

QUESTIONS

ANSWERS

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2. ANSWERS

2.1. The course objectives are to provide students with a solid foundation in the field of computer science and to prepare them for the challenges of the industry.

2.2. The objectives of this course are to provide students with a solid foundation in the field of computer science and to prepare them for the challenges of the industry. The course will cover the following topics: (1) Introduction to Computer Science, (2) Data Structures and Algorithms, (3) Operating Systems, (4) Computer Architecture, (5) Computer Networks, (6) Database Systems, (7) Artificial Intelligence, (8) Computer Security, (9) Computer Graphics, and (10) Computer Systems.

2.3. The course objectives are to provide students with a solid foundation in the field of computer science and to prepare them for the challenges of the industry.

2.4. The course objectives are to provide students with a solid foundation in the field of computer science and to prepare them for the challenges of the industry.

2.5. The course objectives are to provide students with a solid foundation in the field of computer science and to prepare them for the challenges of the industry.

2.6. The course objectives are to provide students with a solid foundation in the field of computer science and to prepare them for the challenges of the industry.

2.7. The course objectives are to provide students with a solid foundation in the field of computer science and to prepare them for the challenges of the industry.

14-10 Experimental Methods



FIGURE 14-10

- 1. The force applied to the specimen is measured by the load cell.
- 2. The displacement of the specimen is measured by the load cell.
- 3. The load cell is used to measure the force applied to the specimen.
- 4. The load cell is used to measure the displacement of the specimen.
- 5. The load cell is used to measure the force applied to the specimen.
- 6. The load cell is used to measure the displacement of the specimen.

1.01 Eye Section (Microscopic)

11. CORNEA
 (1) REFRACTS LIGHT
 (2) PROTECTS EYE
 (3) TRANSPARENT



12. LENS
 (1) REFRACTS LIGHT
 (2) FOCUSES LIGHT
 (3) TRANSPARENT



13. RETINA
 (1) CAPTURES LIGHT
 (2) CONVERTS LIGHT
 (3) SENDS SIGNALS

05 10 00 - PAINTS

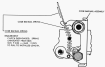


- 1. PAINT
- 2. INTERIOR SURFACE
- 3. EXTERIOR SURFACE
- 4. PAINT

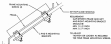


- 1. PAINT
- 2. INTERIOR SURFACE
- 3. EXTERIOR SURFACE
- 4. PAINT

5.21. TEST FOR EXHAUSTION (CONTINUED)



10.1.1 Bipartite Graphs and Matchings



QUESTION 10: Identify the correctly labeled

10. Which of the following is the correct

label for the component of the engine shown in the diagram?

10. Which of the following is the correct

label for the component of the engine shown in the diagram?



QUESTION 11: Identify the

11. Which of the following is the correct

label for the component of the engine shown in the diagram?

11. Which of the following is the correct

label for the component of the engine shown in the diagram?

label for the component of the engine shown in the diagram?

11. Which of the following is the correct



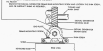
FIG. 2. SECTIONAL FRONT VIEW



FIG. 2. SECTIONAL FRONT VIEW. THE DRAWING IS A SECTIONAL FRONT VIEW OF THE MECHANICAL ASSEMBLY. THE CENTRAL SECTION IS THE MAIN PART OF THE ASSEMBLY. THE SIDE SECTIONS ARE THE PARTS THAT SURROUND THE CENTRAL SECTION. THE CENTRAL HOLE IS THE MAIN HOLE OF THE ASSEMBLY. THE SIDE HOLES ARE THE HOLES THAT ARE LOCATED ON THE SIDE SECTIONS. THE HOUSING IS THE PART THAT SURROUNDS THE CENTRAL SECTION AND SIDE SECTIONS.

FIG. 3. SECTIONAL FRONT VIEW

FIG. 3. SECTIONAL FRONT VIEW. THIS DRAWING IS A SECTIONAL FRONT VIEW OF THE MECHANICAL ASSEMBLY. THE CENTRAL SECTION IS THE MAIN PART OF THE ASSEMBLY. THE SIDE SECTIONS ARE THE PARTS THAT SURROUND THE CENTRAL SECTION. THE CENTRAL HOLE IS THE MAIN HOLE OF THE ASSEMBLY. THE SIDE HOLES ARE THE HOLES THAT ARE LOCATED ON THE SIDE SECTIONS. THE HOUSING IS THE PART THAT SURROUNDS THE CENTRAL SECTION AND SIDE SECTIONS.



12. INSTALLATION

12.1. Safety Considerations

WARNING:

1. WARNING:

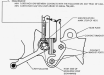
DO NOT REMOVE OR MODIFY ANY COMPONENTS OF THE SYSTEM UNLESS YOU ARE A QUALIFIED ELECTRICIAN.

NOTE:

FOR INFORMATION ONLY, REFER TO THE INSTALLATION MANUAL (10-100).

2. WARNING:

DO NOT OPERATE THE SYSTEM UNLESS YOU HAVE BEEN TRAINED AND CERTIFIED IN THE USE OF THE SYSTEM. ALWAYS WEAR YOUR SAFETY GEAR.



NOTES:

- 1. ALWAYS WEAR YOUR SAFETY GEAR WHEN OPERATING THE SYSTEM.
- 2. ALWAYS WEAR YOUR SAFETY GEAR WHEN OPERATING THE SYSTEM.
- 3. ALWAYS WEAR YOUR SAFETY GEAR WHEN OPERATING THE SYSTEM.

FOR MORE INFORMATION, CONTACT THE MANUFACTURER'S SUPPORT DEPARTMENT.

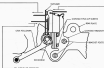
5.02 Heavy-Duty Machine Mount

(A) INSTALLATION

- REQUIREMENTS**
 1. Machine Mount
 2. 1/2" Dia. Bolt
 3. 1/2" Dia. Nut
 4. 1/2" Dia. Washer
 5. 1/2" Dia. Lock Washer
- TOOLS**
 1. Wrench

(B) DISASSEMBLY

- REQUIREMENTS**
 1. Machine Mount
 2. 1/2" Dia. Bolt
 3. 1/2" Dia. Nut
 4. 1/2" Dia. Washer
 5. 1/2" Dia. Lock Washer



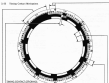
(C) INSTALLATION

- REQUIREMENTS**
 1. Machine Mount
 2. 1/2" Dia. Bolt
 3. 1/2" Dia. Nut
 4. 1/2" Dia. Washer
 5. 1/2" Dia. Lock Washer

- TOOLS**
 1. Wrench
 2. Machine Mount
 3. 1/2" Dia. Bolt
 4. 1/2" Dia. Nut
 5. 1/2" Dia. Washer
 6. 1/2" Dia. Lock Washer

NOTE: CHECK MACHINE MOUNT IS CORRECTLY MOUNTED TO THE MACHINE.

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ENR 1. 2017/03/01 09:10:10

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2. ENR 1. 2017/03/01 09:10:10
3. ENR 1. 2017/03/01 09:10:10
4. ENR 1. 2017/03/01 09:10:10
5. ENR 1. 2017/03/01 09:10:10
6. ENR 1. 2017/03/01 09:10:10
7. ENR 1. 2017/03/01 09:10:10
8. ENR 1. 2017/03/01 09:10:10

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1.10 CASE STUDY: RESEARCH

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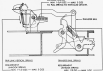
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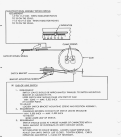
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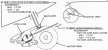
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2.01. Technical Drawing: Technical drawing

QUESTION: (10 marks)
 A technical drawing of a mechanical part is shown below. The drawing is a front view of a part that is symmetrical about a vertical plane. The part has a cylindrical top section with a diameter of 40 mm and a height of 20 mm. The bottom section is a rectangular block with a width of 60 mm and a height of 40 mm. The part has a central vertical slot that is 10 mm wide and 40 mm deep. The drawing is to be drawn in first angle projection on a grid.

ANSWER:
 The drawing shows a front view of a mechanical part. The part is symmetrical about a vertical plane. The top section is a cylinder with a diameter of 40 mm and a height of 20 mm. The bottom section is a rectangular block with a width of 60 mm and a height of 40 mm. The part has a central vertical slot that is 10 mm wide and 40 mm deep. The drawing is to be drawn in first angle projection on a grid.



22-00-00.00 MECHANICAL ELECTRICAL PLUMBING

22-00-00.01

22-00-00.01.01

INSTALLATION OF MECHANICAL ELECTRICAL PLUMBING SYSTEMS, INCLUDING ALL MATERIALS, LABOR AND SUPPLIES, SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

22-00-00.01.01.01

MECHANICAL ELECTRICAL PLUMBING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:



22-00-00.01.01.01.01

- 1. MECHANICAL
- 2. ELECTRICAL
- 3. PLUMBING

22-00-00.01.01.01.01.01

1.2.1. Control System/Control Selection

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NOTE: FUNCTIONAL BLOCKS FOR OPERATIONAL MODES SHOULD BE IDENTIFIED AND DESCRIBED AS FOLLOWS:

NOTE: THE OPERATIONAL MODES SHOULD BE IDENTIFIED AND DESCRIBED AS FOLLOWS:



1.2.1.2. CONTROL SYSTEM/CONTROL SELECTION

CONTROL SYSTEM

- CONTROL SYSTEM
- CONTROL SYSTEM
- CONTROL SYSTEM
- CONTROL SYSTEM
- CONTROL SYSTEM
- CONTROL SYSTEM



5.01. Cells: Biology (comparative and contrast)

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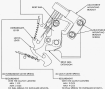
199. Which of the following is/are NOT characteristic of prokaryotes?
 (Select all that apply.)

6. Select all that apply.

Answers:

- All the prokaryotes are unicellular.
- All the prokaryotes are eukaryotes.
- All the prokaryotes are multicellular.
- All the prokaryotes are autotrophic.
- All the prokaryotes are heterotrophic.
- All the prokaryotes are prokaryotes.

Answers to the multiple-choice question:



1.01 - THE FOLLOWING ITEMS SHALL BE INCLUDED:

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ITEM 1 - FURNISHING THE CONTRACTOR WITH THE CONTRACT NUMBER AND THE PROJECT NO. AND PROVIDING THE SERVICE.

ITEM 2 - PROVIDING THE SERVICE OF CONSULTING ENGINEER AND DESIGNER FOR THE PROJECT.

1.02 - THE FOLLOWING ITEMS SHALL BE INCLUDED:

1.02.01 -

1.02.01.01 - CONSULTING ENGINEER AND DESIGNER:

- a. DESIGN AND CONSTRUCTION OF THE PROJECT.
- b. DESIGN AND CONSTRUCTION OF THE PROJECT.
- c. DESIGN AND CONSTRUCTION OF THE PROJECT.
- d. DESIGN AND CONSTRUCTION OF THE PROJECT.

1.02.01.02 - CONSULTING ENGINEER AND DESIGNER SHALL PROVIDE THE SERVICE OF CONSULTING ENGINEER AND DESIGNER FOR THE PROJECT.

- a. CONSULTING ENGINEER AND DESIGNER.
- b. CONSULTING ENGINEER AND DESIGNER SHALL PROVIDE THE SERVICE OF CONSULTING ENGINEER AND DESIGNER FOR THE PROJECT.

1.02.01.03 - DESIGN AND CONSTRUCTION OF THE PROJECT.

1.02.01.04 -

- a. DESIGN AND CONSTRUCTION OF THE PROJECT.
- b. DESIGN AND CONSTRUCTION OF THE PROJECT.

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