1. test command can be used to check which of the following?  
a) Compare two numbers  
b) Compare two strings  
c) Check attributes of a file  
d) All of the mentioned

Answer: d  
Explanation: When we use if to evaluate expressions, we need the test statement because the true or false values returned by expressions can’t be directly handled by if. The test uses certain operators to evaluate the condition on its right and returns either true or false exit status. test works in three ways:  
• compares two numbers  
• compare two strings or a single one for a null value  
• check a file’s attributes

2. Which of the following operators is used with test for comparison of numeric values?  
a) -eq  
b) -ne  
c) -gg  
d) –eq and -ne

Answer: d  
Explanation: There are some comparison operators which are used by test. For example,

-eq - equal to

-ne - not equal to

4. \_\_\_ implies greater than and \_\_\_\_ implies less than.  
a) gt, le  
b) gt, lt  
c) ge,le  
d) ge,lt

Answer: b  
Explanation: There are some comparison operators which are used by test. For example,  
gt implies greater than, lt implies less than, le implies less than or equal to, ge implies greater than or equal to.

3. Which of the following operator is used as a shorthand for test?  
a) % %               
b) [ ]               
c) & &  
d) ( )

Answer: b  
Explanation: UNIX provides a shorthand for test i.e. [ ]. We can use this pair of rectangular brackets enclosing the expression. Thus the following two are equal,

test $x -eq $y

[ $x -eq $y ]

4. We can use a test to test various file attributes.  
a) True  
b) False

Answer: a  
Explanation: test can also be used to test the various file attributes like its type (ordinary, regular or symbolic link) or its permissions (read, write, execute, etc).

5. Which option is used for checking if the file exists or not?  
a) -e  
b) -a  
c) -n  
d) -f

Answer: a  
Explanation: test can also be used to test the various file attributes like its type (ordinary, regular or symbolic link). To check whether the file exists or not, we can use the -e option. For example,

if [ -e $1 ]; then

echo “ file exists”

6. Which of the following option is used for checking if the file is readable or not?  
a) -r  
b) -f  
c) -n  
d) -z

Answer: a  
Explanation: To check if the file exists and is readable we can use -r option. The syntax is -r filename.

7. Which of the following option is used for checking if the file is writable or not?  
a) -e  
b) -f  
c) -n  
d) -w

Answer: d  
Explanation: To check if the file exists and is writable we can use -w option. The syntax is -w filename.