



1- are used to reinforce concrete.

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| 1. Portland Cements | 2. Rebars |
| 3. Mortars | 4. Cracks |

2- What is the effect of the ridges on the rebar?

1. Increasing tension resistance of the concrete.
2. Increasing the surface area to resist tension forces.
3. Increasing the cross section area of the rebar.
4. Increasing the tension force of the rebar.

3- are in deep foundation types.

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| 1. Strips | 2. Mats | 3. Pipes | 4. Piles |
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4- footings are designed to accommodate eccentric loads.

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| 1. cantilever | 2. strip | 3. continuous | 4. mat |
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5- Deep foundations such as piles and should be considered when the shallow foundations are inadequate.

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| 1. cantilever | 2. caissons | 3. strip | 4. raft |
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6- Some rivers in some months of a year.

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| 1. over | 2. cross | 3. pass | 4. flood |
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7- What kind of dam is designed to be overtaped?

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| 1. Weir | 2. Dry | 3. Dike | 4. wing |
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8- Which of the following answers are precautions of welding?

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| 1. Electric arc, laser and ultrasound | 2. Direct or alternating current (DC or AC) |
| 3. Electric shock and poisonous fumes. | 4. SMAW, GTAW and SAW. |

9- What is called a structure designed to divert all or a portion of the flow of a river from its natural course?

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| 1. diversionary dam | 2. dry dam |
| 3. check dam | 4. overflow dam |



- 10- The term civil engineer refers to an individual who civil engineering.
1. practices 2. particulates 3. perches 4. participates
- 11- Civil engineer is in contrast with engineering.
1. maine 2. electrical 3. geotechnical 4. military
- 12- Dam design and construction reducing flooding of lower drainage areas is an important subject of engineering.
1. urban 2. geotechnical 3. transportation 4. environmental
- 13- Building construction is the process of adding structure to real
1. stability 2. infinity 3. property 4. dignity
- 14- is a series of bricks that are laid in a row.
1. coarse 2. cures 3. course 4. curls
- 15- The modern trend in design is toward integration of previously separated specialties especially among large firms. "Firm" means:
1. engineering 2. building 3. company 4. stiff
- 16- A invests on project.
1. facility manager 2. fund
3. real state developer 4. interior designer
- 17- A saw is used
1. for cutting woods 2. for making concrete
3. for installing the bricks 4. for producing plastics
- 18- Brick is an artificial stone made by forming clay into rectangular blocks which are hardened, either by burning in a kiln or sometimes, in warm and sunny countries, by sun – drying. The word "artificial" means:
1. Naturally occurring 2. Man-made
3. Expose 4. Existence



19- Many old buildings have been damaged by being repointed in modern harder cements, which are not porous and change the water handling profile in an undesired way. This means that:

1. It is better to use modern hard cement in modern buildings.
2. It is better not to use modern hard cement in modern buildings.
3. It is better not to use modern hard cement in old buildings.
4. It is better to use modern hard cement in old buildings.

20- uses for filling the gaps between blocks.

1. Mortar
2. Masonry
3. Bricks
4. Reinforced concrete

21- Which tools are used when corners of the building have to be built to run in the bricks between?

1. tingle plates
2. corner blocks
3. sieves
4. line and pins