

1	Dhaka University of Engineering and Technology Exam Date: 2020 Post: Assistant Programmer Dept: 70
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SL	Question	Solution
1	Which is better CSS	
2	HTML code to make table structure	
3	What do you mean by MVC Pattern? How it can be detected in GET and POST Method	
4	Write Full Form and Functions of the below Form: SAN, ICMP, MAC, Subnet	
5	Linux Command: Create a new user Path address Connection check Show IP address Show MAC address	
6	C++ Program	
7	Database Query to show 2 nd highest salary of an employee	

2	North-West Power Generation Company Ltd.-2022 Post: Junior Assistant Manager (ICT) Date: 26.08.2022; Marks: 100; Time: 1.00 Hours
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SL	Question	Solution
1	If (NORTH-23 and WEST-25, then what is POWER=?)	
2	What is the output of the following code? <pre>int main () { int a=1; printf("%d%d%d", ++a, a, a++); return 0; }</pre>	
3	Implementation the following two Boolean functions using NAND gate only. (a) $F = A + (B' + C) (D' + B * E')$ (b) $F = ((A + B) + CD) E$	
4	Write down the SQL command into the following two: (a) Find out the all information of employees from emp_info table. Where employee's salary is more than 20,000 and city is Dhaka. (b) Update employee name 'Mr. X' in Emp info, whose epn_id is 2.	
5	A Network IP Address is 172.16.236.92/27. Find out the (a) Subnet Mask, (b) Network Address and (c) Broadcast Address.	
	Non Departmental	

6	How many triangles are in the following figure?	
7	In a class total number of students is 120. 40% of the students are females and rest of the students is males. If 50% of the female's student is passed in the exam. Total 72 students are passed in the exam. Find the percentages of the male's students passed?	
8	Write down the answer in the following question about PADMA Bridge. (a) What is the Project Name of Padma Bridge? (b) What is the Length and Width of Padma Bridge? (c) Total connected roads in both sides of the Padma Bridge. (d) Which authority maintenance the Padma Bridge in Bangladesh	
9	Write down the top-5 country name to affect by COVID-19.	
10	Write at least five renewable energy name those are uses in Bangladesh.	
11	Supposed ($x < 0$)? 10:15: If $x = 5$, then which one is the correct answer: (a) 10 (b) 15 (c) 0 (d) 1 12. English: (a) নিরক্ষরতা একটি অভিশাপ। (English) (b) Crying is wilderness. (বাংলায়) (c) He is found his duty practices. 13. বাংলা: (ক) কো নিচের কোনটি শুদ্ধ বানান? (a) শূন্য (b) পুণ্য (c) ত্রিভুজ (d) ভূবণ (খ) মৃন্ময় এর সন্ধিবিন্দু কি? (a) মৃৎ+ময় (b) মৃত + ময় (c) মির+ময় (d) মিন+ময়	
12	General Knowledge: (1) WPGCL is under which organization? (a) PGCB (b) DPDC (c) BREB (d) BPDB (2) Which award did the Ministry of Power, Energy and Minerals get in 2021? (a) Ekushey Podok (b) The Independence Award (c) Agricultural Award (d) President Award (3) Which country is called "Mid Night Summer" country? (a) Finland (b) Denmark. (c) Norway (d) Japan (4) 802.16 is the standard format of _____? (a) Wireless broadband standards (b) Wireless LAN (c) Bluetooth (d) Connecting two LAN (5) Which protocol is used for a user to connect remote host login to local host? (a) TCP (b) FTP (c) HTTP (d) Telnet (6) Power empty set zero means? (a) 0 (b) zero (c) empty set (d) Vacant set	

3	Dhaka University of Engineering and Technology Exam Date: 01/02/2025 Post: Assistant Programmer Dept: 70
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SL	Question	Solution
1	Array vs linked list.	
2	Status and Control flag of 8086.	
3	Binary to Decimal conversion program (c/c++).	
4	In a class of 100 students, 72 can speak English, 43 can speak Bangla. (i) How many students can speak both? (ii) How many students can speak Bangla only?	
5	$F = (w,x,y,z) = \{3,5,7,9,10,13,14,15\}$ Simplify using karun map and design output using gates.	
6	Find out the total current IT And vs?	
7	Name of Institute that assign IP address and many DN.	
8	172.168.19.92/27. Find out (i) Subnet Mask (ii) Network address (iii) Broadcast address (iv) Total host.	
9	In a bag there are 2 white balls, 3 Red balls, 2 black balls. What is the probability of a ball not to be black?	

4	Dhaka Electricity Supply PLC (DESCO) Exam Date: 15/05/2026 Post: Sub-Assistant Engineer (Computer) Dept: 70 Exam taker : DUET
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SL	Question	Solution
1	NAT, DSSS, RIP, EIGRP, DHCP, IoT এর পূর্ণরূপ লিখ।	
2	নিচের Instruction গুলোর Addressing Mode লিখঃ * MOV AX, BX * MOV AX, [SI] * MOV AX, 006H * MOV [AX], [BX]	
3	Bubble Sort কী? এর Best, Average এবং Worst Case Time Complexity লিখ।	
4	(iii) DeMorgan's Duality Formula লিখ এবং উদাহরণ দাও।	
5	DESCO System এ Customer Information, Prepaid Meter Information, Payment Information ও Complaint Records আছে। এদের জন্য একটি Database Schema অঙ্কন কর।	
6	সার্কিট সম্পর্কিত একটি সমস্যা সমাধান কর।	
7	Rooppur Nuclear Power Plant কোন ধরনের জ্বালানি ব্যবহার করে?	
8	Coal Power Plant এর ২টি পরিবেশগত প্রভাব লিখ।	
9	Solar Power Plant এর ২টি সুবিধা লিখ।	
10	নিচের বাক্যটির Voice Change করঃ	

	"They must have overlooked the details during the review." Translate into English: "যতই চেষ্টা কর না কেন, সত্যকে লুকানো যায় না।" CAT = 24, DOG = 26 হলে, COW = ? বাক্য কত প্রকার ও কী কী? SDG সম্পর্কে লিখ। Sonar Tori কবিতায় Rabindranath Tagore কী নিয়ে আলোচনা করেছেন?	
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