

Class: XI Session: 2021-22
Computer Science (Code 083)
(Theory: Term-1)
Set 1 with Marking

Maximum Marks: 35

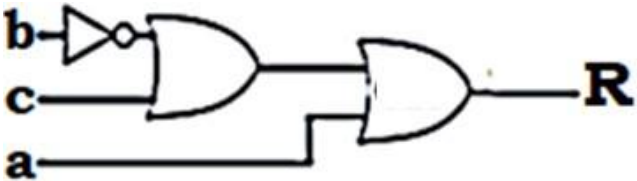
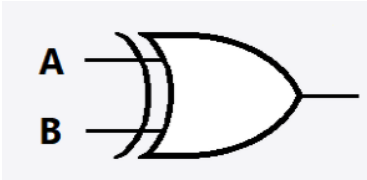
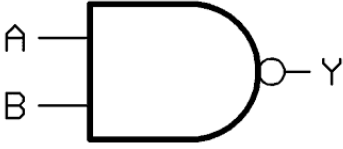
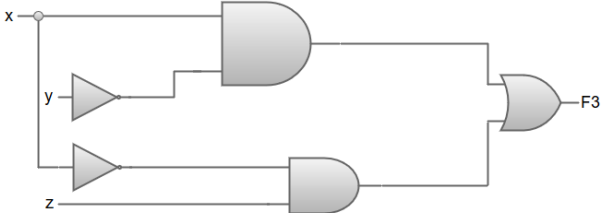
Time Allowed: 90 Minutes

General Instructions:

- The question paper is divided into 3 Sections - A, B and C.
- Section A, consist of 25 Questions (1-25). Attempt any 20 questions.
- Section B, consist of 24 Questions (26-49). Attempt any 20 questions.
- Section C, consist of 6 case study based Questions (50-55). Attempt any 5 questions.
- All questions carry equal marks.

Q.N.	Section-A
	This section consists of 25 Questions (1 to 25). Attempt any 20 questions from this section. Choose the best possible option.
1	Find the incorrect identifiers out of the following, which can be used for naming variable or functions is: a. down b. up c. out d.in Ans: d
2	Consider a declaration A=int("123") type of A is: a. int b. float c. bool d. string Ans . a. int
3	Which of the following is not a keyword? a eval b INT c float d pass Answer: b. INT
4	Which of the following can be a variable? a. and b. in c. it d. or Answer: c it
5	All keywords in Python are in a) lower case b) UPPER CASE c) Capitalized d) None of the mentioned Answer: a lower case
6	Which of the following is an invalid statement? a) abc = 1000000 b) a b c = 1000 2000 3000 c) a,b,c = 1000, 2000, 3000 d) a_b_c = 1000000 Answer: b) a b c = 1000 2000 300
7	What is the answer to this expression, print (22%3, 22//3, int (22/3)) is? a) (1, 7, 7) b) 1, 7, 7 c) (1, 7, 7.3) d) error Answer: b) 1, 7, 7
8	What is the output of this expression, 3**2*3? a) 27 b) 24 c) error d) 18 Answer: a) 27
9	The result of the code: print("%.3f"%34.5618) a. 34.563 b. 34.561 c. 34.57 d. 34.562 Answer: d. 34.562
10	Which one of the following has the highest precedence in the expression? a) Exponential b) Addition c) Multiplication d) Parentheses Answer: a) Exponential
11	Operators with the same precedence are evaluated in which manner? a) Left to Right b) Right to Left c) Can't say d) None of the mentioned Answer: a) Left to Right

12	What is the return type of function id? a) int b) float c) bool d) dict Answer: a) int
13	What is the average value of the code that is executed below ? grade1 = 80; grade2 = 90 average = (grade1 + grade2) / 2 a) 85.0 b) 85.1 c) 95.0 d) 95.1 Answer: a) 85.0
14	Select all options that print : hello-how-are-you a) print('hello', 'how', 'are', 'you') b) print('hello', 'how', 'are', 'you' + '-' * 4) c) print('hello-' + 'how-are-you') d) print('hello' + '-' + 'how' + '-' + 'are' + 'you') Answer: c) print('hello-' + 'how-are-you')
15	Select all options that print : AAAAA a) print("A"+5) b) print("A"*5) c) print("A"***5) d) print(pow("A",5)) Answer: b) print("A"*5)
16	What is the output of the functions : min(max(True,-3,-4), 2,7) a. 2 b. True c. -3 d. -4 Answer: b) True
17	What is the output of the functions : round(63.8769,3) a. 63.87 b. 63.876 c. 63.877 d. 63.88 Answer: c. 63.877
18	The output of the snippet of code shown below? bool('False'), bool() a) True True b) False True c) False False d) True False Answer: d) True False
19	Which of the following is not a complex number? a) $k = 2 + 3j$ b) $k = \text{complex}(2, 3)$ c) $k = 2 + 3l$ d) $k = 2 + 3J$ Answer: c) $k = 2 + 3l$
20	What does 3^4 evaluate to? a) 81 b) 12 c) 0.75 d) 7 Answer: a) 81
21	What is the result of max(-3,-1,-7,-9)? a) -1 b) -3 c) -9 d) errr Answer: a) -1
22	Which of the following is incorrect? a) float('inf') b) float('nan') c) float('56'+ '78') d) float('12+34') Answer: d) float('12+34')
23	Which of the following symbol is used in Python for Single-line comment? a. // b. /* c. """ d. # Answer: d. #
24	What is the value of x if: $x = \text{int}(43.550+4/2)$ a) 45 b) 44 c) 45.55 d) error Answer: a) 45
25	What is the value of the following expression: $8/4//2, 8/(4//2)$ a) (1.0, 4.0) b) (1.0, 1.0) c) (1, 4) d) (1.0, 4) Answer: c) (1, 4)
Section B	
This section consists of 24 Questions (26 to 49). Attempt any 20 questions.	

35	 <p>a. $b'c+a'$ b. $b'+c+a'$ c. $bc'+a$ d. $b'+c+a$</p> <p>Answer: d.</p>
36	<p>Which of the following can be used as valid variable identifiers in Python?</p> <p>a. 4th Sum b. Total c. Number# d. 5Data</p> <p>Answer: b.</p>
37	<p>A _____ is a computer program that can replicate itself and spread from one computer to another.</p> <p>a. Antivirus b. Pen drive c. Mouse d. Computer Virus</p> <p>Answer: d. Computer Virus</p>
38	<p>The lines beginning with a certain character, and which are ignored by a compiler and not executed, are called</p> <p>a) operators b) operands c) functions d) comments</p> <p>Answer (d) comments</p>
39	<p>The Hex number equivalent of 59 is _____</p> <p>a. 3b b. 3B c. 3C d. 3A</p> <p>Answer: 3B</p>
40	<p>Identify the gate:</p>  <p>a. AND b. NAND c. XNOR d. XOR</p> <p>Answer: d. XOR</p>
41	<p>identify:</p>  <p>a. AND b. NAND c. OR d. NOR</p> <p>Answer: b. NAND</p>
42	 <p>a. $x'y + y'z$ b. $xy' + x'z'$ c. $x'y' + x'z'$ d. $xy' + x'z$</p> <p>Answer: d. $xy' + x'z$</p>

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Which two numbers form the binary number system?

a. 0 and 2

b. 1 and 2

c. 0 and 1

d. 1 and 3

Answer: c. 0 and 1

44	Which of the following is not an example of Hexadecimal number? a. 1C2 b. 2A1 c. 1ABCD d. 67GA Answer: d. 67GA
45	bit binary code for binary number 15 is _____ a. 1110 b. 1111 c. 1100 d. 1101 Answer: b. 1111
46	Octal 4146 equivalent to decimal number is _____ a. 1250 b. 2150 c. 2110 d. 2510 Answer: b. 2150
47	Equivalent binary number of decimal number 0.25 is _____ a. 0.11 b. 0.00 c. 0.01 d. 1.00 Answer: c. 0.01
48	Give output: x=15 while(x==15): print("Hello") x=x-3 a. Hello - 15 times b. Hello - 1 time c. Hello - 3 times d. Error Answer: b. Hello - 1 time
49	Give output: i=0 while i<3: print(i, end=" ") i=i+1 print(7) a. 1 2 7 10 b. 1 2 7 c. 0 1 2 7 d. 1 3 5 7 Answer: c. 0 1 2 7
Section C	
Section C, consist of 6 case study based Questions (50-55). Attempt any 5 questions	
50	Give output: i=2 for x in range(i): i+=1 print(i, end=" ") print(i, end=" ") a. 1 2 3 4 b. 3 3 3 3 c. 3 4 5 d. 3 4 4 Answer: d. 3 4 4
51	Give number of times loop will run: i=100 while i<57: print(i) i+=5 a. 9 b. 10 c. 0 d. Infinite Answer: c. 0
52	Give output: for x in "cs": print(x, '#', end="") a. Error in the code b. c #s c. c #s # d. cs## Answer: c #s #

53	<p>Input is : s= "Welcome to python world" Output is : Welcome To Python World By which statement we can get this output: a) print (s.isalpha()) b) print(s.upper()) c) print(s.capitalize()) d) print(s.title()) Answer: d) print(s.title())</p>
54	<p>Find output: a, b = 5 , 3 for i in range(1,11,3): a+=1 if a>5: b+=3 print(a , " : " , b) a. 9 : 15 b. 15 : 9 c. error d. Infinite Answer: a. 9 : 15</p>
55	<p>a,b,c,d,e=6,5,4,2,3 R=e%c-b+a//d**d print(R) a. -2 b. 3 c. -4 d. -1 Answer: d. -1</p>