

# System analysis and design Midterm (Q)

System analysis and design Midterm Exam  
Department of Computer Science and Engineering.  
Primeasia University, Bangladesh.

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Test Date: 13/12/2020

Test Time: 3:30PM

Test Duration: 60Mins

Test Score: 20

Test Rules (Please READ)

1. Please do not copy the answer from others, similar answer will be taken as a copy.
2. You have 60mins for your exam, however, if you submit your exam paper quickly you will get marks benefits.
3. You have to submit the answer paper in Google form as soon as possible without any delay, if you are not able to submit it on time, need to inform me.
4. No late submission will be accepted.
5. If you have link or internet issues, need to notify me within the first 10mins of the exam.

**\* Required**

Name \*

Your answer

Student ID \*



Your answer

Which one of the following higher level system analyst role? \*

1 point

- ☐ Transaction Processing System (TPS)
- ☐ Office Automation System (OAS)
- ☐ Management Information System (MIS)
- ☐ Knowledge Work System (KWS)

Why we need a System Analysis and Design? \*

1 point

- ☐ Installing a system without proper planning leads to great user dissatisfaction and frequently causes the system to fall into disuse
- ☐ Lends structure to the analysis and design of information systems
- ☐ A series of processes systematically undertaken to improve a business through the use of computerized information systems
- ☐ All of the above.

What and why ISD? \*

1 point

Your answer

What are the quality a system analyst must have? \*

1 point

- ☐ Problem solver



- ☐ Communicator
- ☐ Strong personal and professional ethics
- ☐ Self--disciplined and self--motivated

What kind of system help executives to make unstructured strategic decisions in an informed way \*

1 point

- ☐ Group Decision Support System (GDSS)
- ☐ Computer--Supported Collaborative Work System (CSCWS)
- ☐ Expert System (ES)
- ☐ Executive Support System (ESS)

In the seven phases of the systems development life cycle, what are the activities and output you get in “1. Identifying problems, opportunities and objectives” phase? \*

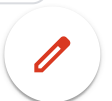
1 point

Your answer

What are the main components of methodology (MCM)? \*

1 point

- ☐ Process, System and Design
- ☐ Techniques, Tools and Models
- ☐ Design, Analysis and Development
- ☐ Test, Develop and Debug.



To increase the analyst productivity, analyst-user communication, integrating life cycle activities and accurately assessing maintenance changes we use a popular tools. Please name the tools. \*

1 point

- ☐ CASE tools
- ☐ System tools
- ☐ Agail tools
- ☐ SDLC tools

Name an Alternate approach to the structured approach of the SDLC that is intended to facilitate the development of systems that must change rapidly in response to dynamic business environments. \*

1 point

- ☐ System dependent analysist and design
- ☐ Object--Oriented Systems Analysis and Design
- ☐ Higher level design tools
- ☐ CASE tools.

What are the main values of Agile approach? \*

1 point

- ☐ Planning, development, iteration and analysis;
- ☐ Identify, design, requirement and development;
- ☐ Communication, Simplicity, feedback and courage;



☐ Planning, analysis, development and testing;

Write down the development process for an agile process. \*

1 point

Your answer

In Scrum management tools, we use product backlog for which kind of activities? \*

1 point

- ☐ Estimate
- ☐ Schedule
- ☐ Prioritize
- ☐ Track

Making flowchart, drawing data flow diagram(DFD), drawing entity-relationship diagram (ERD), structure chart, making class diagram or sequence diagram is an example of which kind of methodology \*

1 point

- ☐ Tools
- ☐ Models
- ☐ Design.
- ☐ Techniques



How to decide which development method (SDLC, Agile, Object-Oriented) to use? \*

1 point



to use :

Your answer

Functional requirements are? \*

1 point

- ☐ System characteristics
- ☐ System integration
- ☐ System behavior
- ☐ Developer choices

What are the activities in Requirement management? \*

1 point

- ☐ Elicit
- ☐ Analyze
- ☐ Prioritize
- ☐ Validate

For mass market product, which of the elicitation techniques we should use and why explain \*

1 point

Your answer

Which elicitation techniques is with user involvement \*

1 point

- ☐ Observations



- ☐ Questionnaires
- ☐ User interface analysis
- ☐ Interview

How to identify the non-functional requirements (with Taxonomy sources) 1 point

\*

Your answer

Which of the following is the example of Functional requirements? \* 1 point

- ☐ System Usability
- ☐ System Reliability
- ☐ How the system perform in speed.
- ☐ System shall inform user about the information they need.

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