

Review 2

Reviews

I.. Tell another classmate about the items below.

1. What is absorption?
2. What are the differences between dissociation and partial pressure?
3. Talk about the background to analytic chemistry
4. What are what are the types of analysis techniques that conform with various types of energy?
5. Discuss some of the trends in analytic chemistry.
6. Give some background about the issue of chemical catalysis.
7. Describe the reactions to a acid catalysis.
8. What is an acid catalysis is mainly used for?
9. How does a fuel cell work?
10. Discuss the more important points to chemical kinetics.
11. What are some factors that influence the rate of a reaction?
12. Tell me about the concept of free energy.
13. What do you know about chemical reactions and reaction types?
14. Can you tell me anything important about thermochemistry?
15. How about chemical equilibrium?

II. Explain the following key words to another classmate.

16. qualitative quantitative spectroscopic electrochemical robustness

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. _____

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 absorption? Give a definition. B. Talk about dissociation and partial pressure

Answer _____

2. A. What are the types of analysis techniques that conform with various types of energy?

B. Discuss some of the trends in analytic chemistry.

Answer _____

3. A. Give some background about the issue of chemical catalysis.

B. Describe the reactions to a acid catalysis.

Answer _____

4. A. What is an acid catalysis is mainly used for? B. How does a fuel cell work?

Answer _____

5. A. Discuss the more important points to chemical kinetics. B. Tell me about the concept of free energy.

Answer _____

6. A. What do you know about chemical reactions and reaction types?

B. Can you tell me anything important about thermochemistry?

C. How about chemical equilibrium?

Answer _____

7. What issues did you know a lot about?

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

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

10. 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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|------------|---------------|----------|-------------|---------|------------------|--|
| Evaluation | Excellent - 5 | Good - 5 | Average - 3 | Poor -2 | Insufficient - 1 | |
|------------|---------------|----------|-------------|---------|------------------|--|

Review: Network Engineering

Reviews

I.. Tell another classmate about the items below.

1. What is software engineering?
2. Can you tell me about the software characteristics that software engineers deal with?
3. What do you know about the software developmental process?
4. What is the nature of software engineering?
5. What does computer architecture refer to?
6. How is computer performance often described?
7. What does latency and throughout mean?
8. What exactly is an embedded operating system?
9. What then is eCos all about?
10. What do you know about embedded Linux and LynxOS?
11. What do you know about cryptography?
12. What is the difference between symmetric-key cryptography and public-key cryptography?
13. Please tell me something about artificial intelligence.
14. How is pattern recognition and game theory a part of artificial intelligence?
15. Explain data mining.

II. Try to remember three key words from any of the readings and explain them.

16. A. _____
- B. _____
- C. _____

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. _____
- _____

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 software engineering? B. What do you know about the software developmental process?

Answer _____

- 2. A. Can you tell me about the software characteristics that software engineers deal with?
B. What is the nature of software engineering?

Answer _____

- 3. A. What does computer architecture refer to? B. What does latency and throughput mean?

Answer _____

- 4. A. What is an embedded operating system and how is different from eCos?
B. What do you know about embedded Linux and LynxOS?

Answer _____

- 5. A. What is the difference between symmetric-key cryptography and public-key cryptography?
B. Please tell me something about artificial intelligence.
C. How is pattern recognition and game theory a part of artificial intelligence?
D. Explain data mining.

Answer _____

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

Review: Mechanical Engineering

Reviews

I. Tell another classmate about the items below.

1. What is nanotechnology?
2. Describe the uses of nanotechnology?
3. What are some tools and techniques of nanotechnology?
4. What do you know about drafting?
5. How is CAD used?
6. Discuss some important points about pipes.
7. What do you know about nipples?
8. Can you explain induction sealing?
9. Do you remember anything about sealants and compression fittings?
10. What are some key points about structural failure analysis?
11. What is deformation?

II. Explain the following key words to another classmate.

12. hermetically
13. foil
14. induction
15. polymer
16. insolubility
17. compressive

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

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. _____

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 nanotechnology? B. What are some tools and techniques of nanotechnology?

Answer _____

2. A. What do you know about drafting? B. How is CAD used?
Answer _____

3. A. Discuss some important points about pipes. B. What do you know about nipples?
Answer _____

4. A. Can you explain induction sealing?
B. Do you remember anything about sealants and compression fittings?
Answer _____

5. A. What are some key points about structural failure analysis?
B. What is deformation?
Answer _____

5. Explain at least two of the following key words to another classmate.
hermetically _____
foil _____
induction _____

6. Explain at least two of the following key words to another classmate.
polymer _____
insolubility _____
compressive _____

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 | |
|------------|---------------|----------|-------------|---------|------------------|--|

Reviews

I.. Tell another classmate about the items below.

- 1. Discuss some background information to surveying.
- 2. How does one survey?
- 3. Please discuss the background on fire protection engineering.
- 4. What are the components to fire protection?
- 5. Please give some background information on geotechnical engineering.
- 6. What should civil engineers know about soil mechanics?
- 7. What are three important ideas about foundations?
- 8. What are some key points to transport engineering?
- 9. What should one know about pavement engineering?
- 10. Tell me about the development of environmental engineering?
- 11. In the assessment of environmental assessment and water supply and treatment, what do engineers do?
- 12. How are developing nations trying to treat waste water?
- 13. In developed countries, what are substantial resources being applied to in regard to waste water?

II. Explain two of the following key words to another classmate.

- 14. permeability shear
- 15. permafrost estimation
- 16. sophisticated ramp
- 17. interface residential

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

- 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. _____
- _____

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. How does one survey? B. Discuss some background information to surveying.

Answer _____

3. A. What are the components to fire protection? B. Please discuss the background on fire protection engineering.

Answer _____

4. A. Please give some background information on geotechnical engineering.

- B. What are three important ideas about foundations?

Answer _____

5. A. What are some key points to transport engineering? B. What should one know about pavement engineering?

Answer _____

6. A. Tell me about the development of environmental engineering?

- B. In the assessment of environmental assessment and water supply and treatment, what do engineers do?

Answer _____

7. A. How are developing nations trying to treat waste water?

- B. Explain four of the following key words to another classmate.

permeability shear estimation sophisticated ramp interface residential

Answer _____

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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| Evaluation | Excellent - 5 | Good - 5 | Average - 3 | Poor -2 | Insufficient - 1 | |
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Reviews

1. What do you know about electrical resistance?
2. What are the two kinds of electrical signals?
3. Discuss some important points relating to voltage.
4. What is the "Hydraulic analogy" relating to voltage?
5. Tell me about analog and digital circuits.
6. What are logic gates?
7. Is there anything important about the topic of microelectronics?
8. What is photolithography?
9. What should an engineering student know about semiconductors?
10. Give me some background on signal processing.
11. What exactly is signal classification?
12. So, what then is statistical signal processing?
13. Do you have an example of statistical signal processing?

II. Explain the following key words to another classmate. You must have at least two correct.

16. amplification compression modulation
17. demodulation deterministic components stochastic components.

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

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. _____

Exam

I. 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 are the two kinds of electrical signals?
 Answer _____

2. A. What is the "Hydraulic analogy" relating to voltage? B. Discuss some important points relating to voltage.
 Answer _____

3. A. Tell me about analog and digital circuits. B. What are logic gates?
 Answer _____

5. A. What exactly is signal classification? B. What is statistical signal processing?
 Answer _____

6. Do you have an example of statistical signal processing?
 Answer _____

II. Explain three following key words to another classmate. You must have at least two correct.

7. amplification compression modulation
 demodulation deterministic components stochastic components.

A. _____
 B. _____
 C. _____

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