

Construction Technology Management 2015 MoE Exit

<https://t.me/ethioezam>

Question 1

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following door type is ideal for toilet?

- ☐ a. Metal doors
- ☐ b. Wooden doors
- ☐ c. Glazed doors
- ☐ d. Plastic doors

,

<https://t.me/ethioezam>

Question 2

Not yet
answered

Marked out of
1.00

🚩 Flag question

The gradual increase in strain which occurs over time when a concrete is subjected to sustained load is called:

- ☐ a. Shrinkage
- ☐ b. Permeability
- ☐ c. Creep
- ☐ d. Durability

<https://t.me/ethioezam>

Question 3

Not yet
answered

Marked out of
1.00

🚩 Flag question

Among the following factor which one is least affect the output of a motor grader?

- ☐ a. Operator helper
- ☐ b. Speed of travel
- ☐ c. Size of the blade
- ☐ d. Size and mechanical condition of the motor grader

<https://t.me/ethioezam>

Question 4

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following compound is found in the cement clinker that has an assisting role in the production of cement by regulating temperature of the clinker?

- ☐ a. C_3S
- ☐ b. C_3A
- ☐ c. C_4AF
- ☐ d. C_2S

https://t.me/ethioezam

Question 5

Not yet
answered

Marked out of
1.00

🚩 Flag question

Under which type of alignment the changes in gradient and vertical curve are covered?

- ☐ a. Vertical alignment
- ☐ b. Horizontal alignment
- ☐ c. Highway specifications
- ☐ d. Geometric design

https://t.me/ethioezam

Question 6

Not yet
answered

Marked out of
1.00

🚩 Flag question

In which of the following obligatory points the alignment should not pass?

- ☐ a. Important cities
- ☐ b. Intermediate towns
- ☐ c. Important places of worship
- ☐ d. Religious structure and costly structures

<https://t.me/ethioezam>

Question 7

Not yet
answered

Marked out of
1.00

🚩 Flag question

The amount of reinforcement for main bars in a slab, is based upon:

- ☐ a. Minimum shear force
- ☐ b. Maximum bending moment
- ☐ c. Minimum bending moment
- ☐ d. Maximum shear force

,

<https://t.me/ethioezam>

TIME LEFT 2:50:57

Question 8

Not yet
answered

Marked out of
1.00

🚩 Flag question

The specific gravity of cement is:

- ☐ a. 1.44
- ☐ b. 3.15
- ☐ c. 3.0
- ☐ d. 2.5

,

<https://t.me/ethioezam>

QUIZ: 2022-2023

Question 9

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one is the most common method used for the removal of voids in soil?

- ☐ a. Consolidation
- ☐ b. Shear strength
- ☐ c. Compaction
- ☐ d. Permeability

,

<https://t.me/ethioezam>

QUIZ: 2022-2023

Question 10

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is different in terms of specification and method of measurement?

- ☐ a. Bulk excavation
- ☐ b. Pit Excavation
- ☐ c. Cart away of excavated soils
- ☐ d. Site clearance

,

Question 11

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is incorrect about project performance?

- ☐ a. Safety and stakeholders' satisfaction are among the vital criteria for project performance evaluation
- ☐ b. In the context of project evaluation, subjective evaluation criteria are those that are tangible and measurable, such as schedule and cost
- ☐ c. Maximizing the success attributes is as important as minimizing the failure attributes
- ☐ d. Iron triangle provides a platform for the evaluation of project performance

Question 12

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following classification of wall type is not based on the physical nature of the wall material?

- ☐ a. Block construction
- ☐ b. Monolithic construction
- ☐ c. Load bearing
- ☐ d. Composite construction

<https://t.me/ethioezam>

Question 13

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following doesn't indicate the importance of infrastructure condition assessment?

- ☐ a. Establishing performance targets
- ☐ b. Determining the original project cost
- ☐ c. Help to determine the funding needed for maintenance
- ☐ d. Setting maintenance priorities

,

<https://t.me/ethioezam>

Question 14

Not yet
answered

Marked out of
1.00

🚩 Flag question

What are the two main causes of failure of hydraulic structure on the pervious foundation?

- ☐ a. Undermining and Uplift
- ☐ b. Over-turning and Piping
- ☐ c. Overturning and Uplift
- ☐ d. Seepage and Over-turning

,

Question 15

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not the chemical property of materials?

- ☐ a. Porosity
- ☐ b. Decay resistance
- ☐ c. Combustibility
- ☐ d. Corrosion resistance

Question 16

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following pile foundation does not need to reach the hard stratum in transfer of loads?

- ☐ a. Concrete piles
- ☐ b. Steel piles
- ☐ c. End-bearing piles
- ☐ d. Friction piles

Question 17

Not yet
answered

Marked out of
1.00

🚩 Flag question

The removal of earth for highway formation is called:

- ☐ a. Excavation
- ☐ b. Embankment
- ☐ c. Filling
- ☐ d. Sub grade

Question 18

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following counterbalances the centrifugal force, or outward pull, of a vehicle traversing a horizontal curve in geometric design of roads?

- ☐ a. Vertical curves
- ☐ b. Horizontal curves
- ☐ c. Sight distance
- ☐ d. Roadway super-elevation

Question 19

Not yet
answered

Marked out of
1.00

🚩 Flag question

A long trailer carrying reinforcement bars was standing near the stores waiting for instruction from the stores officer regarding the place of unloading. The stores officer directed the trailer driver to unload the reinforcement in the reinforcement yard. While reversing the trailer, it hit a stores worker who was standing behind the trailer and in the process received major head injury. The injured was not wearing safety helmet thinking nothing would fall in the stores area. What is the principal cause of this accident?

- ☐ a. A combination of unsafe act and unsafe condition
- ☐ b. The cause is beyond the control of the site
- ☐ c. Unsafe act
- ☐ d. Unsafe condition

Question 20

Not yet
answered

Marked out of
1.00

🚩 Flag question

What's the correct order of the Project Schedule Management planning processes?

- ☐ a. Plan Schedule Management, Sequence Activities, Define Activities, Estimate Activity Resources, Estimate Activity Durations
- ☐ b. Plan Schedule Management, Define Activities, Sequence Activities, Estimate Activity Resources, Estimate Activity Durations, Develop Schedule
- ☐ c. Plan Schedule Management, Define Activities, Sequence Activities, Develop Schedule, Estimate Activity Resources, Estimate Activity Durations
- ☐ d. Plan Schedule Management, Develop Schedule, Define Activities, Sequence Activities, Estimate Activity Resources, Estimate Activity Durations

,

Question 21

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not the advantage of hollow concrete blocks for walling?

- ☐ a. As its thickness is small it saves space
- ☐ b. Good thermal insulation
- ☐ c. Easier and quicker for construction
- ☐ d. Suitability for plumbing and electrical installations

<https://t.me/ethioezam>

Time left 2:52:58

Question 22

Not yet
answered

Marked out of
1.00

Flag question

You are the project manager for the KLM Project. This project requires quality that maps to new industry standards. To ensure that you can meet these standards, you have elected to send the project team to the training specific to the new industry standard. The costs of these training can be assigned to which of the following?

- ☐ a. Cost of doing business
- ☐ b. Cost of adherence
- ☐ c. Cost of quality
- ☐ d. Cost of nonconformance

<https://t.me/ethioezam>

Question 23

Not yet
answered

Marked out of
1.00

🚩 Flag question

Creating a cost baseline for your new construction project found in which of the following process?

- ☐ a. Controlling Costs
- ☐ b. Estimating Costs
- ☐ c. Determining Budget
- ☐ d. Cost Base lining

,

<https://t.me/ethioezam>

Question 24

Not yet
answered

Marked out of
1.00

🚩 Flag question

From the following shovel family equipment, which one has the longest reach distance from the machine to the digging point?

- ☐ a. Dragline
- ☐ b. Back hoe
- ☐ c. Face shovel
- ☐ d. Clamshell

,

Question 25

Not yet
answered

Marked out of
1.00

🚩 Flag question

For 28 cm thick and 100 sq. m concrete floor slab, if the mix proportion is 1:2:4, how many m³ of aggregate will be required?

- ☐ a. 32
- ☐ b. 8
- ☐ c. 16
- ☐ d. 4

Question 26

Not yet
answered

Marked out of
1.00

🚩 Flag question

The minimum number of main reinforcement bars provided in a circular column is:

- ☐ a. 4
- ☐ b. 6
- ☐ c. 5
- ☐ d. 8

Question 27

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following types of dams were widely used in the early part of the industrial revolution?

- ☐ a. Steel dams
- ☐ b. Cofferdams
- ☐ c. Check dams
- ☐ d. Timber dams

,

Question 28

Not yet
answered

Marked out of
1.00

🚩 Flag question

The mass of moist soil is 20 kg, and its volume is 0.011m^3 . After drying in an oven, the mass reduces to 16.5 kg. What is the water content of the soil?

- ☐ a. 82.5%
- ☐ b. 21.21%
- ☐ c. 5.71%
- ☐ d. 61.29%

<https://t.me/ethioezam>

Time left 2:50:48

Question 29

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following fill material can be used in embankment?

- ☐ a. Silt
- ☐ b. Granular soils
- ☐ c. Clay
- ☐ d. Peat

<https://t.me/ethioezam>

Time left 2:50:27

Question 30

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is coarse-grained soil with a particle size ranging from 4.75mm to 80mm?

- ☐ a. Silt
- ☐ b. Sand
- ☐ c. Clay
- ☐ d. Gravel

<https://t.me/ethioezam>

Question 31

Not yet
answered

Marked out of
1.00

🚩 Flag question

You are managing a project that might have to subcontract out part of the work, and you are comparing the relative advantages and disadvantages of finding a subcontractor versus having your company do the work itself. Which process are you in?

- ☐ a. Procurement management
- ☐ b. Contract planning
- ☐ c. Monitor Procurements
- ☐ d. Conducting procurement

<https://t.me/ethioezam>

Question 32

Not yet
answered

Marked out of
1.00

🚩 Flag question

The Part of a formwork which is in contact with concrete is termed as:

- ☐ a. Scaffolding
- ☐ b. Posts
- ☐ c. Sheathing
- ☐ d. False work

<https://t.me/ethioezam>

Question 33

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is different from the other?

- ☐ a. Key personnel requirement
- ☐ b. Equipment requirement
- ☐ c. Work Schedule
- ☐ d. Project price

<https://t.me/ethioezam>

Question 34

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following foundation is used under load bearing wall?

- ☐ a. Strap footing
- ☐ b. Isolated footing
- ☐ c. Combined footing
- ☐ d. Strip footing

,

<https://t.me/ethioezam>

TIME LEFT: 10:00

Question 35

Not yet
answered

Marked out of
1.00

🚩 Flag question

The choice of design controls and criteria of highway is not influenced by the following factor:

- ☐ a. The nature of the terrain
- ☐ b. The model of the vehicles
- ☐ c. Functional classification of the road
- ☐ d. The traffic volumes expected on the road

,

<https://t.me/ethioezam>

TIME LEFT: 10:00

Question 36

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which type of aggregates gives good workability?

- ☐ a. Flaky
- ☐ b. Irregular
- ☐ c. Angular
- ☐ d. Round

<https://t.me/ethioezam>

TIME REMAINING

Question 37

Not yet
answered

Marked out of
1.00

🚩 Flag question

Portion of dam in contact with ground at downstream side is called:

- ☐ a. Toe
- ☐ b. Foot
- ☐ c. Heel
- ☐ d. Crest

<https://t.me/ethioezam>

Question 38

Not yet
answered

Marked out of
1.00

🚩 Flag question

The upper part of the soil, natural or constructed, which supports the loads transmitted by the overlaying road structure is called:

- ☐ a. Pavement
- ☐ b. Base
- ☐ c. Sub-base
- ☐ d. Sub-grade

<https://t.me/ethioezam>

Time left 2:47:30

Question 39

Not yet
answered

Marked out of
1.00

🚩 Flag question

From the following concrete dams, which one is an extremely strong and efficient structure, given a narrow valley with competent abutments?

- ☐ a. Buttress dam
- ☐ b. Embankment dam
- ☐ c. Gravity dam
- ☐ d. Cupola arch dam

<https://t.me/ethioezam>

Question 40

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not a destructive test of materials?

- ☐ a. Compression test in concrete
- ☐ b. Tension test in steel.
- ☐ c. Flexural test in concrete
- ☐ d. Hammer test in concrete

<https://t.me/ethioezam>

Question 41

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one is the correct order claim administration process?

- ☐ a. Claim processing, claim submittal, claim enforcement
- ☐ b. Claim processing, claim enforcement, claim submittal
- ☐ c. Claim submittal, claim processing, claim enforcement
- ☐ d. Claim submittal, claim enforcement, claim processing

<https://t.me/ethioezam>

Time left 2:46:40

Question 42

Not yet
answered

Marked out of
1.00

🚩 Flag question

You are the project manager of DAS Project. You are considering bid proposals submitted by subcontractors for a portion of the project work. Of the following, which contract is least dangerous to your project?

- ☐ a. Fixed-price
- ☐ b. Cost plus percentage of cost
- ☐ c. Cost plus fixed fee
- ☐ d. Cost plus incentive fee

<https://t.me/ethioezam>

Question 43

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following statement is incorrect about pile foundation?

- ☐ a. The load carrying capacity of tension piles depends upon the diameter of the bell
- ☐ b. The load carrying capacity of a bored pile is smaller than that of an equivalent driven pile
- ☐ c. The most reliable method for determining the load carrying capacity of a pile is the load test
- ☐ d. The group efficiency of the piles cannot be more than 100%

<https://t.me/ethioezam>

Question 44

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following is not the main application of bulldozer?

- ☐ a. Finishing and leveling to the fine limits
- ☐ b. Opening up pilot roads through mountains and rocky terrain,
- ☐ c. Helping load tractor-pulled scrapers
- ☐ d. Clearing land of timber and stump

<https://t.me/ethioezam>

Question 45

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not included in tender notice?

- ☐ a. General description of works
- ☐ b. Name of the consultant
- ☐ c. Name of procuring entity
- ☐ d. Bid security amount

<https://t.me/ethioezam>

Question 46

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is long term source of finance?

- ☐ a. Over draft
- ☐ b. Cash credit
- ☐ c. Trade credit
- ☐ d. Retained earning

Question 47

Not yet
answered

Marked out of
1.00

🚩 Flag question

which one of the following factor increases the project cash flow is affected negatively:

- ☐ a. Credit arrangement period of the suppliers
- ☐ b. Over-measurement
- ☐ c. Advance payment amount
- ☐ d. Retention amount

Question 48

Not yet
answered

Marked out of
1.00

🚩 Flag question

You have just been put in charge of a project that is already executing. While reviewing the project documentation, you discover that there is no WBS. You check the Scope Management plan and discover that there should be one for this project. What is the BEST thing for you to do?

- ☐ a. Mark it down in the lessons learned so it doesn't happen on future projects.
- ☐ b. Stop project work and create the WBS, and don't let work continue until it's created.
- ☐ c. Immediately alert the client and make sure the project work doesn't stop.
- ☐ d. Make sure you closely manage communications to ensure the team doesn't miss any undocumented work.

<https://t.me/ethioezam>

Question 49

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not correct about cost estimation?

- ☐ a. Cost estimation is effected by experience of the estimator
- ☐ b. Client cost estimate and contractor cost estimate have different purpose
- ☐ c. Cost estimation accuracy is affected by the level of information
- ☐ d. Cost estimation is one time activity in project management

,

<https://t.me/ethioezam>

Question 50

Not yet
answered

Marked out of
1.00

🚩 Flag question

A flat slab is supported on:

- ☐ a. Beams
- ☐ b. Beams monolithically built with slab
- ☐ c. Columns monolithically built with slab
- ☐ d. Beams and columns

,

Question 51

Not yet
answered

Marked out of
1.00

🚩 Flag question

Your company has been hired to install floor tile in 1,000 hotel rooms. All rooms will be identical in nature and will require the same amount of materials. You have calculated the time to install the floor tile in each hotel room as six hours. The cost for labor for each room is calculated at Birr 700. Your project client disagrees with your labor estimate. Why?

- ☐ a. You have not completed one hotel room yet so you do not know how long the work will actually take
- ☐ b. You have not considered the law of diminishing returns
- ☐ c. You have not factored in all of the effort applied to the work
- ☐ d. You have not considered the learning curve

<https://t.me/ethioezam>

THIS IS A TEST

Question 52

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following is incorrect about project scheduling software?

- ☐ a. Primavera does not provide facility for PDM network but MS Project does.
- ☐ b. MS Project is more user-friendly compared to Primavera
- ☐ c. Primavera has more features compared to MS Project.
- ☐ d. MS Project uses 'baseline plan' terminology.

<https://t.me/ethioezam>

Question 53

Not yet
answered

Marked out of
1.00

🚩 Flag question

In transport engineering the abbreviation AADT stands for:

- ☐ a. Average access daily traffic
- ☐ b. Access annual daily traffic
- ☐ c. Annual access daily traffic
- ☐ d. Annual average daily traffic

<https://t.me/ethioezam>

Question 54

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following is incorrect about dump trucks

- ☐ a. Side dump trucks are most suitable when dumping is required to be done in a long narrow length
- ☐ b. Side dump trucks are used when maximum maneuverability in the loading or dumping area is required.
- ☐ c. Rear dump trucks are used when the material to be hauled is free-flowing or has bulky components
- ☐ d. Bottom dump trucks are suitable for long hauls of easy flowing materials like sand, gravel, dry earth

,

<https://t.me/ethioezam>

Time left 2:45:05

Question 55

Not yet
answered

Marked out of
1.00

🚩 Flag question

An upward slope on the mass haul diagram curve indicates:

- ☐ a. Borrow
- ☐ b. Embankment
- ☐ c. Fill
- ☐ d. Excavation

,

Question 56

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not commonly incorporated in inventory cost analysis?

- ☐ a. Inflation
- ☐ b. Holding cost
- ☐ c. Ordering cost
- ☐ d. Shortage cost

,

Question 57

Not yet
answered

Marked out of
1.00

🚩 Flag question

Consider activity-A, if everything goes extremely well, it can be completed in 6 days but if everything occurs at its worst, it can be completed in 10 days. It's most likely completion time is assumed to be 8. What is the expected duration of an activity-A using PERT?

- ☐ a. 12
- ☐ b. 7
- ☐ c. 8
- ☐ d. 9

<https://t.me/ethioezam>

Question 58

Not yet
answered

Marked out of
1.00

🚩 Flag question

What is the main difference in unit price development for cement wall plastering and ceiling plastering work?

- ☐ a. Crew composition
- ☐ b. Material cost
- ☐ c. Overhead cost
- ☐ d. Productivity

<https://t.me/ethioezam>

Time left 2:41:38

Question 59

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not the common cause of accident on construction site?

- ☐ a. Locate and define operational errors
- ☐ b. Employment of insufficiently trained workers
- ☐ c. Fixing unsuitable time limits and targets too difficult to achieve
- ☐ d. Fall of persons from scaffolds

Question 60

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is incorrect about impurities in mixing water?

- ☐ a. It can results in corrosion of reinforcement
- ☐ b. It can results in abnormal setting time
- ☐ c. It doesn't affect hardened state of concrete
- ☐ d. It can results in efflorescence

Question 61

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of following is not a bid document?

- ☐ a. Condition of contract
- ☐ b. Specification
- ☐ c. Letter of acceptance
- ☐ d. Performance security form

Question 62

Not yet
answered

Marked out of
1.00

🚩 Flag question

A contractor while planning for a major RCC slab had procured a large quantity of cement. Cement bags were stacked one over the other and at some places 20–25 bags were stacked at one place. During the concreting operation, these cement bags were being shifted. At one point of time, cement bags started falling from the top and two workers got trapped underneath. It resulted in major injury to one of the workers. What is the principal cause of this accident?

- ☐ a. A combination of unsafe act and unsafe condition
- ☐ b. The cause is beyond the control of the site
- ☐ c. Unsafe act
- ☐ d. Unsafe condition

,

Question 63

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which method of specification encourages bidders to introduce technology and innovation?

- ☐ a. Description specification
- ☐ b. Reference standard specification
- ☐ c. Proprietary specification
- ☐ d. Performance Specification

<https://t.me/ethioezam>

Time left: 10:55

Question 64

Not yet
answered

Marked out of
1.00

🚩 Flag question

In designing of slabs, the ratio of the secondary reinforcement to the main reinforcement shall be at least equal to:

- ☐ a. 0.3
- ☐ b. 0.15
- ☐ c. 0.25
- ☐ d. 0.2

<https://t.me/ethioezam>

Question 65

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not the advantage of concrete as a construction material?

- ☐ a. High compressive strength
- ☐ b. Capacity of being molded into different shapes
- ☐ c. Low tensile strength
- ☐ d. Weak in fire resistance

Question 66

Not yet
answered

Marked out of
1.00

🚩 Flag question

Time left 2:40:03

Which one of the following is incorrect about health and safety?

- ☐ a. Costs of accidents involve- direct costs for worker and employer and indirect costs for employer and worker
- ☐ b. An unsafe condition is one in which the physical layout of the workplace is in violation of contemporary safety standards
- ☐ c. Accidents are defined as an event that is planned, desired, expected and controlled, and without any loss in property, time, money and other assets
- ☐ d. An unsafe act is an act of doing something that is unsafe or an act of failing to do something that should be done

,

Question 67

Not yet
answered

Marked out of
1.00

🚩 Flag question

Time left 2:39:43

What is the essentially thing, before beginning cost budgeting process?

- ☐ a. Estimate At Completion (EAC) and Budget At Completion (BAC)
- ☐ b. Parametric model used to arrive at the costs submitted
- ☐ c. Cost estimates and supporting detail
- ☐ d. Costs estimates and project schedule

<https://t.me/ethioezam>

Question 68

Not yet
answered

Marked out of
1.00

🚩 Flag question

Validated defect repair is an output of which process?

- ☐ a. Control Quality
- ☐ b. Integrated change control
- ☐ c. Plan Quality Management
- ☐ d. Manage Quality

<https://t.me/ethioezam>

Time left 2:39:12

Question 69

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not necessarily essential requirement of a foundation?

- ☐ a. The requirement should not consider lateral stability
- ☐ b. It should be taken sufficiently deep to guard the building against damage
- ☐ c. It shall be constructed to sustain all loads and transmit them to the subsoil without causing settlement exceeding the permissible limit
- ☐ d. Its base should be rigid so that differential settlements are minimized

<https://t.me/ethioezam>

Question 70

Not yet
answered

Marked out of
1.00

🚩 Flag question

If the quantity is found mistakenly small, it will not necessarily result in one of the following:

- ☐ a. Project budgeting will be affected
- ☐ b. Construction planning will be affected
- ☐ c. Leads to unit price adjustment
- ☐ d. Tenderers can manipulate their offer due to it

<https://t.me/ethioezam>

Time left 2:38:35

Question 71

Not yet
answered

Marked out of
1.00

🚩 Flag question

For which of the following layers of pavement the highest CBR number is required?

- ☐ a. Pavement
- ☐ b. Sub grade
- ☐ c. Base
- ☐ d. Sub base

Question 72

Not yet
answered

Marked out of
1.00

🚩 Flag question

The property of diminishing in volume of concrete during the process of hardening and drying under constant temperature is called:

- ☐ a. Creep of concrete
- ☐ b. Thermal contraction of concrete
- ☐ c. Shrinkage of concrete
- ☐ d. Thermal expansion of concrete

Question 73

Not yet
answered

Marked out of
1.00

🚩 Flag question

The lower limit up to which an activity time can be reduced is called:

- ☐ a. Crash time
- ☐ b. Crash cost
- ☐ c. Normal time
- ☐ d. Normal cost

Question 74

Not yet
answered

Marked out of
1.00

🚩 Flag question

Project A has a net present value (NPV) of Birr 75,000, with an internal rate of return of 1.5% and an initial investment of Birr 15,000. Project B has a NPV of Birr 60,000 with a benefit cost ratio (BCR) of 2:1. Project C has a NPV of Birr 80,000, which includes an opportunity cost of Birr 35,000. Based on these projects, which is the best one to select:

- ☐ a. Project C
- ☐ b. There is no enough information to select a project
- ☐ c. Project B
- ☐ d. Project A

<https://t.me/ethioezam>

Time left 2:37:16

Question 75

Not yet
answered

Marked out of
1.00

🚩 Flag question

Seepage force is the energy transfer between:

- ☐ a. Air and water
- ☐ b. Water and soil
- ☐ c. Earth and air
- ☐ d. Air and soil

<https://t.me/ethioezam>

Question 76

Not yet
answered

Marked out of
1.00

🚩 Flag question

What is the amount of domestic preference considered for domestic bidders in international competitive bidding of works?

- ☐ a. 5.0%
- ☐ b. 15.0%
- ☐ c. 2.5%
- ☐ d. 7.5%

<https://t.me/ethioezam>

Question 77

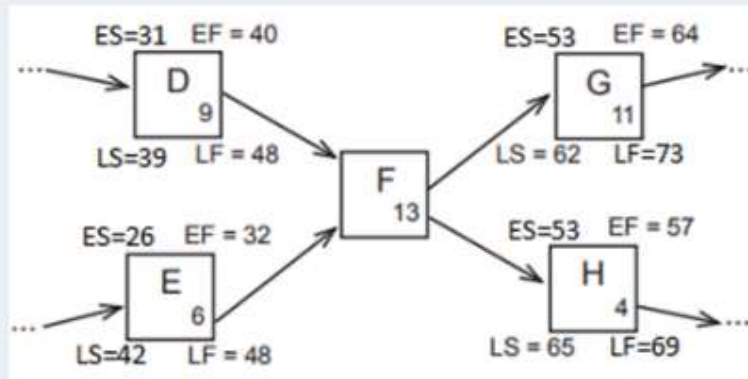
Not yet
answered

Marked out of
1.00

Flag question

Time left 2:36:42

Given the portion of the network diagram in the right, what's the ES of activity F?



- ☐ a. 40
- ☐ b. 45
- ☐ c. 32
- ☐ d. 53

<https://t.me/ethioezam>

Time left 2:36:24

Question 78

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following statement is correct about shallow foundation?

- ☐ a. The presumptive bearing capacity is the same as the allowable bearing capacity
- ☐ b. Terzaghi's theory is applicable when the base of the footing is rough
- ☐ c. For footings on cohesion less soils, the bearing capacity and not the settlement that generally governs the design
- ☐ d. A foundation is considered shallow if its depth is less than 1 m.

,

<https://t.me/ethioezam>

Time left 2:36:24

Question 79

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is a structural members designed to support the loads of the portion of the wall situated above the openings?

- ☐ a. Frame
- ☐ b. Lintel
- ☐ c. Panel
- ☐ d. Window sill

<https://t.me/ethioezam>

TIME LEFT 2:33:42

Question 80

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is a typical common procedure in water supply installation in building construction?

- ☐ a. HCB work, Pipe installation, Pressure test, Plastering
- ☐ b. HCB work, Pressure test, Pipe installation, Plastering
- ☐ c. HCB work, Pipe installation, Plastering, Pressure test
- ☐ d. Pipe installation, HCB work, Pressure test, Plastering

Question 81

Not yet
answered

Marked out of
1.00

🚩 Flag question

Construction work on a tower was going on at 70 m height. Reinforcement tying was in progress at this height during the night. A security guard while doing routine safety rounds at ground level on the site passed through the construction area. A piece of reinforcement bar fell from top causing serious head injury to the security guard. What is the principal cause of this accident?

- ☐ a. A combination of unsafe act and unsafe condition
- ☐ b. Unsafe act
- ☐ c. The cause is beyond the control of the site
- ☐ d. Unsafe condition

,

Question 82

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which of the following equipment is used to level the ground and spreads the loose material?

- ☐ a. Scraper
- ☐ b. Tractor
- ☐ c. Excavator
- ☐ d. Grader

<https://t.me/ethioezam>

Question 83

Not yet
answered

Marked out of
1.00

🚩 Flag question

In design of one way slab, the load transfer is assumed to be:

- ☐ a. In a longer direction
- ☐ b. In both direction
- ☐ c. No transfer of load at all
- ☐ d. In a shorter direction

<https://t.me/ethioezam>

Question 84

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not an advantage in precast concrete floor construction?

- ☐ a. High degree of site accuracy is required
- ☐ b. Erection is possible at every weather condition
- ☐ c. Elimination of the need for formwork
- ☐ d. Curing time of concrete is eliminated

<https://t.me/ethioezam>

Question 85

Not yet
answered

Marked out of
1.00

🚩 Flag question

At what moisture content the soil passes from plastic to the liquid state?

- ☐ a. Liquidity index
- ☐ b. Plasticity index
- ☐ c. Plastic limit
- ☐ d. Liquid limit

,

<https://t.me/ethioezam>

Question 86

Not yet
answered

Marked out of
1.00

🚩 Flag question

For small projects, which type of method is recommended for project planning?

- ☐ a. CPM
- ☐ b. Bar chart
- ☐ c. PERT
- ☐ d. Line of balance

,

<https://t.me/ethioezam>

Question 87

Not yet
answered

Marked out of
1.00

🚩 Flag question

Among the following, which one is the most reliable source of information for estimating project costs?

- ☐ a. Estimator's opinion
- ☐ b. Historical information from a recently completed project
- ☐ c. Recollections of team members that have worked on similar projects
- ☐ d. Vendor's quotation

<https://t.me/ethioezam>

Question 88

Not yet
answered

Marked out of
1.00

🚩 Flag question

The time taken by the project critical path:

- ☐ a. Crash time of the project
- ☐ b. Maximum time of the project
- ☐ c. Standard time of the project
- ☐ d. Minimum time of the project

<https://t.me/ethioezam>

Question 89

Not yet
answered

Marked out of
1.00

🚩 Flag question

What is the most important aspect of construction site supervision?

- ☐ a. To control the cost
- ☐ b. To control the quality of project
- ☐ c. To control productivity
- ☐ d. To control the rise in price

<https://t.me/ethioezam>

Question 90

Not yet
answered

Marked out of
1.00

🚩 Flag question

Bill of quantity (BOQ) does not include:

- ☐ a. Quality of work to be carried out
- ☐ b. Engineer's estimated price
- ☐ c. Rate quoted by bidder
- ☐ d. Description of work to be carried out

<https://t.me/ethioezam>

Question 91

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not necessarily true about good site layout?

- ☐ a. Improves quality
- ☐ b. Improves safety
- ☐ c. Permits easy movement of materials, equipment, and people around the site
- ☐ d. Minimizes congestion caused by stored materials and equipment

<https://t.me/ethioezam>

Question 92

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not the purpose of procurement?

- ☐ a. It helps to ensure favoritism
- ☐ b. It helps the regulatory bodies to ensure transparency
- ☐ c. It helps the project owners to acquire the right cost and quality
- ☐ d. It help for effective utilization of finance

Question 93

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is not the typical application of work breakdown structure (WBS)?

- ☐ a. Managing project costs
- ☐ b. Managing project scope
- ☐ c. Managing project quality
- ☐ d. Managing project time schedule

Question 94

Not yet
answered

Marked out of
1.00

🚩 Flag question

Consider a new excavator is purchased with 17,500,000 birr and assume it has an estimated useful life of 5 years with estimated salvage value of 1,500,000 at the end of its useful life. Calculate its annual depreciation amount if the straight-line method of depreciation is employed.

- ☐ a. 2,000,000 birr
- ☐ b. 3,500,000 birr
- ☐ c. 3,200,000 birr
- ☐ d. 3,800,000 birr

<https://t.me/ethioezam>

Question 95

Not yet
answered

Marked out of
1.00

🚩 Flag question

What is the first step on construction site after mobilization?

- ☐ a. Surveying
- ☐ b. Bill of quantities
- ☐ c. Estimation
- ☐ d. Evaluation

Previous page

Next page

Question 96

Not yet
answered

Marked out of
1.00

🚩 Flag question

Which one of the following is incorrect about aggregate?

- ☐ a. The use of well graded aggregates results in improved workability of the concrete
- ☐ b. One of the expected property of aggregate is it has to be reactive
- ☐ c. A well-graded aggregate helps to produces a stronger concrete
- ☐ d. The use of well graded aggregates helps to save cement

,

Question 97

Not yet
answered

Marked out of
1.00

🚩 Flag question

You are working on a project with a Planned Value (PV) of Birr 56,733 and a Schedule Performance Index (SPI) of 1.2. What is the earned value of your project?

- ☐ a. 0.72
- ☐ b. Birr 68,733
- ☐ c. Birr 68,079.60
- ☐ d. Birr 47,277.50

,

<https://t.me/ethioezam>

Question 98

Not yet
answered

Marked out of
1.00

🚩 Flag question

Gypsum plastering is not recommended in one of the following area:

- ☐ a. Toilet
- ☐ b. Living and dining
- ☐ c. Bed room
- ☐ d. Internal corridor

,

<https://t.me/ethioezam>

Question 99

Not yet
answered

Marked out of
1.00

🚩 Flag question

What is the purpose of compacting concrete?

- ☐ a. Removing entrapped air
- ☐ b. Improving workability
- ☐ c. Removing entrained air
- ☐ d. Improving curing

,

Question 100

Not yet
answered

Marked out of
1.00

🚩 Flag question

You are managing an industrial Architectural project. You have spent Birr 26,410 so far to survey the site, draw up preliminary plans, and run engineering simulations. You are preparing to meet with your project client when you discover that there is a new building law that will cause you to have to spend an additional estimated Birr 15,000 to revise your plans. You have to contact the project client and initiate a change request to update the cost baseline. What variable would you use to represent Birr 26,410 in an earned value calculation?

- ☐ a. Budget At Completion (BAC)
- ☐ b. Planned value (PV)
- ☐ c. Actual Cost (AC)
- ☐ d. Earned Value (EV)