Grader: **Oğul Can Yurdakul**

Group: **13**

Grade: **85 / 100**

Questions	Grading Criteria		Points	Q. Total
General		Late submission		
		Submission very hard to read		
1.A	x	Correct sample space given with sufficient explanations	2 / 2	
				2 / 2
1.B	x	Correct event given for i	1 / 1	
	x	Correct event given for ii	1 / 1	
	x	Correct event given for iii	1 / 1	
	x	Correct event given for iv	1 / 1	
				4 / 4
1.C	x	Probabilities expressed as correct sums	1 / 1	
	-	Geometric sums given and evaluated with justification	1 / 2	
	x	Correct final expression	1 / 1	
				3 / 4
1.D	x	Valid reasoning for computing the given probabilities	2 / 2	
	*	Explicit reference to axioms in relevant steps	1.5 / 2	
	x	Correct final expressions	1 / 1	
	What's axiom 2 or 3? Name them!			4.5 / 5
1.E	x	Specific case shown with valid reasoning	2 / 2	
		Valid reasoning for the general case	0 / 2	
		Correct proof with reference to axioms	0 / 1	
	That's not how proofs work			2 / 5
2.A	x	Event B expressed in terms of the given sets	2 / 2	
	x	B defined with set operations (e.g. no conditioning)	2 / 2	
		Event B defined without reference to A_2	0 / 2	
	Not the intersection but the union!		-2	2 / 6
2.B	x	Conditional probability formula given	1 / 1	
	x	Calculations with set cardinalities expressed	3 / 3	
	*	Correct final probability	1.5 / 2	
	Okay you wrote union here, I'm giving it back.		2	7.5 / 6
2.C	x	Correct idea	2 / 2	
	x	Initial formula developped sufficiently	2 / 2	
	x	Valid final expression	2 / 2	
	x	Final expression does not fail if a=b or a=2 or b=2	2 / 2	
	You can go for A_lcm(a,b) etc.			8 / 8

3.A	x	Correct idea	2 / 2	
	x	Bayes' rule applied correctly	2 / 2	
		The use of total probability is justified	0 / 2	
	x	Correct final probability	2 / 2	
				6 / 8
3.B	x	Correct idea	2 / 2	
	x	Bayes' rule applied correctly	2 / 2	
		The use of total probability is justified	0 / 2	
	x	Correct final probability	2 / 2	
				6 / 8
3.C	x	Correct idea	2 / 2	
	x	Correct final probability	2 / 2	
				4 / 4
4.A	x	Correct answer	4 / 4	
				4 / 4
4.B		Assp. re. the occurrence of ω_q stated explicitly	0 / 1	
	x	Correct idea	2 / 2	
	x	Possible cases for the finite cases stated	2 / 2	
	x	Correct final expression	2 / 2	
	Be careful with the summation index!			6 / 7
4.C	x	Correct idea	1 / 1	
	x	Infinite experiment probability handled with a limit, an infinite sum, or a recursive expresssion	3 / 3	
	-	Suggested solution developed with sufficient rigor (e.g. convergence conditions stated)	1.5 / 3	
	x	Correct final expression	2 / 2	
	Be careful with the summation index!			7.5 / 9
5 General	-	Question returned in an original report format, with no duplications from the question text	2 / 4	
	-	Plots presented with axis labels, titles, legends, etc.	2 / 4	
	x	Important comments made when necessary	4 / 4	
	Easy on the use of bold font.			8 / 12
5.I	x	Sampling implemented correctly	1 / 1	
	x	Histogram presented	1 / 1	2 / 2
5.II	x	Inline estimation code	1 / 1	
	x	Estimator as a function given	2 / 2	3 / 3
5.III	x	Correct coding and plotting of the estimator trajectory with the same dataset's initial segments	1 / 1	
	x	Questions answered	2 / 2	
	x	Bonus: Multiple valid trajectories shown	2 / 2	5 / 3

Additional comments: Brilliant LaTeX work, if only I could give you a bonus for that!

Symbol	Meaning
x	Full credit
-	Half credit (can be awarded due to insufficient justification)
**	-1 due to major calculation error (e.g. Linear algebra error)
*	-0.5 due to minor calculation error
	No credit (can be awarded due to lack of justification)