

Roll No.
1200 -/10/30/10

N-166

January 2019

Post Graduate Diploma in Computer Application (PGDCA) Examination

Ist Semester

SYSTEM ANALYSIS AND DESIGN

Time 3 Hours]

<http://www.davvonline.com>

[Max. Marks 100

Note : Attempt all questions. All questions carry equal marks.

1. Attempt any two parts :
 - (a) What is a software engineering model ? What problems may arise in adopting a software engineering model ? Explain with the help of example.
 - (b) What is feasibility study ? Explain its types also.
 - (c) Describe different information finding methods with their limitation.
2. Attempt any two parts :
 - (a) Compare and contrast flow chart with data flow diagram.
 - (b) How decision table is useful in analysing system ? Explain.
 - (c) What is Data dictionary and Decision tree ?
3. Attempt any two parts :
 - (a) What is Software Quality Assurance 'SQA' ? Explain its processes and responsibilities.
 - (b) Distinguish between alpha and beta testing methods.
 - (c) Describe unit, integration and system testing methods.
4. Attempt any two parts :
 - (a) Is user training an important part of system conversion ? Justify your answer.
 - (b) Explain extendibility and replacement in post implementation of a system.
 - (c) Explain different methods of deployment.
5. Attempt any two parts : <http://www.davvonline.com>
 - (a) What is the role of UML in system analysis and design ?
 - (b) With the help of an example explain object diagram and class diagram.
 - (c) Write short notes on :
 - (i) Use-case diagram
 - (ii) Sequence diagram.

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