

**CUCBCSS**  
**QUESTION BANK (MULTIPLE CHOICE)**  
**BSc. DEGREE PROGRAMME**  
**MATHEMATICS (ELECTIVE COURSE)**  
**SIXTH SEMESTER**  
**MAT6B13(E04): INFORMATICS AND MATHEMATICAL SOFTWARES**  
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**Module I Introduction to Computers (12 hrs):** The questions 1 – 42 are from this module almost equally distributed from the chapters 1 to 10 of Peter Norton: Introduction to Computers, 6<sup>th</sup> ed., McGraw Hill.

**Module II Preliminaries of Python Programming (21 hrs):** The questions 43 – 110 are from this module almost equally distributed from the chapters 1 to 7 of Python Tutorial Release 2.6.1 by Guido van Rossum, Fred L. Drake, Jr., editor. Chapter 2(43-45), Chapter 3(46-72), Chapter 4(73-86), Chapter 5(87-101), Chapter 6(102-103), Chapter 7(104-110).

**Module III Advanced Python Programming (21 hrs):** The questions 111 – are from this module almost equally distributed from the chapters 8 to 11 of Python Tutorial Release 2.6.1 by Guido van Rossum, Fred L. Drake, Jr., editor. Chapter 8(111-112), Chapter 9(113-114), Chapter 10(115-125), Chapter 11(126-131).

1. A computer converts data into this
  - A. Information
  - B. Charts
  - C. Software
  - D. Input/output
2. Which of the following devices stores instructions that help the computer startup
  - A. Joystick
  - B. RAM
  - C. ROM
  - D. Monitor
3. Which of the following units represents largest amount of data
  - A. Kilobyte
  - B. Terabyte
  - C. Gigabyte
  - D. Megabyte
4. Which of the following software is used for creating slide shows
  - A. Web design software
  - B. Presentation software
  - C. Word-processing software
  - D. spread sheet software
5. The common keyboard arrangement is called the \_\_\_\_\_ layout
  - A. QWERTY
  - B. QEWTYR

- C. QYWERT
  - D. QWERYT
6. This type of mouse uses reflected light to measure its movements
- A. Optical
  - B. Laser
  - C. Mechanical
  - D. Wheel
7. Which type of software can translate scanned text into text that can edit?
- A. OCS
  - B. ORC
  - C. OCR
  - D. ORS
8. The cathode ray tube related with
- A. Mouse
  - B. Keyboard
  - C. CPU
  - D. Monitor
9. A dot matrix printer's print head contains a cluster of \_\_\_\_\_.
- A. Pins
  - B. Dots
  - C. Hammers
  - D. Characters
10. The term dots per inch (dpi) refers to printers \_\_\_\_\_.
- A. Resolution
  - B. Speed
  - C. Output
  - D. Colours
11. The \_\_\_\_\_ standard promises to provide enough characters to cover all the world's language.
- A. ASCII
  - B. Unicode
  - C. RAM
  - D. EBCDIC
12. The phone line is connected to the \_\_\_\_\_ on your computer.
- A. PS2
  - B. USB
  - C. Modem
  - D. Network
13. The green audio port is used to connect your \_\_\_\_\_.

- A. Microphone
  - B. Speaker
  - C. Stereo
  - D. Guitar
14. The \_\_\_\_\_ of a hard disk contains a small program that runs when you start the computer.
- A. Boot sector
  - B. File allocation table
  - C. File system
  - D. File cluster
15. A magnetic disk's tracks are divided into smaller parts, called \_\_\_\_\_.
- A. Clusters
  - B. Sectors
  - C. Bytes
  - D. Slices
16. To read CDROM we uses \_\_\_\_\_.
- A. Laser beam
  - B. Pointer
  - C. Magnetic field
  - D. Track
17. Standard DVD-ROM disc can hold up to \_\_\_\_\_ of data.
- A. 700 MB
  - B. 140 GB
  - C. 17 GB
  - D. 4.7 GB
18. To remove a program from your computer, you can \_\_\_\_\_ it.
- A. Erase
  - B. Delete
  - C. Uninstall
  - D. Transfer
19. Which must you do to return compressed files to their uncompressed state?
- A. Delete them
  - B. Extract them
  - C. Archive them
  - D. Zip them
20. DOS and some versions of UNIX are examples of \_\_\_\_\_ interfaces.
- A. Command-line
  - B. GUI
  - C. Old-type
  - D. Parallel

21. To remove data from one document and place it in another, you can use the \_\_\_\_\_ and \_\_\_\_\_ commands.
- Remove, place
  - Delete, paste
  - Copy paste
  - Cut, paste
22. The acronym DOS stands for \_\_\_\_\_.
- Distributed operating system
  - Driver operating system
  - Diskless operating system
  - Disk operating system
23. \_\_\_\_\_ is a free operating system.
- Windows
  - GNU/Linux
  - Mac OS
  - Apple OS
24. The word “Free” in the “Free software” means \_\_\_\_\_.
- Freedom to use, modify and distribute
  - Only Freedom to use
  - Only Freedom to use and distribute
  - only Free of cost
25. The term modem is short for \_\_\_\_\_.
- Modulate data
  - Network interface card
  - Modulate/Demodulate data
  - Internet connectivity
26. The abbreviation of *bps* stands for \_\_\_\_\_.
- Bytes per second
  - Bits per second
  - Bandwidth per second
  - Baudrate per second
27. To share the documents we use \_\_\_\_\_.
- IP/TCP
  - Web server
  - Share data
  - FTP
28. \_\_\_\_\_ pin used to connect data cable to computer.
- RJ15 jack
  - RJ5 jack

- C. RJ45 jack
  - D. RJ10 jack
29. The expression *Mbps* stands for \_\_\_\_\_.
- A. Megabits per second
  - B. Microbytes per second
  - C. Microbits per second
  - D. Megabytes per second
30. The internet is open to \_\_\_\_\_.
- A. Members
  - B. Government agencies
  - C. University researchers
  - D. Anybody
31. A collection of related Web pages is called a \_\_\_\_\_.
- A. Web book
  - B. Web site
  - C. Web directory
  - D. Web engine
32. Every Web page has a unique address, called a \_\_\_\_\_.
- A. Hyperlink
  - B. Uniform resources locator
  - C. HTTP
  - D. Map
33. Before you launch your browser and view a web page, you may need to \_\_\_\_\_.
- A. Get permission
  - B. Connect to internet
  - C. Call your ISP
  - D. Launch a helper application
34. E-mail is a system for exchanging messages through a \_\_\_\_\_.
- A. Program
  - B. Backbone
  - C. Client
  - D. Network
35. The character @ is typically called the \_\_\_\_\_ symbol.
- A. at
  - B. approximate
  - C. address
  - D. about
36. When you receive a e-mail message, you can \_\_\_\_\_ it to someone else.

- A. serve
  - B. forward
  - C. store
  - D. copy
37. High-speed internet connections are sometimes called \_\_\_\_\_ connections.
- A. Broadband
  - B. Highband
  - C. Bigband
  - D. Wideband
38. In a spreadsheet program, a \_\_\_\_\_ is a set of worksheets in the same file.
- A. Formula
  - B. Label
  - C. Workbook
  - D. Value
39. In a worksheet, a \_\_\_\_\_ is the intersection of a row and a column.
- A. Cell
  - B. Formula bar
  - C. Ruler
  - D. Frame
40. A \_\_\_\_\_ image is defined as a grid whose cells are filled with colour.
- A. Raster
  - B. Vector
  - C. Bitmap
  - D. Complex
41. A \_\_\_\_\_ image consists of mathematical equations describing the size, shape, thickness, position, colour, and fill of lines or closed graphical shapes.
- A. Raster
  - B. Vector
  - C. Bitmap
  - D. Complex
42. A \_\_\_\_\_ can convert a printed image to digital format.
- A. Photocopier
  - B. Digital camera
  - C. Computer
  - D. Scanner
43. In Unix shell python can be started using the command \_\_\_\_\_.
- A. python
  - B. start python
  - C. python shell

- D. python start
44. In UNIX \_\_\_\_\_ key-combination is used to quit the python shell.
- A. Control-z
  - B. Control-v
  - C. Control-d
  - D. Control-c
45. Python shell prompt is \_\_\_\_\_.
- A. <<<
  - B. >>
  - C. >
  - D. >>>
46. Output of  $3 - 1 - 1 * 2$  is \_\_\_\_\_.
- A. 4
  - B. 2
  - C. 0
  - D. -1
47. Output of  $50 - 2 * 4/2$  is \_\_\_\_\_.
- A. 96
  - B. 45
  - C. 46
  - D. 94
48. Output of  $2 * * 5$  is \_\_\_\_\_.
- A. 10
  - B. 0
  - C. 3
  - D. 32
49. Output of  $27 \% 6 + 5$  is \_\_\_\_\_.
- A. 8
  - B. 5
  - C. 38
  - D. 6
50. Output of  $77/6 + 9$  is \_\_\_\_\_.
- A. 5.13
  - B. 21
  - C. 21.83
  - D. 5
51. What is the output of the python program

```
z=2-7j  
print z.real,z.imag
```

- A. 2.0 -7.0
- B. 2 7
- C. 2 -7
- D. 2.0 7.0

52. Output of  $(1 + 2j)/(1 + 1j)$  is \_\_\_\_\_.

- A.  $(1.5+2.5j)$
- B.  $(1+2j)$
- C.  $(1.5+0.5j)$
- D.  $(1+1j)$

53. Output of  $abs(2 - 3j)$  is \_\_\_\_\_.

- A. -1
- B. 3.61
- C. 5
- D. 13

54. Output of  $4 **(1/2) - 4 **(0.5)$  is \_\_\_\_\_.

- A. 0
- B. -3.0
- C. -2
- D. -1.0

55. What is the output of the last line of the python program (Interactive mode)

```
>>>r=2.3  
>>>r  
2.3  
>>> 5+_
```

- A. 5
- B. 2.3
- C. 3.3
- D. 7.3

56. Output of  $round(2/3.0, 2)$  is \_\_\_\_\_.

- A. 0.667
- B. 0.6
- C. 0
- D. 0.666

57. What is the output of the python code '**maths**'\*3

- A. t
- B. maths3
- C. 'mathsmathsmaths'

- D. h
58. What is the output of the python code 'ma' 'ths'  
A. ma ths  
B. 'maths'  
C. 'ma"ths'  
D. 'ma' 'ths'
59. What is the output of the last line of the python program (Interactive mode)
- ```
>>>word='maths'  
>>>word[2:4]
```
- A. 'at'  
B. 'aths'  
C. 'ths'  
D. 'th'
60. What is the output of the last line of the python program (Interactive mode)
- ```
>>>word='maths'  
>>>word[2:]
```
- A. 'ths'  
B. 'ma'  
C. 'mat'  
D. 'aths'
61. What is the output of the last line of the python program (Interactive mode)
- ```
>>>word='maths'  
>>>word[:3]+word[3:]
```
- A. 'th'  
B. 'maths'  
C. 'mahs'  
D. 'matths'
62. What is the output of the last line of the python program (Interactive mode)
- ```
>>>word='maths'  
>>>word[:-2]
```
- A. 'hs'  
B. 'ma'  
C. 'mat'  
D. 'math'
63. What is the string command used to get number of characters of a string.  
A. length  
B. size

- C. len  
D. dim
64. In a *list* its elemets are enclosed in \_\_\_\_\_.  
A. curved brackets  
B. curl brackets  
C. double quotes  
D. square brackets
65. \_\_\_\_\_ can't be a member of a list.  
A. A picture  
B. A number  
C. A list  
D. A string
66. If **x** is a list, then its 5<sup>th</sup> element can be accessed using the python command \_\_\_\_\_.  
A. x(5)  
B. x[4]  
C. x(4)  
D. x[5]
67. If **x=[1,2,3,'maths',5.2]** is a list, then **x[3][1]** is \_\_\_\_\_.  
A. 'a'  
B. 5  
C. 3  
D. 'maths'
68. What is the output of the last line of the python program (Interactive mode)
- ```
>>>x=['calculus',10,'algebra']
>>>x[1]=x[1]+5
>>>x
```
- A. '105'  
B. 15  
C. ['calculus',5,10,'algebra']  
D. ['calculus',15,'algebra']
69. What is the output of the last line of the python program (Interactive mode)
- ```
>>>x=[1,2,'cat','dog']
>>>x[0:2]=[]
>>>x
```
- A. [1,2,'cat','dog']  
B. [1,2]  
C. ['cat','dog']  
D. []

70. What is the output of the last line of the python program (Interactive mode)

```
>>>x=[1,2,'cat','dog']
>>>x[2:2]=[3,4,5]
>>>x
```

- A. [3, 4, 5]
- B. [1, 2, 3, 4, 5, 'cat', 'dog']
- C. [1, 3, 4, 5, 'dog']
- D. [1, 2, 'cat', 'dog']

71. What is the output of the last line of the python program (Interactive mode)

```
>>>x=[1,2,3,4]
>>>x.append(5)
>>>x
```

- A. [1 ,2 ,3 ,4 ,5]
- B. []
- C. [5 ,1, 2, 3, 4]
- D. [6, 7, 8, 9]

72. The while loop statement loop start with the symbol \_\_\_\_\_.

- A. {
- B. ”
- C. ;
- D. :

73. The statement used to read a string quantity as an input from keyboard is \_\_\_\_\_.

- A. input
- B. read
- C. raw\_input
- D. scanf

74. The **else if** option in the **if** loop is possible by using the python statement \_\_\_\_\_.

- A. elseif
- B. elif
- C. elseif{
- D. else

75. The **for** loop does not runs through a \_\_\_\_\_.

- A. string
- B. array
- C. list
- D. integer

76. The output of the following program will display \_\_\_\_\_.

```
>>>a=[1,2,3,4,5]
>>>for x in a:
... print x,
...

```

- A. numbers from 1 to 5 line by line
- B. numbers from 1 to 5 in a line separated by a space
- C. the list a
- D. numbers from 1 to 5 in a line separated by a comma

77. The **range(5)** will give \_\_\_\_\_.

- A. [0, 1, 2, 3, 4]
- B. [1, 2, 3, 4, 5]
- C. 1, 2, 3, 4, 5
- D. 0, 1, 2, 3, 4

78. The **range(3,7)** will give \_\_\_\_\_.

- A. [4, 5, 6, 7]
- B. [3, 4, 5, 6, 7]
- C. [3, 4, 5, 6]
- D. 3, 4, 5, 6

79. The **range(-10, -100, -30)** will give \_\_\_\_\_.

- A. [-10, -40, -70, -100]
- B. [-40, -70]
- C. [-10, -40, -70]
- D. [-40, -70, -100]

80. The python \_\_\_\_\_ statement, like in C, breaks out of the smallest enclosing for or while loop.

- A. break
- B. halt
- C. stop
- D. close

81. The python \_\_\_\_\_ statement, like in C, continues with the next iteration of the loop.

- A. next
- B. proceed
- C. do
- D. continue

82. The python statement \_\_\_\_\_ can be used when a statement is required syntactically but the program requires no action.

- A. go
- B. pass
- C. skip
- D. next

83. Defining a function in python, the statement starts with \_\_\_\_\_.

- A. def
- B. define
- C. function
- D. function{

84. What is the output of the last line of the python statement (interactive mode).

```
>>>args = [1,4,2]
>>>range(*args)
```

- A. [1, 4]
- B. [1, 4, 2]
- C. [1, 3]
- D. [1, 2]

85. `x = {"a": "1", "b": "2", "c": "3"}`, then `x` is a \_\_\_\_\_.

- A. dictionary
- B. list
- C. set
- D. array

86. What is the output of the last line of the python statement (interactive mode).

```
>>>x=5
>>>x*=2
>>>x
```

- A. 12
- B. 2\*
- C. 25
- D. 10

87. If `a` is a list, `append(3)` is equivalent to \_\_\_\_\_.

- A. a.3
- B. a+3
- C. a[len(a):] = [3]
- D. [a,3]

88. If `a` is a list, extend this list by appending all the items in the list `L` is done by using \_\_\_\_\_.

- A. a.L
- B. a.extend(L)
- C. a\*L
- D. a.append(L)

89. If `a` is a list, inserting the element `x` at position `i` is done by using \_\_\_\_\_.

- A. a[i].insert(x)
- B. put(a, i, x)

- C. `insert(a, i, x)`
  - D. `a.insert(i, x)`
90. what is the output of `a.remove(x)`, where **a** is a list and **x** is an element.
- A. Remove all the items from the list whose value is **x**.
  - B. Remove the item whose value is **x** and among its first appearance in the list.
  - C. Remove the last item from the list whose value is **x**.
  - D. Remove all the items from the list.
91. What is the python expression used to remove the item from a list at the given position in the list, and return it.
- A. `remove`
  - B. `removeitem`
  - C. `pop`
  - D. `delete`
92. What is the python expression used to return the index in the list **L** of the first item whose value is **x**.
- A. `L.position(x)`
  - B. `index(L,x)`
  - C. `position(L,x)`
  - D. `L.index(x)`
93. What is the python expression used to return the number of times **x** appears in the list **L**.
- A. `L.count(x)`
  - B. `L.times(x)`
  - C. `L.len(x)`
  - D. `count(L,x)`
94. What is the python expression used to sort the items of the list **L**, in place.
- A. `L.arrange(x)`
  - B. `L.sort()`
  - C. `sort(L)`
  - D. `arrange(L,x)`
95. What is the python expression used to reverse the elements of the list **L**, in place.
- A. `reverse(L)`
  - B. `L.back()`
  - C. `back(L)`
  - D. `L.reverse()`
96. Using the symbol \_\_\_\_\_ we command the line in python coding.
- A. `#`
  - B. `%`
  - C. `!`
  - D. `?`
97. If **L** is a list, what the output of `del L[2:5]`.

- A. It gives an error
  - B. It returns list which splits at position 2 and 5.
  - C. It returns the list in which the elements from position 2 to position 4 are removed.
  - D. It returns the list with position 2 to 5 are empty.
98. Tuples consists of a number of values separated by \_\_\_\_\_.
- A. semicolon
  - B. space
  - C. comma.
  - D. colon
99. If **a = set('mathematics')**, then **a** is \_\_\_\_\_.
- A. set('mathematics')
  - B. set(['a', 'c', 'e', 'i', 'h', 'm', 's', 't'])
  - C. set(['m', 'a', 't', 'h', 'e', 'm', 'a', 't', 'i', 'c', 's'])
  - D. set('matheics')
100. If **a = set('1', '2', '3')** and **b = set('1', '3')**, then **a-b** is \_\_\_\_\_.
- A. empty set
  - B. set(['1', '3'])
  - C. set(['1', '2', '3'])
  - D. set(['2'])
101. What is the output of the this python statement (interactive mode).
- ```
>>> for i in reversed(xrange(1,10,2)):  
... print i+1,  
...  
A. 10 8 6 4 2  
B. 1 3 5 7 9  
C. 1, 10, 2  
D. 9 7 5 3 1
```
102. **sys** is a \_\_\_\_\_.
- A. python variable
  - B. python system
  - C. python module
  - D. system
103. **numpy** is a python module. What is the command to use all the functions available in this module.
- A. numpy import
  - B. from numpy import \*
  - C. use numpy
  - D. call numpy
104. **rjust** is used for \_\_\_\_\_.

- A. reading
- B. calculation
- C. a format for print output
- D. arithmetic

There is another method, , which

105. \_\_\_\_\_ pads a numeric string on the left with zeros.

- A. padleft()
- B. zfill()
- C. left()
- D. zeroleft()

106. If **x=1/6.**, then output of **print '{0:.3f}'.format(x)** is \_\_\_\_\_.

- A. 0
- B. 1/6.
- C. 0:.3f1/6
- D. 0.167

107. What is the purpose of the expression **f = open('eg.data', 'w')**.

- A. opening the file 'eg.data' for writing purpose.
- B. open the data 'eg.data'
- C. open the variables 'eg.data' and 'w'
- D. open the strings 'eg.data' and 'w'

108. If **f** is a file, then **y=f.read(10)** will \_\_\_\_\_.

- A. read the number 10 in the file and store in y
- B. search for 10 in the file and store in y
- C. read first 10 characters of the file and store in y
- D. read the variable and store in y

109. If **f** is a file to read the first line in the file we use \_\_\_\_\_.

- A. f.read(1L)
- B. f.lineread
- C. f.readline()
- D. f.read()

110. If **f** is a file, to quit this file we use the command \_\_\_\_\_.

- A. f.remove()
- B. f.exit()
- C. f.quit()
- D. f.close()

111. Even if a statement or expression is syntactically correct, it may cause an error when an attempt is made to execute it. Errors detected during execution are called \_\_\_\_\_.

- A. syntax error
- B. simple error

- C. error
- D. exceptions

112. A **try** statement connected with \_\_\_\_\_.

- A. error and exceptions
- B. loop
- C. special function
- D. modules

113. A **class** definition statement starts with \_\_\_\_\_.

- A. def class
- B. define
- C. class
- D. def

114. \_\_\_\_\_ are a simple and powerful tool for creating iterators.

- A. Iterator
- B. Generators
- C. Iter
- D. Counter

The os

115. The \_\_\_\_\_ module provides dozens of functions for interacting with the operating system.

- A. os
- B. sys
- C. system
- D. interact

116. The \_\_\_\_\_ module provides a higher level interface for daily file and directory management tasks.

- A. file
- B. tasks
- C. interact
- D. shutil

117. The \_\_\_\_\_ module provides a function for making file lists from directory wildcard searches.

- A. search
- B. manage
- C. glob
- D. wildcard

The re module :

118. The \_\_\_\_\_ module provides regular expression tools for advanced string processing.

- A. re
- B. se

- C. string  
D. stringexpress
119. The \_\_\_\_\_ module gives access to the underlying C library functions for floating point mathematics.
- A. maths  
B. math  
C. calc  
D. none of the above
120. The \_\_\_\_\_ module provides tools for making random selections.
- A. randomnumber  
B. rand  
C. random  
D. none of the above
121. The number  $\pi$  from math module used as \_\_\_\_\_
- A. pie(n)  
B. pi  
C. pie  
D. none of the above
122. The \_\_\_\_\_ module used for retrieving data from urls.
- A. urllib2  
B. url  
C. internet  
D. httplib
123. The \_\_\_\_\_ module used for sending mail.
- A. mail  
B. send  
C. sendmail  
D. smtplib
124. The \_\_\_\_\_ module supplies classes for manipulating dates and times in both simple and complex ways.
- A. date  
B. time  
C. datetime  
D. now
125. The \_\_\_\_\_ is not a module handling data archiving and compression formats
- A. bz2  
B. zip  
C. tarfile  
D. zlib

126. The \_\_\_\_\_ module provides a customized for abbreviated displays of large or deeply nested containers.
- A. display
  - B. repr
  - C. nested
  - D. non of the above
127. The \_\_\_\_\_ module offers more sophisticated control over printing both built-in and user defined objects in a way that is readable by the interpreter.
- A. print
  - B. ppr
  - C. printf
  - D. pprint
128. The \_\_\_\_\_ module formats paragraphs of text to fit a given screen width.
- A. paragraph
  - B. width
  - C. textwrap
  - D. non of the above
129. The \_\_\_\_\_ module provides an array of object that is like a list that stores only homogeneous data and stores it more compactly.
- A. array
  - B. arraylist
  - C. homogeneous
  - D. sequence
130. The \_\_\_\_\_ module with functions for manipulating sorted lists.
- A. sort
  - B. largelist
  - C. array
  - D. bisect
131. The \_\_\_\_\_ module offers a Decimal datatype for decimal floating point arithmetic.
- A. decimalpoint
  - B. decimal
  - C. float
  - D. deci

## **Answer key**

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 1A   | 2C   | 3B   | 4B   | 5A   | 6A   | 7C   | 8D   | 9A   | 10A  |
| 11B  | 12C  | 13B  | 14A  | 15B  | 16A  | 17D  | 18C  | 19B  | 20A  |
| 21D  | 22D  | 23B  | 24A  | 25C  | 26B  | 27D  | 28C  | 29A  | 30D  |
| 31B  | 32C  | 33B  | 34D  | 35A  | 36B  | 37A  | 38C  | 39A  | 40C  |
| 41B  | 42D  | 43A  | 44C  | 45D  | 46C  | 47C  | 48D  | 49A  | 50B  |
| 51A  | 52C  | 53B  | 54D  | 55D  | 56A  | 57C  | 58B  | 59D  | 60A  |
| 61B  | 62C  | 63C  | 64D  | 65A  | 66B  | 67A  | 68D  | 69C  | 70B  |
| 71A  | 72D  | 73C  | 74B  | 75D  | 76B  | 77A  | 78C  | 79C  | 80A  |
| 81D  | 82B  | 83A  | 84C  | 85A  | 86D  | 87C  | 88B  | 89D  | 90B  |
| 91C  | 92D  | 93A  | 94B  | 95D  | 96A  | 97C  | 98C  | 99B  | 100D |
| 101A | 102D | 103B | 104C | 105B | 106D | 107A | 108C | 109C | 110D |
| 111D | 112A | 113C | 114B | 115A | 116D | 117C | 118A | 119B | 120C |
| 121B | 122A | 123D | 124C | 125B | 126B | 127D | 128C | 129A | 130D |
| 131B |      |      |      |      |      |      |      |      |      |