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UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B.Tech CSE DevOps
Subject (Course): DevOps Overview
Course Code :CSDV 1001
No. of page/s:2

Semester – 1st
Max. Marks : 100
Duration : 3 Hrs

Section A : All questions are compulsory. Provide Short Answers to the questions in this section. (6x 5= 30 Marks)

Q1. Waterfall model is non-sequential model of software development. Mention the disadvantages clearly due to this.

Q2. Why it is important to find bugs and test a software in testing phase of SDLC? Provide arguments.

Q3. Elucidate upon the figure 1 below.

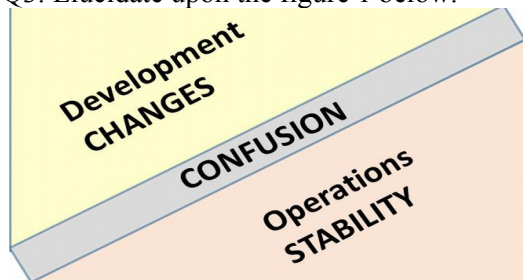


Fig 1

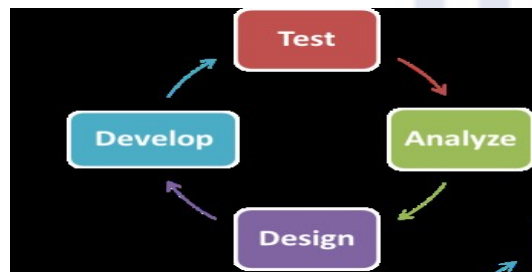


Fig 2

Q4. Write few lines about the figure2.

Q5. How does responding to a change rather than following a plan is a beneficial approach?

Q6. Continuous Integration and Continuous Delivery are names of same processes or not? Justify.

Section B. All Questions are compulsory. Support answers with examples where needed. (4x7.5=30 Marks)

Q7. Automation in CAMS is the most visible face of Dev Ops. Provide the reasons to justify it.

Q8. Scrum is a methodology to exhibit Agile. How does scrum comply with Agile Manifesto Principles?

Q9. Clearly write the purpose of DevOps.

Q10. MVP is an adaptation of an Agile Practice. Establish the relation.

Section C. Attempt Any two questions. (2X20 = 40 Marks)

Q10. Create a product backlog for a project where a mobile wallet application has to be created for Bank Employees so that they can use the mobile wallet to make payments for : travel and hotel stay only.

Q11. Write in detail about various activities carried out in a Sprint. Support with the help of a figure/chart. Exemplify as well.

Q12. Software Configuration Management has a workflow. Explain it in detail capturing all the activities in relation to DevOps Release Management Plan and Agile Sprint Planning.

