

King Fahd University of Petroleum and Minerals  
Department of Mathematics

**MATH101**  
**Final Exam**  
**Term 212**  
**Friday, July 22, 2022**

**EXAM COVER**

**Number of versions: 4**  
**Number of questions: 10**

King Fahd University of Petroleum and Minerals  
Department of Mathematics  
**MATH101**  
**Final Exam**  
**Term 212**  
**Friday, July 22, 2022**  
**Net Time Allowed: 120 Minutes**

**MASTER VERSION**

1. This is the body of question 1

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

2. This is the body of question 2

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

3. This is the body of question 3

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

4. This is the body of question 4

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

5. This is the body of question 5

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

6. This is the body of question 6

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

7. This is the body of question 7

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

8. This is the body of question 8

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

9. This is the body of question 9

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

10. This is the body of question 10

- (a) Item 1\_\_\_\_\_ (correct)
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 5

King Fahd University of Petroleum and Minerals  
Department of Mathematics

CODE01

CODE01

**MATH101**  
**Final Exam**  
**Term 212**  
**Friday, July 22, 2022**  
**Net Time Allowed: 120 Minutes**

Name: \_\_\_\_\_

ID: \_\_\_\_\_ Sec: \_\_\_\_\_.

**Check that this exam has 10 questions.**

**Important Instructions:**

1. All types of calculators, pagers or mobile phones are NOT allowed during the examination.
2. Use HB 2.5 pencils only.
3. Use a good eraser. DO NOT use the erasers attached to the pencil.
4. Write your name, ID number and Section number on the examination paper and in the upper left corner of the answer sheet.
5. When bubbling your ID number and Section number, be sure that the bubbles match with the numbers that you write.
6. The Test Code Number is already bubbled in your answer sheet. Make sure that it is the same as that printed on your question paper.
7. When bubbling, make sure that the bubbled space is fully covered.
8. When erasing a bubble, make sure that you do not leave any trace of penciling.



1. This is the body of question 3

- (a) Item 5
- (b) Item 4
- (c) Item 2
- (d) Item 3
- (e) Item 1

2. This is the body of question 1

- (a) Item 3
- (b) Item 1
- (c) Item 5
- (d) Item 2
- (e) Item 4

3. This is the body of question 7

- (a) Item 3
- (b) Item 4
- (c) Item 1
- (d) Item 5
- (e) Item 2

4. This is the body of question 8

- (a) Item 2
- (b) Item 1
- (c) Item 4
- (d) Item 5
- (e) Item 3

5. This is the body of question 6

- (a) Item 5
- (b) Item 3
- (c) Item 1
- (d) Item 2
- (e) Item 4

6. This is the body of question 4

- (a) Item 5
- (b) Item 2
- (c) Item 4
- (d) Item 1
- (e) Item 3

7. This is the body of question 10

- (a) Item 5
- (b) Item 4
- (c) Item 1
- (d) Item 3
- (e) Item 2

8. This is the body of question 9

- (a) Item 2
- (b) Item 4
- (c) Item 3
- (d) Item 1
- (e) Item 5

9. This is the body of question 2

- (a) Item 2
- (b) Item 3
- (c) Item 4
- (d) Item 1
- (e) Item 5

10. This is the body of question 5

- (a) Item 3
- (b) Item 1
- (c) Item 5
- (d) Item 4
- (e) Item 2

King Fahd University of Petroleum and Minerals  
Department of Mathematics

**CODE02**

**CODE02**

**MATH101**  
**Final Exam**  
**Term 212**  
**Friday, July 22, 2022**  
**Net Time Allowed: 120 Minutes**

Name: \_\_\_\_\_

ID: \_\_\_\_\_ Sec: \_\_\_\_\_.

**Check that this exam has 10 questions.**

**Important Instructions:**

1. All types of calculators, pagers or mobile phones are NOT allowed during the examination.
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6. The Test Code Number is already bubbled in your answer sheet. Make sure that it is the same as that printed on your question paper.
7. When bubbling, make sure that the bubbled space is fully covered.
8. When erasing a bubble, make sure that you do not leave any trace of penciling.

1. This is the body of question 7

- (a) Item 3
- (b) Item 5
- (c) Item 2
- (d) Item 4
- (e) Item 1

2. This is the body of question 1

- (a) Item 3
- (b) Item 2
- (c) Item 5
- (d) Item 4
- (e) Item 1

3. This is the body of question 6

- (a) Item 5
- (b) Item 4
- (c) Item 3
- (d) Item 1
- (e) Item 2

4. This is the body of question 5

- (a) Item 5
- (b) Item 4
- (c) Item 2
- (d) Item 3
- (e) Item 1



5. This is the body of question 3

- (a) Item 1
- (b) Item 3
- (c) Item 4
- (d) Item 5
- (e) Item 2

6. This is the body of question 10

- (a) Item 5
- (b) Item 2
- (c) Item 3
- (d) Item 4
- (e) Item 1

7. This is the body of question 8

- (a) Item 1
- (b) Item 5
- (c) Item 4
- (d) Item 3
- (e) Item 2

8. This is the body of question 2

- (a) Item 5
- (b) Item 1
- (c) Item 3
- (d) Item 4
- (e) Item 2

9. This is the body of question 9

- (a) Item 4
- (b) Item 3
- (c) Item 1
- (d) Item 5
- (e) Item 2

10. This is the body of question 4

- (a) Item 4
- (b) Item 5
- (c) Item 2
- (d) Item 3
- (e) Item 1

King Fahd University of Petroleum and Minerals  
Department of Mathematics

**CODE03**

**CODE03**

**MATH101**  
**Final Exam**  
**Term 212**  
**Friday, July 22, 2022**  
**Net Time Allowed: 120 Minutes**

Name: \_\_\_\_\_

ID: \_\_\_\_\_ Sec: \_\_\_\_\_.

**Check that this exam has 10 questions.**

**Important Instructions:**

1. All types of calculators, pagers or mobile phones are NOT allowed during the examination.
2. Use HB 2.5 pencils only.
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7. When bubbling, make sure that the bubbled space is fully covered.
8. When erasing a bubble, make sure that you do not leave any trace of penciling.

1. This is the body of question 2

- (a) Item 2
- (b) Item 3
- (c) Item 5
- (d) Item 4
- (e) Item 1

2. This is the body of question 3

- (a) Item 4
- (b) Item 5
- (c) Item 2
- (d) Item 1
- (e) Item 3

3. This is the body of question 10

- (a) Item 4
- (b) Item 5
- (c) Item 3
- (d) Item 2
- (e) Item 1

4. This is the body of question 9

- (a) Item 3
- (b) Item 1
- (c) Item 4
- (d) Item 2
- (e) Item 5

5. This is the body of question 5

- (a) Item 1
- (b) Item 4
- (c) Item 2
- (d) Item 5
- (e) Item 3

6. This is the body of question 8

- (a) Item 4
- (b) Item 3
- (c) Item 1
- (d) Item 2
- (e) Item 5

7. This is the body of question 4

- (a) Item 4
- (b) Item 1
- (c) Item 5
- (d) Item 3
- (e) Item 2

8. This is the body of question 7

- (a) Item 2
- (b) Item 4
- (c) Item 5
- (d) Item 1
- (e) Item 3



9. This is the body of question 6

- (a) Item 2
- (b) Item 1
- (c) Item 4
- (d) Item 5
- (e) Item 3

10. This is the body of question 1

- (a) Item 5
- (b) Item 3
- (c) Item 4
- (d) Item 2
- (e) Item 1

King Fahd University of Petroleum and Minerals  
Department of Mathematics

CODE04

CODE04

**MATH101**  
**Final Exam**  
**Term 212**  
**Friday, July 22, 2022**  
**Net Time Allowed: 120 Minutes**

Name: \_\_\_\_\_

ID: \_\_\_\_\_ Sec: \_\_\_\_\_.

**Check that this exam has 10 questions.**

**Important Instructions:**

1. All types of calculators, pagers or mobile phones are NOT allowed during the examination.
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8. When erasing a bubble, make sure that you do not leave any trace of penciling.

1. This is the body of question 9

- (a) Item 3
- (b) Item 5
- (c) Item 1
- (d) Item 4
- (e) Item 2

2. This is the body of question 2

- (a) Item 1
- (b) Item 4
- (c) Item 3
- (d) Item 2
- (e) Item 5

3. This is the body of question 1

- (a) Item 3
- (b) Item 5
- (c) Item 1
- (d) Item 4
- (e) Item 2

4. This is the body of question 6

- (a) Item 3
- (b) Item 4
- (c) Item 5
- (d) Item 2
- (e) Item 1

5. This is the body of question 3

- (a) Item 2
- (b) Item 5
- (c) Item 1
- (d) Item 4
- (e) Item 3

6. This is the body of question 4

- (a) Item 2
- (b) Item 1
- (c) Item 3
- (d) Item 5
- (e) Item 4

7. This is the body of question 10

- (a) Item 1
- (b) Item 4
- (c) Item 2
- (d) Item 3
- (e) Item 5

8. This is the body of question 8

- (a) Item 3
- (b) Item 4
- (c) Item 5
- (d) Item 2
- (e) Item 1

9. This is the body of question 5

- (a) Item 2
- (b) Item 3
- (c) Item 4
- (d) Item 1
- (e) Item 5

10. This is the body of question 7

- (a) Item 4
- (b) Item 2
- (c) Item 1
- (d) Item 5
- (e) Item 3

Q	MASTER	CODE01	CODE02	CODE03	CODE04
1	A	B	E	E	C
2	A	D	B	E	A
3	A	E	A	D	C
4	A	D	E	B	B
5	A	B	E	A	D
6	A	C	D	B	E
7	A	C	E	D	C
8	A	B	A	C	E
9	A	D	C	B	C
10	A	C	E	E	A



Answer Counts

V	A	B	C	D	E
1	0	3	3	3	1
2	2	1	1	1	5
3	1	3	1	2	3
4	2	1	4	1	2