(Affiliated to University of Mumbai)	***End Semester Examination (R-24/R-25) SH 2026 Answer Key with marking scheme***	
Branch: ECS	Course: Microprocessor and Microcontroller	
Year/ Semester: TE V	Course code:ECC501	
Time: 03 hours	Marks: 80	
		Marks
Q. 1	All questions are compulsory.	
A.	Any 5 features	5M
B.	5 Differences	5M
C.	CORTEX A CORTEX B CORTEX M	2M 1.5M 1.5M
D.	Interrupt types Priority handling	2M 1M 2M
E.	Format Explanation	2M 3M
F.	Any 5 instructions with example,1 instruction 1 mark each	5M
Q.2A	Modes Example Explanation	5M 3M 2M
	OR	
Q.2B.	Flowchart Program Input/output	2M 5M 3M
Q.3A	SFR with Memory address Functions	4M 6M
	OR	
Q.3B	Diagram Working Bank Selection	4M 4M 2M
Q.4A	Program Logic Program Explanation	2M 5M 3M
	OR	
Q.4B	Pipelining diagram and explanation Branch Prediction explanation	5M 5M
Q.5A	Listing of 7 operating mode Explanation Applications	2M 6M 2M
	OR	
Q.5B	5 Instructions Syntax Function	3M 3M 4M

Q.6A	Timer setting Program Explanation	2M 4M 4M
	OR	
Q.6B	Interfacing diagram Program with explanation	5M 5M
	*********** All the Best***********	