

Final Exam  
Academic Year 1443-1444 Hijri- Second Semester

Exam Information معلومات الامتحان		
Course name	Stochastic Processes	
Course Code	380 Math	
Exam Date	2023-03-01	1444-08-09
Exam Time	08: 00 AM	
Exam Duration	3 hours	ثلاث ساعات
Classroom No.		
Instructor Name		

Student Information معلومات الطالب		
Student's Name		
ID number		
Section No.		
Serial Number		

**General Instructions:**

- Your Exam consists of  PAGES (except this paper)
- Keep your mobile and smart watch out of the classroom.
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- عدد صفحات الامتحان  صفحة. (باستثناء هذه الورقة)
- يجب إبقاء الهواتف والساعات الذكية خارج قاعة الامتحان.
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هذا الجزء خاص بأستاذ المادة

*This section is ONLY for instructor*

#	Course Learning Outcomes (CLOs)	Related Question (s)	Points	Final Score
1	1.1 Explain fundamental concepts advanced probability and stochastic processes and their applications life and nonlife insurance.	Q1(b)	4	40
2	1.2 Describe different models using stochastic processes in real life problems.	Q2(b) Q4(a,b)	10	
3	2.1 Evaluate and solve problems of risks using Markov chains models.	Q2(a) Q3(a,b)	9	
4	2.2 Model actuarial, financial and many life problems using applied mathematics concepts and stochastic processes.	Q5(a,b) Q6(a,b)	14	
5	3.1 Prepare partially student to Probability and LTAM of SOA Exams	Q1(a)	3	
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