

## Consistency between Programme Outcomes and NCAAA Outcomes

Code  
MUP05

			NCAAA Outcomes													
			A <sub>NCAAA</sub>			B <sub>NCAAA</sub>			C <sub>NCAAA</sub>			D <sub>NCAAA</sub>			E <sub>NCAAA</sub>	
			a1	a2	a3	b1	b2	b3	c1	c2	c3	d1	d2	d3	e1	e2
Programme Outcomes	A	a1	√	√	√	√	√	√		√	√	√	√			
		a2	√	√	√	√		√	√	√	√		√	√		
		a3	√					√	√	√						
	B	b1	√	√	√	√	√				√	√				
		b2	√	√		√	√	√		√	√	√				√
	C	c1			√		√		√	√	√					√
		c2			√		√		√	√	√					
		c3						√	√	√						
	D	d1	√	√	√					√		√				
		d2	√	√			√	√				√	√			√
		d3	√		√				√			√		√	√	
	E	e1	√	√			√			√	√	√	√		√	

(A) knowledge

(B) cognitive skills

(C) interpersonal skills and responsibility

(D) communication, information technology and numerical skills

(E) Psychomotor skills

### *Programme Outcomes*

Domain	Code	SO
A	a1	Apply fundamentals and concepts of mathematics.
	a2	Apply fundamentals and concepts of General sciences and Computer skills
	a3	Realize Social and ethical values
B	b1	Read and construct mathematical arguments and proofs
	b2	Apply critical thinking skills to solve problems that can be modeled mathematically
C	c1	Work independently and within a team
	c2	Bear responsibility for different situations
	c3	Realize codes of ethics and their importance.
D	d1	Communicate a depth and breadth of mathematical knowledge, both orally and in writing
	d2	Ability to Organize, connect and communicate mathematical and algorithmic ideas
	d..	Critically interpret numerical and graphical data.
E	e1	Use computer and its applications as an office

### *NCAAA Outcomes*

Domain	Code	SO
A	a1	Knowledge of facts.
	a2	Knowledge of concepts, principles and theories.
	a3	Knowledge of procedures
B	b1	Apply conceptual understanding of concepts, principles, and theories
	b2	Apply procedures involved in critical thinking and creative problem solving, both when required to do so, and when faced with unanticipated new situations
	b3	Investigate issues and problems in a field of study using a range of sources and draw valid conclusions
C	c1	Work effectively in groups and exercise leadership when appropriate
	c2	Act responsibly in personal and professional relationships
	c3	Take responsibility for their own learning and continuing personal and professional development
D	d1	Use modern mathematical and statistical techniques
	d2	Communicate effectively in oral and written form
	d3	Use information and communications technology.
E	e1	Psychomotor skills include manual dexterity and the capacity to

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		manage physical behavior with precision and skill.
	e2	Descriptions of the level of psychomotor skills expected of a bachelor's degree graduate will vary widely for different fields of study according to the nature of the skills to be developed in different academic areas or professional fields