

End Semester Examination

May-June 2023

COS1072B - Computer Organization & Introduction to Microprocessor

Schedule ID: 13176

Faculty/School	Faculty of Science	Term	Semester II
Program	FYBCA	Duration	1 Hours 30 Minutes
Specialization	--	Max. Marks	40

Read the instructions provided for every question properly before attempting the answer.

Section 1 - [7 Questions, 8 Marks] (5 X 8 Marks) Answer any 5 questions

1	a) Explain Hardwired control unit and microprogrammed control unit b) Explain virtual memory concept.	8 marks	CO1,CO5	Understanding
2	Write down any 8 features of 8086 microprocessor.	8 marks	CO4	Remembering
3	Explain types of memory with Tree diagram and explain in detail each	8 marks	CO1,CO5	Understanding
4	a) Compare RISC and CISC b) What do you mean by opcode, explain with example.	8 marks	CO1,CO4,CO5	Understanding
5	a) Draw connection diagram of Input/Output devices with CPU b) Explain about I/O Bus and Interface module. c) Explain Status command. d) Functions of I/O interface.	8 marks	CO2,CO5	Understanding
6	a) Explain Bus Request b) Explain Bus Grant c) Give two advantages and disadvantages of DMA.	8 marks	CO1,CO3	Understanding
7	Draw and explain basic structure of CPU.	8 marks	CO1,CO5	Remembering

END OF QUESTION PAPER