Assignment 2

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

1) "Recursive function can be used while determining the factorial of a number"  
The above statement is
- True
- False

No, the answer is incorrect.  
Score: 0  
Accepted Answers: True

2) Tasks performed during phase D in New Lifecycle Phases are ______  
- Final design and fabrication
- Preliminary design and technology completion
- Operations and sustainment
- System assembly, Integration and test, fielding

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
System assembly, Integration and test, fielding

3) Company X is a local three-wheeler manufacturing company. A particular process in the process flow involves making 5 holes of 10mm diameter on a 2000 mm rectangular pipe. The documented process for making such a hole is drilling. However, due to the increase in demand, it was not possible for the drilling operator to make all the holes. Therefore, the workers at the machine shop came up with a solution that instead of 5 holes, 3 holes will be made by the drilling machine, and 2 holes will be made by using punching operation in the press machine. The next process will not be affected since there has no effect on the dimension of the hole whether it is drilled or punched. Which knowledge is the above paragraph referred to?

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
System assembly, Integration and test, fielding

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4) “Customer requirement is a System Engineering Process input”

The above statement is

- [ ] True
- [ ] False

No, the answer is incorrect.

Score: 0

Accepted Answers:

Tribal knowledge

5) “A semi-highspeed train should run at the speed of 180 kmph, should accelerate up to 0-50 kmph in 30 seconds, and should have a power braking system.”

The above statement can be classified into:

- [ ] Design solution definition
- [ ] Technical planning
- [ ] Technical requirements definition
- [ ] Requirement management

No, the answer is incorrect.

Score: 0

Accepted Answers:

Technical requirements definition

6) Which of the following tool is used for functional analysis?

- [ ] Functional flow block diagram
- [ ] Time line analysis
- [ ] Requirements Allocation Sheet
- [ ] All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

7) Which of the following is NOT ensured by System Analysis and Control (SAC)?

- [ ] Traceability
- [ ] Load testing
- [ ] Schedule
- [ ] Integrate disciplines

No, the answer is incorrect.

Score: 0

Accepted Answers:

Load testing

8) What is the role of a systems engineer to develop a balanced viewpoint of the system?

- [ ] Technicality is the key. If this part is managed properly, other things can be managed easily
- [ ] All the systems are balanced by its own nature. Hence, no effort is required from the systems
Making balance between technical depth, technical breadth, and management expertise
Balanced viewpoint is a myth and cannot be achieved

No, the answer is incorrect.
Score: 0
Accepted Answers:
Making balance between technical depth, technical breadth, and management expertise

9) Which of the following domain comes under the soft side of Systems Engineering

- Social
- Engineering
- Technical
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Social

10) What are the other opportunities of using the developed system? This analysis is performed at which activity of System Engineering?

- User needs
- Scenario
- Use cases
- Opportunity assessments

No, the answer is incorrect.
Score: 0
Accepted Answers:
Opportunity assessments