

KENDRIYA VIDYALAYA JOSHIMATH

Term -I

Class: XI Session: 2021-22 Computer Science (Code 083)

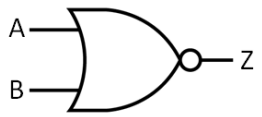
Maximum Marks: 35

Time Allowed: 90 Minutes

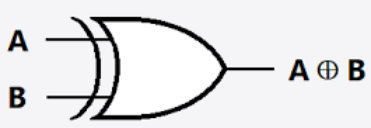
General Instructions:

1. The question paper is divided into 3 Sections - A, B and C.
2. Section A, consist of 25 Questions. Attempt any 20 questions.
3. Section B, consist of 24 Questions. Attempt any 20 questions.
4. Section C, consist of 6 case study-based Questions. Attempt any 5 questions.

SECTION-A

Q1	Which of the following is not a Python IDE? a) NetBeans b) Sublime Text c) Spyder d) PyCharm	1/2
Q2	What is the size of following string, "Cool Star"? a) 10 b) 11 c) 12 d) None of these	1/2
Q3	Which of the following is not a valid identifier? a) _myname b) My_name c) My-name d) Myname007	1/2
Q4	Full form of ASCII Code is: a. American Standard Code for Information Interchange b. American Standard Code for Information Interface. c. American Set Code for Information Inter-charge d None of the above.	1/2
Q5	Special reserved words of Python, fixed for specific functionality are called a) Keywords b) Identifiers c) Punctuators d) Literals	1/2
Q6	The only language which the computer understands is a) Assembly Language b) Binary Language c) BASIC d) C Language	1/2
Q7	Which gate symbol is shown below: 	1/2

	<ul style="list-style-type: none"> a. AND b. OR c. NOT d. NOR 	
Q8	<p>Radix of Hexadecimal number is :</p> <ul style="list-style-type: none"> a)2 b)8 c)10 d)16 	1/2
Q9	<p>Python code can run on different operating systems, it means Python is alanguage.</p> <ul style="list-style-type: none"> a) Graphical b) Cross platform c) Dependent d) All of these 	1/2
Q10	<p>Which of the following might be used to convert high-level language instructions into machine language?</p> <ul style="list-style-type: none"> a. System software b. Applications software c. An operating environment d. An interpreter 	1/2
Q11	<p>What does the symbol D represent in a hexadecimal number system?</p> <ul style="list-style-type: none"> a) 8 b) 16 c) 13 d) 14 	1/2
Q12	<p>Convert: $(110)_2 = (_)_{10}$.</p> <ul style="list-style-type: none"> a) 4 b) 5 c) 6 d) 9 	1/2
Q13	<p>1 TB is equivalent to:</p> <ul style="list-style-type: none"> a) 2^{10} bytes b) 2^{10} MB c) 2^{10} KB d) 2^{10} GB 	1/2
Q14	<p>The gate which is called an inverter is called _____</p> <ul style="list-style-type: none"> a) NOR b) NAND c) EXOR d) NOT 	1/2
15	<p>Which logical gate is known as Universal gate?</p> <ul style="list-style-type: none"> a)AND b)OR c)NOT d)NAND 	1/2
16	<p>Which of the following is not an operating system?</p> <ul style="list-style-type: none"> a. Windows b. Linux 	1/2

	c. Oracle d. DOS	
17	What is the high speed memory between the main memory and the CPU called? a. Register Memory b. Cache Memory c. Storage Memory d. Virtual Memory	1/2
18	Identify the gate.  a) AND b) NOR c) XNOR d) XOR	1/2
19	What is the extension of Python file? a) .py b) .python c) .p d) None of these	1/2
20	In multiprogramming environment, the OS decides which process gets the processor when and for how much time. This function is called _____. a. process scheduling b. process rescheduling c. traffic controller d. Processor Management	1/2
21	The _____ mode of Python gives instant result of typed statement. a) Interactive mode b) Script mode c) Combination of interactive and script mode d) None of these	1/2
22	Which of the following is an escape sequence for a newline character? a) '\n' b) '\nl' c) '\l' d) None of these	1/2
23	CPU stands for _____. a. Central Processor Unit b. Central Processing Unit c. Control Processing Unit d. None of the above	1/2
24	What will be the output of following code, if user enter 20 as first number and 30 as second number: A=input("enter first number=") B= input("enter second number=") print(A+B)	1/2

	a) 50 b) 2030 c) Error in code d) None of these	
25	Python language created by Guido Van Rossam in 1991 got its name from ____ a) Pythonidae b) BBC Comedy Series c) Circus Name d) None of these	1/2
SECTION B		
This section consists of 24 Questions (26 to 49). Attempt 20 questions. Each carries 1 mark		
26	How many gates are used in the Circuit diagram of Boolean expression $z=(x+y)(x+z)$ a)4 b) 3 c) 5 d) 2	1
27	Which of the following is a valid arithmetic operator in Python: a) ? b) and c) True d) *	1
28	1 nibble equals to _____. 8 bits b) 16 bits c) 4 bits d)None of these	1
29	The hexadecimal equivalent of binary number (110011010010) is – CD4 b) DC2 c) CD2 d) None of these	1
30	Python identifiers are case sensitive. a)True b)False c)depends upon program d)Depends on the computer system	1
31	Which of the following operator cannot used with strings? a) == b) / c) * d) +	1
32	What will be output of this expression $10//5 + 5/2-1*3$ (a)1.5 (b)-1.5 (c) 1.4 d)1	1
33	You don't have to pay for Python and you can view its Source code too. It means Python is _____ (a) Free and open source (b) Freeware (c) Open source (d) Shareware	1

34	Which of the following symbols are not legal in an Octal value? a)7 b)8 c)9 c)0	1
35	Special meaning words of Python, fixed for specific functionality are called a) Identifiers b) keywords c) function d) literals	1
36	Data items having fixed value are called a)Identifiers b) functions c) keywords d)literals	1
37	Which of the following are keywords a)name b) print c)Print d) Object	1
38	Which of the following is valid identifier a) My name b)_myname c)my&name d)my-name	1
39	Which of the following is an escape sequence for tab a)\a b)\t c)\n d)\b	1
40	Which can be used for single line comment a)@ b) // c)\ \ d)#	1
41	Which of the following is not a legal integer type in Python a)Decimal b)Octal c) Roman d) Hexadecimal	1
42	Which of the following can be used as multi line comment a)\ \ b)// c)""" d) @@@	1
43	Which of the following is main memory of the computer a) CD b)DVD c)Hard Drive d)RAM	1
44	Which one of the following is a valid variable name a. Global b. 99odd c. sum d. yo\$oo	1
45	Which two numbers form the binary number system a)0 and 2 b. 1 and 2 c. 0 and 1 d.1 and 3	1
46	Operating System is an example of a) Application Software b) System Software c) Utility program d) None	1
47	Decimal equivalent of (1011) ₂ a) 11 b) 10 c) 12 d) 13	1
48	The output of the following expression is >>>3**1**3 a) 27 b. 1 c. 3 d. error	1
49	Which is not an assignment operator a)/= b. // = c. != d +=	1
<u>SECTION C(case study based questions)</u>		
This section consists of 6 Questions (50-56) attempt any 5 questions. Each carries 1 mark.		

	Give the output of the following when n1=4, n2=3,n3=2	
50	n1 +=n2 + n3 print(n1) a)8 b)9 c)10 d)11	1
51	n1=n1**(n2+n3) print(n1) a)1000 b)2000 c)1024 d)2024	1
52	n1**=n2+n3 print(n1) a)1024 b)2024 c)1000 d)2020	1
53	n1='5'+ '5' print(n1) a)No Output b)Error c)10 d)55	1
54	print(4.00/(2.0+2.0)) a)1 b)8 c)1.0 d)2.0	1
55	n1=float(10) print(n1) a)10 b)10.0 c)1 d)No Output	1
56	n1==24//4//2 print(n1) a)12 b)6 c)3 d)1	