

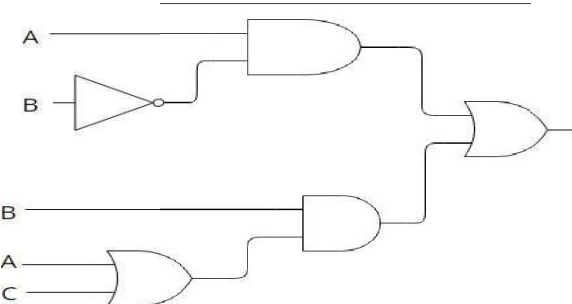
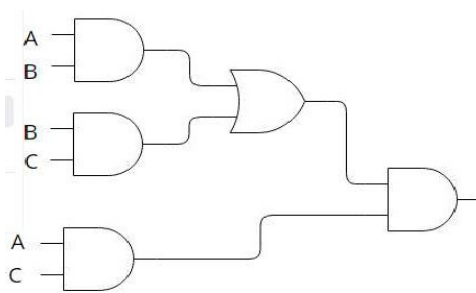
KENDRIYA VIDYALAYA SANGATHAN, RAIPUR REGION
SESSION ENDING EXAM (2024-25)
SUBJECT: COMPUTER SCIENCE (083)
Class: XI
MARKING SCHEME

Max. Marks: 70

Time: 3 Hours

Note: All answers provided in the marking scheme are SUGGESTIVE. Examiners are requested to accept all possible alternative correct answers. Both single and double quotes are acceptable in PYTHON.

SECTION – A		
Q. No	Question	Marks
1	b) rectangle	1
2	c) expression	1
3	c) 516	1
4	c) [1,2,3]	1
5	False	1
6	a) NAND	1
7	b) Identity Theft	1
8	d) {3:3} * 3	1
9	c) Statement 3	1
10	d) bit<nibble<byte<kb<mb	1
11	b) Interpreter	1
12	b) Unicode	1
13	a) F90.C	1
14	d) Phishing	1
15	c) Cyber bullying	1
16	c) Trojan	1
17	(c) 5 3 1	1
18	(a) Cyber ethics	1
19	(c) Both (a) & (b)	1
20	(b) Both A and R are true and R is not the correct explanation for A	1
21	a) Both A and R are true and R is the correct explanation for A	1
SECTION B		
22	2 marks for correct python program L=eval(input("Enter a list of numbers:")) for i in L: if i%3 !=0: print(i, end= ' ')	2

23	<i>I mark each for any correct circuit</i> (i) $AB' + B(A+C)$  (ii) $(AB+BC)(AC)$ 	2
24	<i>½ mark for each correction</i> <pre> x=int(input("Enter speed")) if x>120: print("Vehicle impounded") else x<=80: print("Fine 2000 Rs.") else: __print("Good to go") </pre> OR <i>½ mark for each correct output</i> 1 4 9 10	2
25	<i>I mark for each correct output</i> <pre> <class 'int'> <class 'int'> </pre>	2
26	<i>I mark for each</i> <pre> a=int(input("Enter first number")) c=a/b </pre> #statement 1) missing compile time error #statement 3 Zero DivisionError run time	1+1=2
27	<i>1 mark for <u>definition</u>, ½ mark for each way to avoid</i>	2

	Presenting someone else's idea or work as one's own idea or work is called plagiarism. Two ways to avoid are: (i) Use original or creative ideas (ii) Give credit to the owner OR <i>2 mark for any two etiquettes</i> (i) Be responsible (ii) Be ethical (iii) Be respectful	
28	<i>2 mark for any two ways</i> Two ways of e-waste management. (i) Reduce (ii) Reuse (iii) Recycle	2
	<u>SECTION C</u>	
29	<i>3 marks for correct output, partial marking for partially correct</i> a12210567*	3
30	<i>1 mark for definition and 1 mark for each function</i> Operating System is a system software that operates the computer. An operating system is the most basic system software, without which other software cannot work. Its two functions: (i) Process management (ii) Memory management	3
31	<i>3 marks for correct code, partial marking for partially correct code</i> <pre>for i in range(6,1,-1): for j in range(1, i): print(j, end= ' ') print()</pre> OR <i>3 marks for correct code, partial marking for partially correct code</i> <pre>x=int(input("Enter value of x:")) n=int(input("Enter value of n:")) s=0 for i in range(n+1): s+=x**i print("Sum of series=",s)</pre>	3
	<u>SECTION D</u>	
32	(i) <code>math.fabs()</code> (ii) <code>statistics.mean()</code> (iii) <code>random.randint(1,6)</code> or <code>random.randrange(1,7)</code> (iv) <code>random.random()</code>	1*4=4
33	<i>1 mark for each</i> (i) cyber bullying (ii) inform parents, school authority and police (iii) IT Act (iv) do not make strangers your online friend	1*4=4

34	i)marks.remove(20) ii)marks.index(40) iii) marks.pop(2)/del marks[2] iv)marks.append(70) OR marks.append([80,90,100])	1*4=4
35	1 mark for accepting the string 2 marks each for correct condition for counting alphabets, digits and special symbols 1 mark for printing str1=input("Enter a string:") a=d=s=0 for i in str1: if i.isalpha(): a+=1 elif i.isdigit(): d+=1 else: s+=1 print("Alphabets=",a) print("Digits=",d) print("Symbols=",s)	

	<u>SECTION E</u>	
36	a) $\frac{1}{2}$ mark for each (i) Incre (ii) el (iii) dible Ind (iv) aidnI elbidercnI b) partial marking for partially correct code y=int(input()) if y%400==0 or (y%100!=0 and y%4==0): print("Leap year") else: print("Not a Leap year")	2+3=5
37	(i) 1 mark for each correct statement print(f,s) #Statement-1 t=f+s #Statement-2 s=t #Statement-3 (ii) 1 mark for each correct statement s=0#Statement-1 s= s+ int(i) #Statement-2	3+2=5