



سری سوال : یک ۱

زمان آزمون (دقیقه): تستی : ۶۰ تشریحی : ۰

تعداد سوالات : تستی : ۳۰ تشریحی : ۰

عنوان درس : زبان تخصصی

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

### Fill in the blanks with the appropriate form of the words given

1-An engineering administration must be ..... to the technical needs of the organization

1. response                      2. responsive                      3. responding                      4. responded

2-The engineering drawings ..... all the physical and functional characteristics of the product to be utilized

1. facility                      2. facilitate                      3. facilities                      4. facilitated

3-Linear programming ..... a value system subject to a set of constraints

1. optimizes                      2. optimizing                      3. optimization                      4. optimized

4-General systems theory is concerned with developing a ..... framework for describing general relationships in natural and man-made world

1. systemize                      2. system                      3. systemizing                      4. systematic

5-The ..... of data- processing operations is an important aspect of system design

1. incorporate                      2. incorporated                      3. incorporation                      4. incorporating

6-Other variations of the order point system are the two- bin system, the ..... review system and Kanban

1. visualization                      2. visualized                      3. visualizing                      4. visual

7-Incom tax is ..... on percentage of net income minus exemptions and deductions

1. calculated                      2. calculation                      3. calculates                      4. calculate

- Read the following text and then answer the questions.

It is not difficult task to design and develop simulation models for industrial use..... such models are larger in size, but no more complex in concept, than the ... .. presented in more standard textbooks on simulation.

When building simulation models, .....should bear in mind the alternative approaches available to them and avoid ..... .. conformity to a fixed set of modeling rules. Such ..... .. innovations can be found in the wide variety of applications areas.

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

1. eventually                      2. finally                      3. typically                      4. likely

9-What is the most appropriate word for the second blank

1. models                      2. figures                      3. calculates                      4. comments

10-What is the most appropriate word for the third blank

1. calculators                      2. inventors  
3. commanders                      4. analysts

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11-What is the most appropriate word for the forth blank

1. flexible                      2. accurate                      3. rigid                      4. correct

12-What is the most appropriate word for the fifth blank

1. modeling                      2. calculating                      3. systemizing                      4. assigning

Choose the Persian equivalents of the following terms and expressions

13-Retrieving

1. ذخیره سازی                      2. داده پردازی                      3. داده آمایی                      4. بازبایی

14- derivative

1. بهینه                      2. تابع                      3. محدودیت                      4. مشتق

15-layout

1. چیدمان                      2. تنظیم                      3. نصب                      4. تسهیلات

16-Utilization

1. نمونه سازی                      2. طراحی                      3. الگو برداری                      4. بهره برداری

17-Procurement

1. ستادی                      2. بازاریابی                      3. تدارکات                      4. پشتیبانی

Read the following text and answer the questions.

A definition of management is a creative activity which develops an organization and its people to achieve specific goals". Management and organizations are necessary in each case. The more that goals and objectives are specific, the better. Management is often thought of as having evolved from "scientific management", the oldest concept, through "behavioral management", then "system management", and so on. Scientific is limited to that which is measurable. Measured knowledge is not creative until it is synthesized or built into a coherent whole. It is also has given us many advantages and some disadvantages. Behavioral management bases its knowledge and conclusions on the findings of psychology, physiology and sociology, which turn derive from theories, empirical research and interpretations. System management is involved with system which are organized or a complex whole.

Now choose a, b, c or d which best completes each item.

18-Measured knowledge can be creative if it is .....

1. synthesized                      2. crucial                      3. specific                      4. appreciated

19-Scientific knowledge can be used for .....

1. discernment                      2. judgment                      3. good and evil                      4. dedication

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20- Management and organization are ..... each case.

- |                    |                   |
|--------------------|-------------------|
| 1. independent of  | 2. necessary in   |
| 3. not involved in | 4. not related to |

21- Behavioural management does not base its knowledge on the findings of .....

- |               |                |
|---------------|----------------|
| 1. sociology  | 2. physiology  |
| 3. psychology | 4. individuals |

Choose the English equivalents of the following terms and expressions

22- سلسله مراتب

- |                  |             |              |              |
|------------------|-------------|--------------|--------------|
| 1. configuration | 2. criteria | 3. hierarchy | 4. heuristic |
|------------------|-------------|--------------|--------------|

23- تعمیرات

- |                 |                |                |                |
|-----------------|----------------|----------------|----------------|
| 1. manipulation | 2. maintenance | 3. fabrication | 4. integration |
|-----------------|----------------|----------------|----------------|

24- همپوشانی

- |             |                |              |              |
|-------------|----------------|--------------|--------------|
| 1. pinpoint | 2. overlapping | 3. trade off | 4. interface |
|-------------|----------------|--------------|--------------|

25- انعطاف پذیری

- |               |            |              |                |
|---------------|------------|--------------|----------------|
| 1. segmenting | 2. unitary | 3. arbitrary | 4. flexibility |
|---------------|------------|--------------|----------------|

26- منشوری

- |              |               |                |             |
|--------------|---------------|----------------|-------------|
| 1. prismatic | 2. triangular | 3. cylindrical | 4. cubelike |
|--------------|---------------|----------------|-------------|

- Read the following text and the answer the questions.

In the layout plans, the layout of the site or plant as a whole should be considered and then the details can be planned. The other initial concept of the layout should represent a theoretically ideal plan irrespective to existing conditions and circumstances. Later adjustment to incorporate the practical limitations of building and other factors will be made. Furthermore the layout planners should follow the cycles of layout development and make the phases overlap. They also should plan the process and machinery around the material requirement. Then they can plan the layout around the process and machinery and plan the building around the layout. The experienced layout specialist knows that aids to clear visualization are essential which can help them to gather the facts and analyze. When one phase of the project is developed, it should be approved before going too far in planning next. The final step in layout planning is getting others to buy it. The planners should take time to present the layout to the prospects who will in the end put up the money for it.

27- According to the above text, which sentence is true

1. In the layout plan, first should begin with the site as the whole after that work towards the details
2. In the layout plan, first should begin with the installation
3. In the layout plan, first should begin with presenting the plan to managers
4. In the layout plan, first should plan the practical and from it the ideal.

28- According to the above text, which sentence is false

1. In planning layout the building should be set around the layout
2. For a successful layout planning, the material factor is unimportant
3. In planning the layout, the space, and location of the production processes or machinery are the most important part of the layout plan.
4. In practice, there should be an overlapping from one phase to the next

29- According to the above text, which sentence is true

1. Managers should plan layouts by themselves
2. A clear visualization is a key to the specialist's work
3. The initial concept of the layout should represent a practical plan based on the existing conditions
4. all the above sentences

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30- According the above text, which sentence is true

1. The final step of layout planning is to sell it other companies
2. The final step of layout planning is to sell it to suppliers
3. Having one phase of the project developed, it is advisable to have it approved before going too far in planning the next.
4. Lay out planning should be done in one phase