Engineering Fundamentals An Introduction to Engineering 5th edition Saeed Moaveni Test Bank

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1. In high school most learning took place inside the classroom whereas in college most of the learning will take place outside the classroom.

a. True

b. False

Answer: b

2. How many hours are there in a week?

a. 158

b. 168

c. 178

d. 148

Answer: b

3. How many hours per week do you spend sleeping? _____

4. List at least five of your daily activities and the time you spend for it.

i. _____ _____

ii. _____ _____

iii. _____ _____

iv. _____ _____

v. _____ _____

5. How many credits are required for a B.S. degree in engineering in most universities?

_____

Answer: 128 (most schools)

6. How many credits, on average, are required per semester to graduate with a B.S. in engineering in four years?

_____

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Answer: 16 (most schools)

7. How many credits are you taking this semester? _____

8. How many hours should you spend studying outside of class for each hour spent in an engineering class?

_____

Answer: 3 (for most engineering courses)

9. It is not a good idea to take notes on loose papers because you may displace or lose them.

a. True

b. False

Answer: a

10. A good way to learn something is to explain ideas and concepts in your own words to others in a group.

a. True

b. False

Answer: a

11. It is a good idea to attend class regularly, because your professor may offer additional explanations and discussion of some material in class that may not be well presented in your textbook.

a. True

b. False

Answer: a

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12. It is a good idea to read the material that your professor is planning to cover in class ahead of time. It is also important to go over the material that was discussed in class again later the same day after the lecture was given.

a. True

b. False

Answer: a

13. During a typical four-year engineering program, in which year will you take the calculus I class:

a. Year 2

b. Year 4

c. Year 1

d. Year 3

Answers: c

14. What does ASCE stand for?

a. American Society of Civil Engineers

b. American Society of Chemical Engineers

c. Association of Service Coordinating Engineers

d. All-State Corps of Engineers

Answer: a

15. What does SAE stand for?

a. Society of Agricultural Engineers

b. Society of Automotive Engineers

c. Society of Aerospace Engineers

d. Society of Aeronautical Engineers

Answer: b

16. What does ASME stand for?

a. American Society of Manufacturing Engineers

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b. American Society of Metallurgical Engineers

c. American Society of Mechanical Engineers

d. American Society of Marine Engineers

Answer: c

17. What does IEEE stand for?

a. Institute for Electrical and Electronics Engineers

b. Institute of Electrical and Electronics Engineers

c. International Electrical and Electronics Engineers

d. Industrial Electricians and Electrical Engineers

Answer: b

18. What does SME stand for?

a. Society of Manufacturing Engineers

b. Society of Mechanical Engineers

c. Society of Materials Engineers

d. Society of Metallurgical Engineers

Answer: a

19. Volunteering is a good way to feel connected to your community. Volunteering could also help develop communication, management, or supervisory skills that you may not develop by just attending school.

a. True

b. False

Answer: a

20. Engineering organizations are only for practicing engineers and not for engineering students

a. True

b. False

Answer: b

21. The best time to discuss your graduation plan with your advisor is during the year in which you plan to graduate.

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a. True

b. False

Answer: b

22. It is a good practice to have your questions formulated and well thought out before you go to see your professor.

a. True

b. False

Answer: a

23. A good way to learn something is to form discussion groups where you explain ideas and concepts in your own words to others in the group.

a. True

b. False

Answer: a

24. Only a few people need to participate in a study group

a. True

b. False

Answer: b

25. It is a good idea to wait until the night before the exam to study

a. True

b. False

Answer: b

26. It is a good idea to study for exams on a daily basis

a. True

b. False

Answer: a

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27. Becoming acquainted with junior and senior engineering students can provide you with valuable information about their engineering education experience and campus social issues.

a. True

b. False

Answer: a

28. It is important to join engineering organizations because they offer benefits such as:

a. They conduct conferences and meetings to share new ideas and findings in research and development.

b. They publish technical journals, books, reports, and magazines to help engineers in particular specialties keep up-to-date.

c. They offer short courses on current technical developments to keep practicing engineers abreast of the new developments in their respective fields.

d. They provide a networking mechanism through which you get to know people from different companies and institutions.

e. all of the above

Answer: e

29. Volunteering is a way to develop additional important skills such as communication, management, or supervisory skills that may not be taught in your classes.

a. True

b. False

Answer: a

30. It is also a good idea to sit down with your advisor and plan your graduation. List all of the classes that you need to take in order to obtain your degree in four or five years.

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a. True

b. False

Answer: a

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