

MAT 2377

Winter 2020

Final Exam

April 20, 2020

Time Limit: 3 Hours

Final Examination

Version: 27866

Start Time: 2PM EST

This exam contains 8 pages (including this cover page and tables) and 110 questions.

Read carefully: if you submit answers for this online examination, you promise and certify that

- all work done during the assigned exam period will be done entirely by yourself, with no help from others;
- you will not communicate with anybody except the professor during the exam, for exam- and course-related questions;
- you will not consult any people, sources, or writings other than the course textbook, your self-made review sheets, your course notes, your prepared answers, the course documents made available on Brightspace, and the exam itself;
- you will not provide information related to the exam's contents to other people until 24 hours after the exam is over.

Obviously, we do not have a way to monitor your adherence to these instructions (nor do we really wish to look for one); we will be asking, instead, for your word of honour that you will follow the directives and work on this examination alone.

Multiple choice questions and true or false question are worth 1 mark each; short answer questions, 2 marks. There are no part marks. For each question, record your answer in the corresponding space on the answer sheet that has been provided separately (save your file regularly). For multiple choice questions, select the closest answer among the options, when appropriate; for short answer questions, provide an answer to at least 2 decimals.

IMPORTANT: every student has been assigned a different exam (based on the last 5 digits of your student number). You need to answer the questions of the final exam that has been specifically assigned to you.

When you have answered all the questions and you are ready to upload the answers to Brightspace, save your answers to the file `Answer_Sheet_27866.pdf`. We suggest that you print and scan or take a screenshot (with time stamp) of your completed answer sheet before uploading to Brightspace (see the appropriate location in the "Assignment" section where you uploaded your 3rd assignment), and that you keep a copy of these documents (with time stamp). Should Brightspace's upload functionality does not work when you are ready to submit, wait a little bit and try again; as a last recourse, please email your answer sheet with saved answers to `pboily@uottawa.ca` if you are registered in section A or `iyadegar@uottawa.ca` if you are registered in section B.

No worries. You've got this.

1. [1] Multiple Choice Question
B
2. [1] Multiple Choice Question
C
3. [1] Multiple Choice Question
A
4. [1] Multiple Choice Question
B
5. [1] Multiple Choice Question
C
6. [1] Multiple Choice Question
A
7. [1] Multiple Choice Question
A
8. [1] Multiple Choice Question
B
9. [1] Multiple Choice Question
B
10. [1] Multiple Choice Question
C
11. [1] Multiple Choice Question
A
12. [1] Multiple Choice Question
D
13. [1] Multiple Choice Question
C
14. [1] Multiple Choice Question
A
15. [1] Multiple Choice Question
E
16. [1] Multiple Choice Question
D
17. [1] Multiple Choice Question
E

18. [1] Multiple Choice Question
A
19. [1] Multiple Choice Question
A
20. [1] Multiple Choice Question
C
21. [1] Multiple Choice Question
A
22. [1] Multiple Choice Question
B
23. [1] Multiple Choice Question
C
24. [1] Multiple Choice Question
A
25. [1] Multiple Choice Question
A
26. [1] Multiple Choice Question
E
27. [1] Multiple Choice Question
C
28. [1] Multiple Choice Question
C
29. [1] Multiple Choice Question
A
30. [1] Multiple Choice Question
C
31. [1] Multiple Choice Question
C
32. [1] Multiple Choice Question
D
33. [1] Multiple Choice Question
A
34. [1] Multiple Choice Question
D

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35. [1] Multiple Choice Question
A
36. [1] Multiple Choice Question
D
37. [1] Multiple Choice Question
E
38. [1] Multiple Choice Question
D
39. [1] Multiple Choice Question
A
40. [1] Multiple Choice Question
B
41. [1] Multiple Choice Question
C
42. [1] Multiple Choice Question
B
43. [1] Multiple Choice Question
A
44. [1] Multiple Choice Question
A
45. [1] Multiple Choice Question
C
46. [1] Multiple Choice Question
B
47. [1] Multiple Choice Question
B
48. [1] Multiple Choice Question
C
49. [1] Multiple Choice Question
B
50. [1] Multiple Choice Question
A
51. [1] Multiple Choice Question
A

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52. [1] Multiple Choice Question
B
53. [1] Multiple Choice Question
B
54. [1] Multiple Choice Question
A
55. [1] Multiple Choice Question
C
56. [1] Multiple Choice Question
B
57. [1] Multiple Choice Question
A
58. [1] Multiple Choice Question
D
59. [1] Multiple Choice Question
A
60. [1] Multiple Choice Question
A
61. [1] Multiple Choice Question
B
62. [1] Multiple Choice Question
D
63. [1] Multiple Choice Question
B
64. [1] Multiple Choice Question
A
65. [1] Multiple Choice Question
B
66. [1] Multiple Choice Question
D
67. [1] Multiple Choice Question
D
68. [1] Multiple Choice Question
B

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69. [1] **Multiple Choice Question**
C
70. [1] **Multiple Choice Question**
C
71. [1] **Multiple Choice Question**
A
72. [1] **Multiple Choice Question**
C
73. [1] **Multiple Choice Question**
B
74. [1] **Multiple Choice Question**
B
75. [1] **Multiple Choice Question**
A
76. [1] **Multiple Choice Question**
B
77. [1] **Multiple Choice Question**
A
78. [1] **True or False Question**
True
79. [1] **True or False Question**
False
80. [1] **True or False Question**
False
81. [1] **True or False Question**
True
82. [1] **True or False Question**
True
83. [1] **True or False Question**
True
84. [1] **True or False Question**
False
85. [1] **True or False Question**
False

86. [1] **True or False Question**
True
87. [1] **True or False Question**
True
88. [1] **True or False Question**
False
89. [1] **True or False Question**
True
90. [1] **True or False Question**
False
91. [1] **True or False Question**
False
92. [1] **True or False Question**
False
93. [1] **True or False Question**
False
94. [2] **Short Answer Question**
[0.305,1.180]
95. [2] **Short Answer Question**
[0.493,60.736]
96. [2] **Short Answer Question**
[0.106,1.379]
97. [2] **Short Answer Question**
[-13.214, 74.443]
98. [2] **Short Answer Question**
[69.88,80.40]
99. [2] **Short Answer Question**
[87.18,107.63]
100. [2] **Short Answer Question**
[67.49,82.79]
101. [2] **Short Answer Question**
[82.52,112.28]
102. [2] **Short Answer Question**
[62.01,88.27]

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103. [2] **Short Answer Question**
[81.61,113.19]
104. [2] **Short Answer Question**
[56.04,94.24]
105. [2] **Short Answer Question**
[74.43,120.38]
106. [2] **Short Answer Question**
27.21
107. [2] **Short Answer Question**
 $y = 30.61 + 0.74x$
108. [2] **Short Answer Question**
0.81
109. [2] **Short Answer Question**
[22.48,35.57]
110. [2] **Short Answer Question**
[22.55,35.50]