Q.1: Choose the correct answer and encircle it.  1x10=10

1- How many steps are in the systems development life cycle (SDLC)?
   a- 4 b- 5 c-6 d-10

2- The first step in the system development life cycle (SDLC) is?
   a- Analysis b- Design
   c- Problem/Opportunity Identification.
   d- Development and Documentation.

3- Design and implement database structures.
   a- Programmers b- Project Managers
   c- Technical writer’s d- Database Administrators

4- Debugging is
   a- Creating program code.
   b- Finding and correcting errors in the program code.
   c- Identifying the task to be computerized.
   d- Creating the algorithm.

5- In ER diagrams, the rectangles are used to denoted
   a- Entity types b- Attribute types
   c- Key types d- structure type

6- A data flow may or may not be attached to at least one process
   a- Finding b- Sorting c- True d- False

7- The ____________ determines whether the project should go forward.
   a- Opportunity identification b- Feasibility assessment
   c- System evaluation d- Program specification

8- The making of such system that can be used easily by majority users is classified as
   a- System friendly b- User friendly
   c- Environment friendly d- Management friendly

9- In flow chart, the symbol of rectangle is used to show
   a- Operation on data b- System process
   c- Manual operations d- Magnetic disc

10- Which of the following is not a fact-finding technique?
    a- Third party enquiry b- Interview
    c- Questionnaire d- Record reviews
Model Paper “System Analysis &Design”
For DIT Semester-II
Annual Examination 2016 & Onward
SUBJECTIVE
(PART-B)

Time:-2:10 Hrs Marks:-40

SECTION-I

Q.1. Write the short answer to any Twelve (12) of the following questions. 2x12=24

1- Define the term ‘system’.
2- What is the main objective of the Feasibility Study?
3- What are the major issues that should be raised when the system designer design the system process?
4- What are the objectives for input design?
5- What are the main components of a data flow diagram?
6- Describe the purpose of the entity relationship diagram (ERD)?
7- What is the difference between user manual & technical manual?
8- What is change over procedure?
9- Write the steps for determining cost and benefit?
10-Write the strategies for determining information requirements?
11-Write the purpose of design methodologies?
12-Define structured design? How it is related to DFD?
13-What is decision table?
14-What is system testing?
15-Write the steps to create test files?
16-Write the factors by which quality are specified?
17-Write about input design?
18-What is system performance definition?

SECTION-II

Long Question
Note: - Attempt any two (02) questions. 8x2=16

Q-2: What is an information system & explain types of information system?
Q-3: Explain DFD & Decision Tree and rules for constructing DFD & Decision Table?
Q-4: Describe the purpose of the entity relationship diagram (ERD) in the structured development strategy?

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