



Read the following text, and then answer the questions.

The major objective of plant layout is to develop a productive system that meets the requirement of capacity and quality in the most economical fashion. Plant layout establishes the spatial configuration for the physical facilities. Layout must integrate machines, support services, work places manpower, logistical subsystems, and storage area so that feasible operating schedules can be formulated. Layout engineers attempt to utilize facility space, equipment, and manpower in the most orderly and efficient fashion.

Plant layout is necessary every time future building requirements are planned. However, it is more often encounters as a relayout of an existing facility. Every organization encountered a layout or relayout problem from time to time. This is true for warehouses, distribution centers, department stores, and hospitals as well as manufacturing installation.

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1- Productive system in first line means.....

- | | |
|-------------------------|----------------------|
| 1. manufacturing system | 2. efficiency system |
| 3. support services | 4. process |

2-When we like to meet the spatial configuration for the physical facilities we must establish...

- | | |
|--------------------------|-------------------------|
| 1. Economical fashion | 2. Plant layout |
| 3. logistical subsystems | 4. work places manpower |

3-Plant layout mostly uses ...

- | | |
|----------------------------------|------------------------------------------|
| 1. For new building | 2. as a relayout of an existing facility |
| 3. for the building requirements | 4. for the most economical fashion |



4-Layout and relayout problem is often occur for ...

- | | |
|-------------------------|----------------------|
| 1. distribution centers | 2. department stores |
| 3. hospitals | 4. all above |

5-Layout engineers attempt to utilize in the most orderly and efficient fashion

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|---------------------------------------------|------------------------|
| 1. facility space, equipment, and manpower. | 2. Manufacturing tools |
| 3. feasible operating schedules | 4. capacity |

Read the following text and then answer the questions.

Another system dichotomy is the distinction of static and dynamic systems. A/an.....(4)..... system is on having structure without activity, as exemplified by a bridge. A(5)... system combines structural components with activity. An example is a school,....(6)... building, students, teachers, books, and curricula.

For the centuries people have viewed the universe of phenomena s unchanging. A mental habit of(7) ... of a process-oriented description for the static description of the word is one of the major characteristics ,....(8)... modern science from earlier thinking.

6-What is the most appropriate word for blank 4?

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|---------------|-----------|------------|--------------|
| 1. separating | 2. static | 3. dynamic | 4. combining |
|---------------|-----------|------------|--------------|

7-What is the most appropriate word for blank 5?

- | | | | |
|-----------|-------------|------------|---------|
| 1. flight | 2. contains | 3. dynamic | 4. unit |
|-----------|-------------|------------|---------|

8-What is the most appropriate word for blank 6?

- | | | | |
|---------------|--------------|------------|---------------|
| 1. Separating | 2. combining | 3. dealing | 4. recognized |
|---------------|--------------|------------|---------------|

9-What is the most appropriate word blank 7?

- | | | | |
|----------------|-------------|------------|------------|
| 1. constructed | 2. contains | 3. include | 4. dealing |
|----------------|-------------|------------|------------|



10-What is the most appropriate word blank 8?

1. Separating 2. recognize 3. process 4. combining

Choose 1,2,3,or 4 which best completes the sentence.

11-An individual and his/her task are the basic buildingof an organization.

1. Innovations 2. Interactions 3. Blocks 4. Competence

12-The structure of organizations is central to the well-being of both society and

1. Efforts 2. Problems 3. Individuals 4. Inventions

13-A preliminary step in any plant layout is the determination of what is to be

1. Amended 2. Corresponded 3. Reciprocated 4. Laid out

14-The uncertainty of demand gives to the need for capacity management.

1. Rise 2. Capacity 3. Manpower 4. Inventory

15-The optimization methods are for only the smaller problems.

1. Shipped 2. Available 3. Damaged 4. Manufactured

16-A closed system is one that does not significantly with its environment.

1. Intend 2. Recognize 3. Define 4. Interact

17-Information is the lifeblood ofmanufacturing system

1. A grinding 2. A shearing 3. A bending 4. A flexible

18-Information systems may be classified in various ways.

1. Producing 2. Maintaining 3. Processing 4. Computing

Choose the Persian equivalents of the following terms and expressions

19-Implementation

1. در دسترس بودن 2. بکارگیری 3. درست کردن 4. بازاریابی

20-Production rate

1. نرخ بازده 2. نرخ تولید 3. نرخ ورودی 4. نرخ مصرفی

21-Wage administration

1. مدیریت دستمزد 2. برنامه ریزی کار 3. اجرای کار 4. برنامه ریزی اداری



زمان آزمون (دقیقه): تستی: ۴۰ تشریحی: ۰

تعداد سوالات: تستی: ۳۰ تشریحی: ۰

عنوان درس: زبان تخصصی

رشته تحصیلی/ کد درس: مهندسی صنایع، مهندسی صنایع (چندبخشی) ۱۲۱۲۱۶۲

22- Aisles

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|-------------|-----------|----------------|------------|
| 1. طرح بندی | 2. محورها | 3. پیش بینی ها | 4. راهروها |
|-------------|-----------|----------------|------------|

23- Due date

- | | | | |
|--------------------|----------------|-------------------|-----------------|
| 1. تاریخ انجام کار | 2. تاریخ بررسی | 3. تاریخ شروع کار | 4. تاریخ سررسید |
|--------------------|----------------|-------------------|-----------------|

24- Routing

- | | |
|--------------|---------------------------|
| 1. مسیریابی | 2. ریشه یابی کردن |
| 3. حرکت کردن | 4. یافتن مسیر درست از غلط |

25- Man- machine communication

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|----------------------|-----------------------|-----------------------|--------------------|
| 1. محصول انسان ماشین | 2. فعالیت انسان ماشین | 3. ارتباط انسان ماشین | 4. کار انسان ماشین |
|----------------------|-----------------------|-----------------------|--------------------|

Choose the English equivalents of the following terms and expressions

26- استوانه ای

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|-------------|----------|---------|----------------|
| 1. Cubelike | 2. Batch | 3. Axis | 4. Cylindrical |
|-------------|----------|---------|----------------|

27- تجهیزات پشتیبانی زمینی

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|-----------------------------|-----------------------------|
| 1. Ground support equipment | 2. Support equipment ground |
| 3. Ground equipment support | 4. Support ground equipment |

28- برنامه ریزی خطی کسری

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|----------------------------------|---------------------------|
| 1. Linear programming fractional | 2. Fractional programming |
| 3. Linear fractional programming | 4. programming Fractional |

29- برنامه ریزی تعمیرات پیش گیرانه

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|--------------------------------------|---------------------------------------|
| 1. Pursue the program | 2. Preventive maintenance programming |
| 3. Maintenance Preventive scheduling | 4. Preventive maintenance progress |

30- مدیریت رفتاری

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|------------------------|---------------------------|
| 1. Habitual management | 2. Optimal management |
| 3. Human management | 4. Behavioural management |