

Exam

1. Change papers. Your partner will choose a question / prompt. Circle the letter and write down your answers on your own paper.

- 1. A. What is a LAN? B. Has the ethernet been standardized?
- C. What is P2P? D. How is an unstructured P2P network is formed?

Answer _____

- 2. A. What kind of content is shared through a P2P? B. What does ZigBee mean?
- C. What kind of radio does ZigBee mean? D. Where are wireless mesh networks?

Answer _____

- 3. A. Are mesh networks reliable? B. Describe the three elements of a packet?

Answer _____

- 4. A. Talk about simulated annealing. B. As was the case in AS, what is global updating intended for?

Answer _____

5. Explain the following key words to another classmate.

- proliferation _____
- incompatible _____
- switched _____
- leased Ethernet _____

6. What issues did you know a lot about?

7. What issues did you not know a lot about? Tell another student about this.

8. Discuss two of your own opinions about any of the topics that you have studied so far.

9. What are two questions that you might like to ask a professor on any of these topics?

 _____?

10. Which of the topics that you have studied were the most interesting? Why?

Evaluation	Excellent - 5	Good - 5	Average - 3	Poor -2	Insufficient - 1	
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Review I: Mechanical Engineering

Reviews

I. Tell another classmate about the items below.

1. What is fluid mechanics a subdiscipline of?
2. Describe the range of applications for fluid dynamics.
3. What is the study of rheology all about?
4. What kind of fields does rheology unite?
5. What is mechatronics centered on?
6. What is mechatronics alternatively referred to?
7. In regard to control theory, what does it deal with?
8. What are the advantages of closed-loop controllers.
9. What does biomechatronics contain?
10. What are most pneumatic devices are designed for?
11. Name some types of pneumatic actuators.
12. What do you know about the automatic identification systems?
13. What is AIS is used for?
14. Discuss how the position and timing information is derived?

II. Explain the following key words to another classmate.

- | | | | |
|--------------|-----------|-------------|---------------------|
| 15. off grid | circulate | maximising | cathodic production |
| 16. radiates | turbines | ventilation | perforated |

III. What issues did you know a lot about? Tell another student about this.

17. _____
18. _____
19. _____
20. _____

IV. What issues did you not know a lot about? Tell another student about this.

21. _____
22. _____
23. _____

V. Discuss four of your own opinions about any of the topics that you have studied so far. Tell another student about these.

24. _____
25. _____
26. _____
27. _____

Evaluation	Excellent - 5	Good - 5	Average - 3	Poor -2	Insufficient - 1	
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Review I: Mechanical Engineering

Exam

1. Change papers. Your partner will choose a question / prompt. Circle the letter and write down your answers on your own paper.

1. A. What is fluid mechanics a subdiscipline of? B. Describe the range of applications for fluid dynamics.
C. What kind of fields does rheology unite? D. What is the study of rheology all about?

Answer _____

2. A. What is mechatronics centered on? B. What is mechatronics alternatively referred to?
C. What are the advantages of closed-loop controllers. D. In regard to control theory, what does it deal with?

Answer _____

3. A. What does biomechatronics contain? B. What are most pneumatic devices are designed for?

4. A. Name some types of pneumatic actuators.
B. What do you know about the automatic identification systems?

5. Explain the following key words to another classmate.

ventilation _____

perforated _____

radiates _____

6. What issues did you know a lot about?

7. What issues did you not know a lot about? Tell another student about this.

8. Discuss two of your own opinions about any of the topics that you have studied so far.

9. What are two questions that you might like to ask a professor on any of these topics?

_____?

_____?

10. Which of the topics that you have studied were the most interesting? Why?

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Review I: Civil Engineering

Reviews

I. Tell another classmate about the items below.

1. What is meant by a structural analysis?
2. What kind of data needs to be inputted for a structural analysis?
3. How is this done in relation to materials?
4. Can you explain to me what are finite element methods?
5. How then does one establish an elements' stiffness or flexibility relation?
6. So, let us talk about seismic retrofitting Do you know anything about it?
7. What do you know about dampers?
8. What is a saddle dam, a overflow dam and a dry dam used for?
9. What is the difference between an embankment dam and a rock-filled dam?
10. What are some considerations about building a dam?
11. What are some problems that result from dams?
12. What is a stressed ribbon bridge?
13. How are suspended - deck suspension and self-anchored suspension bridges different from each other?
14. Tell me about the two types of basic types of reservoirs?
15. Describe an "Attenuation" reservoir.

II. Explain the following key words to another classmate.

III. What issues did you know a lot about? Tell another student about this.

20. _____
21. _____
22. _____

IV. What issues did you not know a lot about? Tell another student about this.

23. _____
24. _____
25. _____

V. Discuss four of your own opinions about any of the topics that you have studied so far. Tell another student about these.

26. _____

Evaluation	Excellent - 5	Good - 5	Average - 3	Poor -2	Insufficient - 1	
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Exam

1. Change papers. Your partner will choose a question / prompt. Circle the letter and write down your answers on your own paper.

1. A. What is meant by a structural analysis? B. How is this done in relation to materials?
 Answer _____

2. A. What kind of data needs to be inputted for a C. What are finite element methods?
 B. Do you know anything about about seismic retrofitting?
 D. What do you know about dampers?
 Answer _____

3. A. What is a saddle dam, a overflow dam and a dry dam used for? B. What are some considerations about building a dam?

4. A. What is the difference between an embankment dam and a rock-filled dam? B. What are some considerations about building a dam?
 C. What are some problems that result from dams?

5. A. What is a stressed ribbon bridge? B. Tell me about the two types of basic types of reservoirs?
 C. Describe an "Attenuation" reservoir.

6. Explain the following key words to another classmate.

- Flexibility _____
 Elasticity _____
 Rigid _____

7. Explain the following key words to another classmate.

- retrofitting _____
 ductile _____
 abutments _____
 granular _____

8. Discuss two of your own opinions about any of the topics that you have studied so far.

9. What are two questions that you might like to ask a professor on any of these topics?
 _____?
 _____?

10. Which of the topics that you have studied were the most interesting? Why?

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Review I: Electrical Engineering

Reviews

1. What do you know about electrical resistance?
2. What is the SI unit of electrical resistance?
3. Discuss electrostatics.
4. What is the triboelectric effect?
5. Describe electrical networks.
6. Name and describe the six electrical laws.
7. What is an inductor?
8. What are digital circuits?
9. Describe and give some background on digital structures.
10. What is (RSFQ) and the development of circuit technology?
11. Tell me something about transformers.
12. Discuss the sizes of transformers.
13. What are some basic principles of transformers?

II. Explain the following key words to another classmate.

16. electrical conductance _____
resistance _____
17. ohms _____
electromagnetism _____
18. polarity _____
inductors _____
19. capacitors _____
superconductivity _____

III. What issues did you know a lot about? Tell another student about this.

20. _____
21. _____
22. _____

IV. What issues did you not know a lot about? Tell another student about this.

23. _____
24. _____
25. _____

V. Discuss four of your own opinions about any of the topics that you have studied so far. Tell another student about these.

26. _____

27. _____

28. _____

29. _____

Evaluation	Excellent - 5	Good - 5	Average - 3	Poor -2	Insufficient - 1	
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Exam

1. Change papers. Your partner will choose a question / prompt. Circle the letter and write down your answers on your own paper.

1. A. What do you know about electrical resistance? B. What is the SI unit of electrical resistance?

Answer _____

2. A. Discuss electrostatics. B. What is the triboelectric effect?

Answer _____

3. A. Describe electrical networks. B. Name and describe the six electrical laws.

4. A. What is an inductor? B. What are digital circuits?

5. A. Describe and give some background on digital structures. B. What is (RSFQ) and the development of circuit technology?

6. electrical conductance

resistance

electromagnetism

7. polarity

inductors

capacitors

8. Discuss two of your own opinions about any of the topics that you have studied so far.

9. What are two questions that you might like to ask a professor on any of these topics?

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