

Group B

2. Who is database administrator? Explain the major roles and responsibilities of DBA. [1 + 4]
3. Define operating system? Explain the open-source operating system.[1 + 4]
4. What is ergonomic keyboard? Explain working mechanism of keyboard.[1+4]
5. Explain different types of computer on the basis of size and power.[5]
6. What is DBMS? Explain Relational database model with suitable diagram.[5]
7. Prepare a specification of personal computer which you want to purchase.[1+4]
8. Explain any five DOS command with suitable example.[5]

Group C

9. Prepare following spreadsheet:

ABC Campus

Kathmandu

	A	B	C	D	E	F	G	H	I	J	K
1	SN	Name	CFA	Logic	Math	So Tech	English	Total	Per	Result	Grad
2	1	Ram	45	56	54	44	45	?	?	?	?
3	2	Sham	50	45	53	45	45	?	?	?	?
4	3	Hari	46	44	45	46	45	?	?	?	?

Conditions:

- a. Write appropriate formula to find the total marks of each students.[1]
 - b. Write formula to find out the percentage of each student.[1]
 - c. Result is passed if student score at least 40% marks in each subject.[2]
 - d. Write a formula to calculate grade of student based on percentage. (A for ≥ 90 , B for ≥ 80 , C for ≥ 70 , D for ≥ 60 , E for ≥ 40)[3]
 - e. Write a formula to find rank of individual student who has passed result.[1]
 - f. Write a remarks base on following conditions:[2] ("Excellent" for A grade,"Good" for B, "Fair" for C, "Moderate" for D and "Satisfactory" for E)
10. a) What is mail merge? Explain the major functions available in the Review tab of word document.[1 + 4]

10. b)What is Photoshop? Write the steps to create MRP sized photograph in JPEG format.[1+4]

11. Define Computer Network? Explain OSI model in detail.[2 + 8]