



تعداد سوالات: تستی: ۳۰ تشریحی: ۰

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

سری سوال: یک ۱

عنوان درس: زبان تخصصی

رشته تحصیلی/کد درس: مهندسی مدیریت پروژه (چندبخشی) ۱۲۱۲۱۶۳

1-Dam design and construction reducing flooding of lower drainage is an important subject of

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|------------------------------|-----------------------------|
| 1. architectural engineering | 2. geotechnical engineering |
| 3. environmental engineering | 4. mechanical engineering |

2-..... is concerned with moving people and goods efficiently and safely.

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|-------------------------------|------------------------------|
| 1. Transportation engineering | 2. Electrical engineering |
| 3. Biomedical engineering | 4. Architectural engineering |

3-Rust is the substance formed when iron compounds corrode in the presence of and

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|------------------------|--------------------------|
| 1. oxygen and hydrogen | 2. oxygen and water |
| 3. hydrogen and water | 4. nitrogen and hydrogen |

4-Which one is related to types of construction?

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|-------------|------------------|---------------|----------------|
| 1. building | 2. heavy/highway | 3. industrial | 4. all choices |
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5-Which one of footings are the most economical shallow foundation types?

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|-----------|-----------------------------------|
| 1. spread | 2. combined |
| 3. mat | 4. none of choices are economical |

6-A cat's eye is a safety device used in construction in the United Kingdom.

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|--------------|--------|---------|--------|
| 1. false eye | 2. toy | 3. road | 4. car |
|--------------|--------|---------|--------|

7-A is a person who secures funding for the project.

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| 1. surveyor | 2. real estate developer |
| 3. contractor | 4. construction manager |

8-Concrete is a composite building material made from the combination ofand a binder such as cement.

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|--------------|---------|---------|----------|
| 1. aggregate | 2. wood | 3. clay | 4. alloy |
|--------------|---------|---------|----------|

9-A is a structure that holds back earth. It stabilizes soil and rock from down slope movement or erosion and provides support for vertical or near-vertical grade changes.

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|-------------------|--------|-----------|----------|
| 1. retaining wall | 2. dam | 3. bridge | 4. track |
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10- Brickwork, like unreinforced concrete, has little, and works by everything being kept in compression.

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|----------------------|---------------------|
| 1. pressure strength | 2. tensile strength |
| 3. efficiency | 4. advantages |

11- What kind of bond is the most common bond used today in the world?

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|-----------------|-----------------|-----------------|-------------------|
| 1. English bond | 2. Flemish bond | 3. Chinese bond | 4. Stretcher bond |
|-----------------|-----------------|-----------------|-------------------|

12- Which one of the following materials is an artificial stone?

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|----------|---------|---------|-----------|
| 1. brick | 2. rock | 3. sand | 4. gravel |
|----------|---------|---------|-----------|

13- Mortar is a mixture of

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|--------------------------|------------------------------|
| 1. gravel, water, cement | 2. sand, water, cement |
| 3. gypsum, cement, sand | 4. quicklime, gypsum, cement |

14- is a material used in masonry to fill the gaps between blocks in construction and bind the blocks together.

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|--------|-----------|-----------|---------|
| 1. mud | 2. mortar | 3. gravel | 4. wood |
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15- Gas tungsten arc welding (GTAW) uses a nonconsumable made of tungsten.

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|--------------|---------|---------|--------|
| 1. electrode | 2. wire | 3. pipe | 4. gas |
|--------------|---------|---------|--------|

16- The common materials of masonry construction are

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|-----------------------------|------------------------|
| 1. granite, limestone, tile | 2. sand, gypsum, wood |
| 3. mortar, paste, cement | 4. gravel, clay, paste |

17- Solid masonry, without reinforcement tends to have very limited applications in modern wall construction.

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|---------|-------------|----------|-----------|
| 1. wood | 2. concrete | 3. steel | 4. hybrid |
|---------|-------------|----------|-----------|

18- The brick veneer wall is connected to the structural walls by

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|---------|---------------|------------|----------|
| 1. wood | 2. brick ties | 3. veneers | 4. studs |
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19- Reinforced concrete called in some countries.

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| 1. prestressed concrete | 2. ferroconcrete |
| 3. poststressed concrete | 4. 1 & 3 |

20- A..... is a structure that transmits loads from a building to the underlying ground.

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|----------|---------------|---------|-----------|
| 1. truss | 2. foundation | 3. beam | 4. girder |
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21- Based on structure and material used, dams are classified as

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|-----------------|--------------------|
| 1. timber dams | 2. embankment dams |
| 3. masonry dams | 4. all choices |

22- Ais a section of dam designed to pass water from the upstream side of a dam to the downstream side.

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|---------|-----------|-------------|----------|
| 1. span | 2. source | 3. spillway | 4. shaft |
|---------|-----------|-------------|----------|

23- Concrete is a mixture of and stone aggregate.

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| 1. portland cement | 2. gravel |
| 3. sand | 4. clay |

24- Which kind of dam is usually temporary and may be demolished or removed when the project is completed?

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| 1. embankment dam | 2. earth dam |
| 3. arch dam | 4. cofferdam |

25- is a subject of the general practice of urban planning.

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|---------------------------|-----------------------------|
| 1. Mechanical engineering | 2. Urban engineering |
| 3. Electrical engineering | 4. Geotechnical engineering |

26- Concrete and steel have and, respectively.

1. high pressure strength - high tensile strength
2. high tensile strength - low tensile strength
3. low pressure strength - low tensile strength
4. high tensile strength - high tensile strength

27- If bricks are put down end-to-end with the long side facing you (stretchers) and then another row on top, the wall thickness is a brick.

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|---------|---------------|--------------|--------------|
| 1. half | 2. one fourth | 3. one third | 4. one fifth |
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28- Prestressing is one technique used to boost the strength of poured.

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| 1. tensile | 2. pressure | 3. torsion | 4. bending |
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29- To supply the electrical energy necessary for arc welding processes, which power supplies can be used?

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| 1. constant current | 2. constant voltage |
| 3. constant resistance | 4. constant current and constant voltage |

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30- is a fabrication process that joints materials, usually metals or thermoplastics, by causing coalescence.

1. welding 2. masonry 3. painting 4. joinery