



	Write down the output of this program	
	What is the difference between hashing and encryption?	
	What is Spanning tree? Find the minimum spanning tree from the given graph.	
	What is subnet mask? For address 192.168.0.0/29, what is the first IP and last IP address of the 10th and 22 subnet networks?	
	Convert decimal (1741) to hexadecimal?	

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Bangladesh Krira Shikkha Protishtan (BKSP)
Post: Assistant Programmer, Total Marks: 30
Exam Date: 04-12-2022; Time: 45 Minute

SL	Question	Solution
	Count number of digits in a given number.	
	N সংখ্যক নাম্বার কিবোর্ড থেকে নিয়ে সবচেয়ে বড় এবং ছোট টা প্রিন্ট করো।	
	২ টা টেবিল দেওয়া ছিল। সেগুলো থেকে ২টা কুয়েরি করতে বলছে (জয়েনিং এর)।	

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Cadet College
Exam Date: 10.05.2025
Lecturer (ICT)
Dept: 65, Non Part: 35
Exam Taker: MIST

SL	Question	Solution
	192.168.0.0 divided into 4 subnet A 110,B 50, C 20,D 8. Find out network id and broadcast id	
	TCP/IP protocol switch each layer.	
	Write c++ program name class student which three attribute name,roll,marks and using get method to create two object and which students marks is highest print that students name.	
	Find out output of this program <pre>for (int i= 5 ; i>=1;i--){ for(int j=1;j<=i;j++){ print("%3d",j); } }</pre>	
	Full adder circuit and diagram	
	X-OR and X-NOR gate truth table diagram	
	Define RDBMS and Primary key, Candidate key, Super key Foreign key.	



	3 into 8 encoder logic diagrams	
	Define operating system. Why resources allocation graph is using for deadlock detection explain it.	
	Define network topology and classifying it.	
	Difference between while loop and do while loop	
	Round Robin scheduling algorithm find out completion time, round around time, waiting time, response time.	
	Conversion. i.decimal number 9 base number, ii.octal number to decimal number. ii.octal number to hexadecimal number.	
	Write down selection sort algorithm. Find out best case, average case, worst case time complexity.	
	English =35 1.Comprehension (5 marks) 2.Preposition (10 marks) 3.Paragraph on A good teacher make future leaders (10 marks) 4.Translation B2E (10 marks)	

1	West Zone Power Distribution Company Ltd (WZPDCL) Assistant Engineer (CSE), Date: 29-06-2019 Exam Center: KUET, Marks: 100 (Non Dept. 30+70 Dept.)
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SL	Question	Solution
	What is tautology? Write an example of contrapositive?	
	What is linear and Non-linear data structure? Write an example of data structure which represents logarithmic complexity?	
1	How many bit for IPv6? Write an example of IPv6?	
2	What is constructor function? Write an example of constructor function?	
3	A Java program output: Pubic static void main(string [] args) Int I = 0, j = 5; For (;(i<3 && (j<10);j++) { system.out.println(""+i++ + ""+j); } { system.out.println(""+i++ + ""+j);	