: C

51. What is the value displayed when the following is executed? Assume that the code was executed using the following URL:

testscript.php?c=25

```php
<?php
function process($c, $d = 25)
{
global $e;
$retval = $c + $d - $_GET['c'] - $e;
return $retval;
}
$e = 10;
echo process(5);
?>
```

A) 25
B) -5
C) 10

D) 5
E) 0

Right Answer: B

52. PHP is an open source software

A) True
B) False

Right Answer: A

53. Which of the following is not valid PHP code?

A) $_10
B) ${"MyVar"}
C) &$something
D) $10_somethings
E) $aVaR

Right Answer: D

54. What is the difference between print() and echo()?

A) print() can be used as part of an expression, while echo() can't
B) echo() can be used as part of an expression, while print() can't
C) echo() can be used in the CLI version of PHP, while print() can't
D) print() can be used in the CLI version of PHP, while echo() can't
E) There's no difference: both functions print out some text!

Right Answer: A,B

55. PHP runs on different platforms (Windows, Linux, Unix, etc.)

A) True
B) False

Right Answer: A

56. Use the _____ to delete the data inside the table, and not the table itself?
   A.   DEOP TABLE
   B.   DELETE TABLE
   C.   TRUNCATE TABLE
   D.   REMOVE TABLE

Right Answer: C

57. In mail($param1, $param2, $param3, $param4), the $param2 contains:
A.   The message
B.   The recipient
C.   The header
D.   The subject

Right Answer: D

58. Which of the following delimiter is ASP style?
A.   <% %>
B.   <? ?>
C.   <script language="php"></script>
D.   All of the above

Right Answer: A

59. What is the purpose of basename() function in PHP?
A.   Returns the last accessed time of the file
B.   Returns the first accessed time of the file
C.   Strips of the path and returns the file name.
D.   Strips of the path the returns of the folder name.

Right Answer: C

60. In PHP, fgets() is used to read a file one line at a time.
A.   TRUE
B.   FALSE

Right Answer: A

61. Which of the following statement produce different output
A.   <? echo "this is php example"; ?>
B.   <P="This is php example";?>
C.   <?php echo "This is php example"; php?>
D.   <script language="php">print "This is php example";</script>

Right Answer: C

62. Which of the following data type is compound datatype supported by PHP.
A. Array
B. String
C. Float
D. Boolean

Right Answer: A

63. Which of the following functions in PHP do not return a timestamp?
A. time()
B. date()
C. strtotime()
D. localtime()
E. gmmktime()

Right Answer: BD

64. Which of the following are valid float values?
A. 4.5678
B. 4
C. 7.00E+04
D. All of the above

Right Answer: D

65. Which of the following type specifier is invalid in printf() functions.
A. % a
B. % b
C. % c
D. % d

Right Answer: A

66. Transactions are used to treat sets of SQL statements atomically.
A. TRUE
B. FALSE

Right Answer: A

67. How does the identity operator ===compare two values in PHP?
A.   It converts them to common compatible data type and then compares the resulting values.
B.   It returns True only if they are both of the same type and value
C.   If the two values are strings, it performs a lexical comparison
D.   It based its comparison on the C strcmp function exclusively
E.   It converts both values to strings and compares them

Right Answer: B

68. Which of the following is not an SQL aggregate function?
A.   AVG
B.   SUM
C.   MIN
D.   MAX
E.   CURRENT_DATE()

Right Answer: E

69. The _____ statement is used to delete a table in MySQL.
A.   DROP TABLE
B.   DELETE TABLE
C.   DEL TABLE
D.   REMOVE TABLE

Right Answer: A

70. The _____function parses an English textual date or time into Unix timestamp in PHP.
A.   strtodate()
B.   stroftime()
C.   strtotime()
D.   str_to_time()

Right Answer: C

71. Which function(s) in PHP computes the difference of arrays?
A.   array_diff
B.   diff_array
C.   arrays_diff

D. diff_arrays

Right Answer: A

72. _____ Returns the time of sunrise for a given day / location in PHP.
A. datesunrise()
B. date_sunrise()
C. date-sunrise()
D. date.sunrise()

Right Answer: B

73. What is the difference between print() and echo() in PHP?
A. echo can take multiple parameters where as print not
B. print has a return value of 1 so it can be used in expressions where as echo has a void return type
C. echo() can be used in the CLI version of PHP, while print() can't
D. print() can be used in the CLI version of PHP, while echo() can't
E. There's no difference: both functions print out some text!

Right Answer: AB

74. The _____ function is used to read a single character from a file in PHP.
A. fgetc()
B. fgets()
C. fget()
D. fgetf()

Right Answer: A

75. In PHP, which of the following(s) count elements in an array?
A. count
B. Sizeof
C. Array_Count
D. Count_array

Right Answer: AB

76. Which syntax is default syntax in PHP?

A: < ?php ?>
B: <% %>
C: < ? ?>
D: < script language="php">

Right Answer: A

77. Which of the following delimiter syntax is PHP's default delimiter syntax

A: <? php ?>
B: <% %>
C: <? ?>
D: <script language="php"> </script>

Right Answer: A

78. Which of the following delimiter is default in PHP?

A: <?php ?>
B: <% %>
C: <? ?>
D: <script language="php"> </script>

Right Answer: A

79. What is the expansion of LAMP?

A: Linux And MySQL PHP
B: Linux Apache MySQL PHP

Right Answer: B

80. Which operator is used to concatenate two strings in PHP?

A: dot operator (.)
B: plus operator (+)

Right Answer: A

81. Whether One-line comment begin with pound sing(#) in PHP?

A: True
B: False
C: None of above

Right Answer: A

82. Which of following comments is supported by PHP.

A: Single line c++ syntax - //
B: Shell syntax - #
C: Both of above
D: None of above

Right Answer: C

83. What PHP stands for?

A: Hypertext Preprocessor
B: Pre Hypertext Processor
C: Pre Hyper Processor
D: PHP: Hypertext Preprocessor

Right Answer: D

84. There are three different kind of arrays:

A: Numeric array, String array, Multidimensional array
B: Numeric array, Associative array, Dimensional array
C: Numeric array, Associative array, Multidimensional array
D: Const array, Associative array, Multidimensional array

Right Answer: C

85. PHP is _____.

A: Partially cross-platform
B: Truly cross-platform
C: None of above

Right Answer: B

86. Can we embedded directly PHP code into XHTML document?

A: FALSE
B: TRUE

Right Answer: B

87. Can we embedded directly PHP code into XHTML document?

A: FALSE
B: TRUE

Right Answer: B

88. Variables always start with a _____ in PHP.

A: Pond-sign
B: Yen-sign
C: Dollar-sign
D: Euro-sign

Right Answer: C

89. Which of the following function is used to change the root directory in PHP?

A: choot()
B: change_root()
C: cd_root()
D: cd_r()

Right Answer: A

90. Which of the following tags in PHP is not a valid way to begin and end a PHP code block?

A: <?php ?>
B: <! -->
C: <? ?>
D: <script language="php"></script>

Right Answer: B

91. What will the ?getdate() function returns in PHP?

A: An integer
B: A floating-point number
C: An array
D: A string
E: A Boolean

Right Answer: C

92. What is full form of PHP?

A: PreHypertextProcessor
B: HypertextPreprocessor
C: Hypertext Postprocessor
D: PostHypertextProcessor

Right Answer: B

93. The left association operator % is used in PHP for _____.

A: percentage
B: bitwise or
C: division
D: modulus

Right Answer: D

94. Which one is right in PHP?

A: <?php var_name = $value;?>
B: <?php $var_name = $value; ?>
C: <?php $var_name = value;?>
D: <?php var_name = value;?>

Right Answer: B

95. SQL is not case sensitive. DELETE is the same as delete.

A: TRUE
B: FALSE

Right Answer: A

96. Which of the following is not true regarding XForms?
A. PHP provides support for XForm
B. It can be used on PDF documents
C. The data is sent in XML format
D. The action and method parameters are defined in the body
Ans: D

97. You have defined three variables $to, $subject and $body to send an email. Which of the following methods would you use for sending an email?
A. mail($to,$subject,$body)
B. sendmail($to,$subject,$body)
C. mail(to,subject,body)
D. sendmail(to,subject,body)
Ans: A

98. Which of the following are useful for method overloading?
A. __call, __get, __set

B. _get,_set,_load
C. __get,__set,__load
D. __overload
Ans: A

99. Which of the following is a PHP resource?
A. Domxml document
B. Odbc link
C. File
D. All of the above
Ans: D

100. Does PHP 5 support exceptions?
A. Yes
B. No
Ans: A