Questions

1. **What is Unix?**
   a) An operating system
   b) A programming language
   c) A hardware platform
   d) A database management system

2. **Who created Unix?**
   a) Bill Gates
   b) Steve Jobs
   c) Linus Torvalds
   d) Ken Thompson and Dennis Ritchie

3. **What is the shell in Unix?**
   a) A graphical user interface
   b) A command line interpreter
   c) A file system
   d) A programming language

4. **What is a Unix file system?**
   a) A hierarchical structure for organizing files and directories
   b) A database management system
   c) A programming language
   d) A collection of utilities for managing files

5. **What is a Unix process?**
   a) A user account
   b) A running program
   c) A file system
   d) A database management system

6. **What is the role of a Unix system administrator?**
   a) Writing code for Unix applications
   b) Managing the system resources

   c) Interacting with users
   d) All of the above

7. **What is the Unix command for displaying the contents of a file?**
   a) ls
   b) cd
   c) cat
   d) rm

8. **What is the Unix command for creating a new directory?**
   a) ls
   b) cd
   c) mkdir
   d) rm

9. **What is the Unix command for copying a file?**
   a) cp
   b) mv
   c) ln
   d) rm

10. **What is the Unix command for changing the permissions of a file?**
   a) chown
   b) chmod
   c) chgrp
   d) cp

11. **Who developed the Unix operating system?**
   a) Steve Jobs
   b) Bill Gates
   c) Ken Thompson and Dennis Ritchie
   d) Linus Torvalds

12. **What is the default shell in Unix?**
   a) Bash
   b) Zsh

c) Ksh

d) Csh

13. What command is used to display the current working directory in Unix?

a) ls

b) pwd

c) cd

d) echo

14. What command is used to list the contents of a directory in Unix?

a) ls

b) cd

c) cp

d) mv

15. What command is used to create a new directory in Unix?

a) mkdir

b) rmdir

c) rm

d) touch

16. What command is used to copy files in Unix?

a) cp

b) mv

c) rm

d) touch

17. What command is used to move files in Unix?

a) cp

b) mv

c) rm

d) touch

18. What command is used to remove files in Unix?

a) cp

b) mv

c) rm

d) touch

19. What command is used to change the permissions of a file in Unix?

a) chmod

b) chown

c) chgrp

d) touch

20. What is the command to create a new directory in Unix?

a) mkdir

b) touch

c) ls

d) rm

21. What is the purpose of the "cd" command in Unix?

a) To create a new directory

b) To remove a directory and its contents

c) To change the current working directory

d) To list the contents of a directory

22. What is the command to display the contents of a file in Unix?

a) cat

b) mv

c) cp

d) rm

23. What does the command "pwd" do in Unix?

a) Displays the contents of a file

b) Changes the current working directory

c) Creates a new file

d) Displays the current working directory

24. What is the command to remove a file in Unix?

a) rm

b) cp

c) mv

d) touch

25. What does the command "grep" do in Unix?
    a) Searches for a pattern in a file
    b) Displays the contents of a file
    c) Renames a file
    d) Creates a new directory

26. What is the command to copy a file in Unix?
    a) cp
    b) mv
    c) rm
    d) mkdir

27. What is the command to move a file in Unix?
    a) mv
    b) Cp
    c) Rm
    d) Mkdir

28. What is the command to change the permissions of a file in Unix?
    a) chmod
    b) chown
    c) chgrp
    d) chdir

29. What is the purpose of the "tar" command in Unix?
    a) To compress files into a single archive file
    b) To list the contents of a directory
    c) To remove a directory and its contents
    d) To copy files from one directory to another

30. Which command is used to display the contents of a file on the terminal in Unix?
    a) ls
    b) cat
    c) cp
    d) mv

31. Which command is used to create a new directory in Unix?
    a) cd
    b) ls
    c) mkdir
    d) rm

32. Which command is used to list all the files and directories in a directory in Unix?
    a) ls
    b) cd
    c) pwd
    d) mkdir

33. Which command is used to delete a file in Unix?
    a) mv
    b) cp
    c) rm
    d) mkdir

34. Which command is used to change the current working directory in Unix?
    a) ls
    b) cd
    c) pwd
    d) mkdir

35. Which command is used to display the current working directory in Unix?
    a) ls
    b) cd
    c) pwd
    d) mkdir

36. Which command is used to copy files in Unix?
    a) cp
    b) mv
    c) rm
    d) mkdir

37. Which command is used to move files in Unix?
    a) cp

b) mv

c) rm

d) mkdir

38. Which command is used to display the last few lines of a file in Unix?

a) head

b) tail

c) more

d) less

39. Which command is used to search for a string in a file in Unix?

a) grep

b) find

c) locate

d) search

40. Which command is used to display the manual pages for a command in Unix?

a) man

b) info

c) help

d) cmd

41. Which command is used to display the current date and time in Unix?

a) time

b) date

c) datetime

d) clock

42. Which command is used to set permissions on a file or directory in Unix?

a) chown

b) chmod

c) chgrp

d) chfile

43. Which command is used to display the environment variables in Unix?

a) env

b) set

c) export

d) variables

44. Which command is used to compress a file in Unix?

a) tar

b) zip

c) gzip

d) compress

45. Which command is used to extract files from a tar archive in Unix?

a) unzip

b) tar

c) untar

d) extract

46. Which command is used to display the contents of a directory in Unix in a long format?

a) ls

b) dir

c) ll

d) list

47. Which command is used to find and replace a string in a file in Unix?

a) replace

b) sed

c) awk

d) cut

48. Which command is used to rename a file in Unix?

a) rename

b) mv

c) cp

d) ln

49. Which command is used to create a symbolic link in Unix?

a) link

b) symlink

c) ln

d) slink

50. Which command is used to list the processes running on a Unix system?
    a) ps
    b) top
    c) pr
    d) list

51. Which command is used to terminate a process in Unix?
    a) kill
    b) stop
    c) terminate
    d) exit

52. Which command is used to check the free space on a file system in Unix?
    a) df
    b) free
    c) space
    d) checkfs

53. Which command is used to display the contents of a file in reverse order inUnix?
    a) tac
    b) rev
    c) reverse
    d) back

54. Which command is used to display the process status in real-time in Unix?
    a) ps
    b) top
    c) pr
    d) watch

55. Which command is used to display the first few lines of a file in Unix?
    a) head
    b) tail
    c) more
    d) less

56. Which command is used to display the disk usage of a file or directory inUnix?
    a) du
    b) df
    c) usage
    d) space

57. Which command is used to create a new file in Unix?
    a) touch
    b) create
    c) new
    d) file

58. Which command is used to copy a directory in Unix?
    a) cpdir
    b) mvdir
    c) cpr
    d) cp -r

59. Which command is used to delete a directory in Unix?
    a) deletedir
    b) rmdir
    c) rm -r
    d) removedir

60. Which command is used to change the ownership of a file in Unix?
    a) chown
    b) chmod
    c) chgrp
    d) own

61. Which command is used to change the group ownership of a file in Unix?
    a) chown
    b) chmod
    c) chgrp
    d) group

62. Which command is used to sort the contents of a file in Unix?
    a) sort
    b) order

c) arrange
d) group

63. Which command is used to display the contents of a compressed file inUnix?
a) tar
b) gzip
c) gunzip
d) zip

64. Which command is used to display the process hierarchy in Unix?
a) pstree
b) ptree
c) prtree
d) tree

65. Which command is used to display the history of commands executed in aUnix shell?
a) history
b) log
c) commands
d) execute

66. Which command is used to suspend a process in Unix?
a) stop
b) suspend
c) kill
d) pause

67. Which command is used to resume a suspended process in Unix?
a) resume
b) continue
c) fg
d) start

68. Which command is used to display the network connections on a Unixsystem?
a) netstat
b) ifconfig
c) ping
d) traceroute

69. Which command is used to display the available network interfaces on a Unix system?
a) netstat
b) ifconfig
c) ping
d) traceroute

70. Which command is used to search for a specific string within a file in Unix?
a) grep
b) find
c) locate
d) search

71. Which command is used to display the manual page for a Unix command?
a) help
b) man
c) info
d) manual

72. Which command is used to create a symbolic link in Unix?
a) ln
b) link
c) sym
d) symbolic

73. Which command is used to set the permissions of a file or directory in Unix?
a) chmod
b) chown
c) chgrp
d) own

74. Which command is used to rename a file in Unix?
a) rename
b) move
c) mv
d) renamefile

75. Which command is used to display the environment variables in Unix?
   a) env
   b) set
   c) displayenv
   d) printenv

76. Which command is used to kill all processes owned by a specific user in Unix?
   a) killall
   b) killuser
   c) kill -u
   d) killprocesses

77. Which command is used to display the current date and time in Unix?
   a) date
   b) time
   c) datetime
   d) timestamp

78. Which command is used to send a signal to a running process in Unix?
   a) signal
   b) sigsend
   c) kill
   d) send

79. Which command is used to display the system information in Unix?
   a) uname
   b) info
   c) systeminfo
   d) sysinfo

80. Which command is used to display the size of a file in Unix?
   a) ls
   b) size
   c) stat
   d) du

81. Which command is used to display the contents of a file in Unix?
   a) cat
   b) grep
   c) head
   d) tail

82. Which command is used to delete a file in Unix?
   a) remove
   b) delete
   c) rm
   d) del

83. Which command is used to create a new directory in Unix?
   a) mkdir
   b) newdir
   c) createdir
   d) makedir

84. Which command is used to display the disk usage of files and directories inUnix?
   a) ls
   b) du
   c) df
   d) diskusage

85. Which command is used to display the list of processes running on a Unix system?
   a) ps
   b) process
   c) proclist
   d) showprocesses

86. Which command is used to set the sticky bit permission on a directory inUnix?
   a) chmod +s
   b) chmod -s
   c) chmod +t
   d) chmod -t

87. Which command is used to create an empty file in Unix?

a) touch
b) create
c) makefile
d) newfile

88. Which command is used to display the available disk space on a Unix system?
a) df
b) space
c) diskspace
d) freespace

89. Which command is used to terminate a Unix shell session?
a) exit
b) terminate
c) quit
d) stop

90. Which command is used to copy files and directories in Unix?
a) cp
b) mv
c) copy
d) duplicate

91. Which command is used to list the files and directories in a specificdirectory in Unix?
a) ls
b) dir
c) list
d) files

92. Which command is used to create a compressed archive file in Unix?
a) tar
b) zip
c) gzip
d) compress

93. Which command is used to change the owner of a file or directory in Unix?
a) chown

b) chmod
c) chgrp
d) own

94. Which command is used to change the group of a file or directory in Unix?
a) chgrp
b) chown
c) chmod
d) group

95. Which command is used to change the permissions of a file or directory insymbolic mode in Unix?
a) chmod
b) chown
c) chgrp
d) own

96. Which command is used to display the contents of a file in reverse order in Unix?
a) tac
b) cat
c) tail
d) head

97. Which command is used to display the process ID of the current shellsession in Unix?
a) pid
b) getpid
c) ppid
d) currentpid

98. Which command is used to display the last 10 lines of a file in Unix?
a) head
b) tail
c) last
d) end

99. Which command is used to display the network connection information inUnix?

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a) ifconfig
b) netstat
c) ipconfig
d) connectioninfo

100. Which command is used to display the system date and time in Unix?
a) date
b) time
c) datetime
d) sysdate

101. Which command is used to search for a specific string in a file inUnix?
a) grep
b) search
c) find
d) match

102. Which command is used to change the current working directory inUnix?
a) cd
b) chdir
c) dir
d) changedir

103. Which command is used to display the manual pages for a Unixcommand?
a) man
b) help
c) info
d) guide

104. Which command is used to display the current user's login name inUnix?
a) whoami
b) username
c) login
d) user

105. Which command is used to terminate a running process in Unix?
a) kill

b) stop
c) terminate
d) endprocess

106. Which command is used to display the total number of lines in a filein Unix?
a) wc -l
b) wc -w
c) wc -c
d) wc -L

107. Which command is used to display the system uptime in Unix?
a) uptime
b) time
c) boottime
d) sysuptime

108. Which command is used to display the size of a file in bytes in Unix?
a) ls -l
b) du -b
c) stat
d) size

109. Which command is used to display the current environment variables inUnix?
a) env
b) showenv
c) printenv
d) listen

110. Which command is used to display the contents of a file in Unix?
a) cat
b) dog
c) mouse
d) pig

111. Which command is used to remove a directory in Unix?
a) rmdir

b) rm

c) remove

d) del

112. Which command is used to create a new directory in Unix?

a) mkdir

b) newdir

c) createdir

d) makedir

113. Which command is used to display the process status in Unix?

a) ps

b) pstree

c) status

d) process

114. Which command is used to display the current user's home directory in Unix?

a) pwd

b) home

c) userdir

d) homedir

115. Which command is used to append the contents of one file to another file in Unix?

a) cat

b) cp

c) mv

d) append

116. Which command is used to display the first 10 lines of a file in Unix?

a) head

b) tail

c) first

d) top

117. Which command is used to display the size of a directory in Unix?

a) du

b) size

c) ls

d) diskusage

118. Which command is used to display the list of currently running processes in Unix?

a) ps

b) top

c) jobs

d) tasklist

119. Which command is used to change the permissions of a file or directory in numeric mode in Unix?

a) chmod

b) chown

c) chgrp

d) own

120. Which command is used to create an empty file in Unix?

a) touch

b) create

c) newfile

d) mkfile

121. Which command is used to display the contents of a compressed file in Unix?

a) gzip

b) tar

c) gunzip

d) zip

122. Which command is used to compress a file in Unix?

a) gzip

b) tar

c) gunzip

d) zip

123. Which command is used to extract the contents of a compressed file in Unix?

a) gunzip

b) tar

c) gzip

d) unzip

124. Which command is used to display the current user's group memberships in Unix?

a) groups

b) grouplist

c) memberof

d) usergroups

125. Which command is used to display the total size of a directory and its subdirectories in Unix?

a) du -sh

b) ls -l

c) pwd

d) stat

126. Which command is used to display the contents of a directory in Unix?

a) ls

b) dir

c) cd

d) pwd

127. Which command is used to display the contents of a directory in a long format in Unix?

a) ls -l

b) ls -s

c) ls -a

d) ls -t

128. Which command is used to rename a file in Unix?

a) mv

b) rename

c) cp

d) move

129. Which command is used to copy a file in Unix?

a) cp

b) copy

c) mv

d) move

130. Which command is used to search for a file or directory in Unix?

a) find

b) search

c) locate

d) scan

131. Which command is used to change the owner of a file or directory in Unix?

a) chown

b) chmod

c) chgrp

d) own

132. Which command is used to display the last 10 lines of a file in Unix?

a) tail

b) head

c) last

d) bottom

133. Which command is used to find and replace text in a file in Unix?

a) sed

b) grep

c) awk

d) replace

134. Which command is used to display the manual pages of a command in Unix?

a) man

b) help

c) manual

d) command

135. Which command is used to display the environment variables in Unix?

a) env

b) set

c) vars

d) variables

136. Which command is used to display the current date and time in Unix?
a) date
b) time
c) clock
d) datetime

137. Which command is used to terminate a running process in Unix?
a) kill
b) stop
c) exit
d) end

138. Which command is used to display the current working directory inUnix?
a) pwd
b) cd
c) dir
d) ls

139. Which command is used to create a symbolic link in Unix?
a) ln -s
b) sym
c) link
d) shortcut

140. Which command is used to display the disk usage of a file or directoryin Unix?
a) du
b) df
c) space
d) usage

141. Which command is used to create a new directory in Unix?
a) mkdir
b) mkdir
c) newdir
d) createdir

142. Which command is used to remove a file in Unix?
a) rm
b) del
c) erase
d) remove

143. Which command is used to remove a directory and its contents inUnix?
a) rm -r
b) rmdir
c) deletedir
d) removedir

144. Which command is used to display the IP address of a Unix machine?
a) ifconfig
b) ipconfig
c) config
d) network

145. Which command is used to display the number of lines, words, andcharacters in a file in Unix?
a) wc
b) count
c) lines
d) words

146. Which command is used to change the permissions of a file or directory in Unix?
a) chmod
b) chown
c) chgrp
d) permiss

147. Which command is used to compress multiple files into a single archive file in Unix?
a) tar
b) gzip
c) zip

d) compress

148. Which command is used to change the group ownership of a file ordirectory in Unix?
a) chgrp
b) chown
c) chmod
d) own

149. Which command is used to create a new user account in Unix?
a) useradd
b) adduser
c) newuser
d) createuser

150. Which command is used to display the contents of a file in Unix?
a) cat
b) dog
c) print
d) type

151. Which command is used to create a new file in Unix?
a) touch
b) create
c) newfile
d) makefile

152. Which command is used to copy files and directories in Unix?
a) cp
b) copy
c) cpy
d) duplicate

153. Which command is used to move or rename files and directories in Unix?
a) mv
b) move
c) rename
d) rn

154. Which command is used to display the contents of a directory in Unix?
a) ls
b) dir
c) list
d) display

155. Which command is used to list the running processes in Unix?
a) ps
b) process
c) running
d) listproc

156. Which command is used to create a new symbolic link in Unix?
a) ln -s
b) symlink
c) link
d) shortcut

157. Which command is used to display the contents of a compressedarchive file in Unix?
a) tar -xvf
b) gzip -d
c) unzip
d) compress -d

158. Which command is used to display the current user in Unix?
a) whoami
b) user
c) currentuser
d) me

159. Which command is used to display the free memory and swap space in Unix?
a) free
b) mem
c) swap
d) memory

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160. Which command is used to search for a pattern in a file or files in Unix?
   a) grep
   b) find
   c) search
   d) locate

161. Which command is used to display the current date and time in Unix?
   a) date
   b) time
   c) clock
   d) datetime

162. Which command is used to display the size of a file or directory in Unix?
   a) ls -l
   b) du
   c) size
   d) filesize

163. Which command is used to display the environment variables in Unix?
   a) env
   b) variables
   c) displayenv
   d) showvars

164. Which command is used to display the manual pages of a command in Unix?
   a) man
   b) help
   c) manual
   d) doc

165. Which command is used to kill a running process in Unix?
   a) kill
   b) stop
   c) end
   d) terminate

166. Which command is used to create a backup copy of a file in Unix?
   a) cp -p
   b) backup
   c) cp -b
   d) duplicate

167. Which command is used to display the permissions of a file or directory in Unix?
   a) ls -l
   b) perm
   c) permissions
   d) displayperm

168. Which command is used to set the default file permissions in Unix?
   a) umask
   b) setperm
   c) defaultperm
   d) chmod

169. Which command is used to display the number of files and directories in a directory in Unix?
   a) ls -a
   b) ls -c
   c) ls -l
   d) ls -R

170. Which command is used to change the permissions of a file or directory in Unix?
   a) chmod
   b) chperm
   c) setperm
   d) permchange

171. Which command is used to create a new directory in Unix?
   a) mkdir
   b) newdir
   c) createdir

d) makedir

172. Which command is used to delete a file in Unix?
a) rm
b) delete
c) del
d) erase

173. Which command is used to delete a directory in Unix?
a) rmdir
b) deletedir
c) rmd
d) erasedir

174. Which command is used to display the contents of a compressed file in Unix?
a) zcat
b) gunzip
c) tar -xvf
d) unzip

175. Which command is used to set the password for a user account inUnix?
a) passwd
b) setpass
c) password
d) changepass

176. Which command is used to display the list of users currently logged in to the system in Unix?
a) who
b) wholist
c) listusers
d) displayusers

177. Which command is used to copy a file from a remote system to thelocal system in Unix?
a) scp
b) ftp
c) sftp
d) rsync

178. Which command is used to list the available shells in Unix?
a) cat /etc/shells
b) listshells
c) shells
d) showshells

179. Which command is used to display the version of the Unix operatingsystem?
a) uname -a
b) version
c) showversion
d) osversion

180. Which command is used to display the last few lines of a file in Unix?
a) tail
b) head
c) last
d) bottom

181. Which command is used to display the first few lines of a file in Unix?
a) head
b) tail
c) first
d) top

182. Which command is used to display the current working directory inUnix?
a) pwd
b) currentdir
c) showdir
d) path

183. Which command is used to rename a file in Unix?
a) mv
b) rename
c) move
d) renamefile

184. Which command is used to display the list of running processes inUnix?
a) ps
b) listprocesses
c) processlist
d) showprocesses

185. Which command is used to change the owner of a file or directory inUnix?
a) chown
b) ownerchange
c) setowner
d) changeowner

186. Which command is used to change the group of a file or directory inUnix?
a) chgrp
b) groupchange
c) setgroup
d) changegroup

187. Which command is used to create a symbolic link in Unix?
a) ln -s
b) link
c) symlink
d) createlink

188. Which command is used to display the disk usage of a file ordirectory in Unix?
a) du
b) df
c) diskusage
d) displaydiskusage

189. Which command is used to compress a file or directory in Unix?
a) tar -czvf
b) gzip
c) compress
d) zip

190. Which command is used to display the manual page for a Unixcommand?
a) man
b) help
c) commandhelp
d) manual

191. Which command is used to search for a pattern in a file in Unix?
a) grep
b) search
c) find
d) locate

192. Which command is used to terminate a running process in Unix?
a) kill
b) terminate
c) stop
d) endprocess

193. Which command is used to create a new file in Unix?
a) touch
b) newfile
c) createfile
d) filecreate

194. Which command is used to display the contents of a file in Unix?
a) cat
b) display
c) show
d) contents

195. Which command is used to display the environment variables inUnix?
a) env
b) displayenv
c) showenv
d) envvariables

196. Which command is used to set an environment variable in Unix?
   a) export
   b) setenv
   c) envset
   d) variableset

197. Which command is used to display the disk space usage of a file ordirectory in Unix?
   a) du
   b) df
   c) diskspace
   d) displaydiskspace

198. Which command is used to display the current date and time in Unix?
   a) date
   b) time
   c) datetime
   d) showtime

199. Which command is used to display the list of currently runningbackground processes in Unix?
   a) jobs
   b) processjobs
   c) background
   d) backgroundjobs

200. Which command is used to copy a file in Unix?
   a) cp
   b) copy
   c) duplicate
   d) clone

201. Which command is used to remove a file in Unix?
   a) rm
   b) delete
   c) remove
   d) erase

202. Which command is used to create a directory in Unix?
   a) mkdir
   b) createdir
   c) newdir
   d) makedir

203. Which command is used to remove a directory in Unix?
   a) rmdir
   b) deletedir
   c) removedir
   d) erasedir

204. Which command is used to list the files and directories in a directoryin Unix?
   a) ls
   b) list
   c) dir
   d) show

205. Which command is used to change the permissions of a file ordirectory in Unix?
   a) chmod
   b) permissionchange
   c) setpermission
   d) changepermission

206. Which command is used to display the current user in Unix?
   a) whoami
   b) currentuser
   c) showuser
   d) username

207. Which command is used to terminate a process and all its childprocesses in Unix?
   a) killall
   b) terminateall
   c) stopall

d) endprocessall

208. Which command is used to display the current hostname in Unix?

a) hostname
b) showhostname
c) currentname
d) displayname

209. Which command is used to archive a group of files and directories inUnix?

a) tar
b) archive
c) compress
d) pack

Answer Sheet

#	Ans	#	Ans	#	Ans	#	Ans	#	Ans	#	Ans	#	Ans	#	Ans	#	Ans
1	A	2	D	3	B	4	A	5	B	6	B	7	C	8	C	9	A
10	B	11	C	12	A	13	B	14	A	15	A	16	A	17	B	18	C
19	A	20	A	21	C	22	A	23	D	24	A	25	A	26	A	27	A
28	A	29	A	30	B	31	C	32	A	33	C	34	B	35	C	36	A
37	B	38	B	39	A	40	A	41	B	42	B	43	A	44	C	45	B
46	A	47	B	48	B	49	C	50	A	51	A	52	A	53	A	54	B
55	A	56	A	57	A	58	D	59	C	60	A	61	C	62	A	63	C
64	A	65	A	66	B	67	C	68	A	69	B	70	A	71	B	72	A
73	A	74	C	75	D	76	C	77	A	78	C	79	A	80	D	81	A
82	C	83	A	84	C	85	A	86	C	87	A	88	A	89	A	90	A
91	A	92	A	93	A	94	A	95	A	96	A	97	B	98	B	99	B
100	A	101	A	102	A	103	A	104	A	105	A	106	A	107	A	108	C
109	C	110	A	111	A	112	A	113	A	114	A	115	A	116	A	117	A
118	A	119	A	120	A	121	C	122	A	123	B	124	A	125	A	126	A
127	A	128	A	129	A	130	A	131	A	132	A	133	A	134	A	135	A
136	A	137	A	138	A	139	A	140	A	141	A	142	A	145	A	144	A
145	A	146	A	147	A	148	A	149	A	150	A	151	A	152	A	153	A
154	A	155	A	156	A	157	A	158	A	159	A	160	A	161	A	162	B
163	A	164	A	165	A	166	C	167	A	168	A	169	D	170	A	171	A
172	A	173	A	174	A	175	A	176	A	177	A	178	A	179	A	180	A
181	A	182	A	183	A	184	A	185	A	186	A	187	A	188	A	189	A
190	A	191	A	192	A	193	A	194	A	195	A	196	A	197	B	198	A
199	A	200	A	201	A	202	A	203	A	204	A	205	A	206	A	207	A
208	A	209	A														