	(3 Hours)	[10tal Marks: 60
N.B.	<ul><li>(1) All questions are compulsory</li><li>(2) Figures to the right indicate maximum marks to</li><li>(3) Draw neat diagrams wherever necessary</li></ul>	question/sub question
Atte	mpt <b>any two</b> of the following :-	12
1.	<ul><li>(a) State the types of topologies used in compusuitable diagram, STAR topology.</li><li>(b) Explain the development of computer through i giving improvements in hardware design and u</li><li>(c) Explain (i) static RAM (ii) dynamic RAM</li></ul>	ts generations clearly
2.	Attempt <b>any two</b> of the following:-	12
	<ul> <li>(a) Describe the use and importance of flag regis microprocessor.</li> <li>(b) Explain (i) Latch (ii) Buffer.</li> <li>(c) Draw the functional block diagram of 8085 microprocessor.</li> </ul>	
3.	Attempt <b>any two</b> of the following:-  (a) Explain <b>five interrupts</b> available in 8085 microp  (b) Explain the effect of the following instructions:  (i) DCX B  (ii) MVI B,40H  (iii) LXI H  (c) Explain with suitable examples, implied <b>and re</b> used in 8085 microprocessor	, C300H
4.	Attempt <b>any two</b> of the following:- (a) Write a short note on <b>digital camera</b> . (b) State the characteristics of a good search engine (c) What do you understand by <b>computer virus</b> ? used to prevent damage to data from viruses.	
5.	Attempt <b>any four of</b> the following:- (a) With reference to 8085, explain the <b>Accumulate</b> (b) Convert (32) <sub>10</sub> to <b>hexadecimal</b> number system (c) Write a short note <b>on any one</b> optical storage de (d) Explain the functions of following pins of 8085 to (ii) ALE (e) Explain the USB port (f) Write a short note on sound card	evice.
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