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| Name: Enrolment No: |  UNIVERSITY WITH A PURPOSE |
| UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, July2020 | |
| Course: Source Code Management Program: B.Tech. CS DevOps Course Code: CSDV 1003 | Semester: II Time 02 hrs. Max. Marks: 100 |
| Mode of exam: Online through blackboard | |

Question Settings

X

You can edit, delete or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Description End Sem Exam duration is 2 hours.
 It is a mix of MCQ and Subjective questions

Instructions

Total Questions 34
 Total Points 100
 Number of Attempts 35

Select: All None Select by Type:

Delete and Regrade Points Update and Regrade Hide Question Details

1. Multiple Choice: Point out the wrong statement

- Question** Point out the wrong statement
- Answer** Source code Management is necessary to keep track of versions of Source Code in form of snapshots
- Source code management keeps track of modifications to code.
- Source Code Management is not part of devops tool kit
- Source Code is not free from errors and need be tested for errors

2. Multiple Choice:
 is the first process in th...

Points: 2

Points: 2

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|-----------------|----------------------------------------------------------------|
| Question | _____ is the first process in the continuous delivery pipeline |
| Answer | Unit tests |
| | Containerization |

Orchestration

Deployment

3. Multiple Choice: A team member can reproduce the enti...

Points: 2

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|----------|---------------------------------------------------------------------------------------------------------------|
| Question | A team member can reproduce the entire software system from the _____ database. |
| Answer | <p>Code</p> <p>Applications</p> <p><input checked="" type="checkbox"/> Version control</p> <p>Development</p> |

4. Multiple Choice: Popular git server available public...

Points: 2

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|----------|---------------------------------------------------------------------------------------------|
| Question | Popular git server available publically are |
| Answer | <p>Docker</p> <p>Azure</p> <p>AWS</p> <p><input checked="" type="checkbox"/> Github.com</p> |

5. Multiple Choice: Which one is a version control system

Points: 2

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|----------|----------------------------------------------------------------------------------------------------|
| Question | Which one is a version control system |
| Answer | <p>SVN</p> <p>Mercurial</p> <p>Git</p> <p><input checked="" type="checkbox"/> All of the above</p> |

6. Multiple Choice: Basic functionalities provided by a S...

Points: 2

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|----------|------------------------------------------------------|
| Question | Basic functionalities provided by a SCM include |
| Answer | <p><input checked="" type="checkbox"/> All below</p> |

Add

Checkout

Revert

7. Multiple Choice: Git Add utility is used to

Points: 2

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|----------|--------------------------------------------------------------------|
| Question | Git Add utility is used to |
| Answer | <input type="checkbox"/> add contents of two excel files |
| | <input type="checkbox"/> add two numbers |
| | <input type="checkbox"/> add more hardware |
| | <input checked="" type="checkbox"/> stage the changes made in file |

8. Multiple Choice: A developer checks in modifications/a...

Points: 2

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|----------|----------------------------------------------------------------------------------------------------------------------|
| Question | A developer checks in modifications/additions in the files in a repository to the version control server using _____ |
| Answer | <input type="checkbox"/> Update |
| | <input checked="" type="checkbox"/> Commit |
| | <input type="checkbox"/> Response |
| | <input type="checkbox"/> Deploy |

9. Multiple Choice: A hash id for commit is used to

Points: 2

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|----------|------------------------------------------------------------------------|
| Question | A hash id for commit is used to |
| Answer | <input type="checkbox"/> look at date time stamp |
| | <input type="checkbox"/> look at revision number of the file |
| | <input checked="" type="checkbox"/> find out the commit made in a repo |
| | <input type="checkbox"/> None of the above |

10. Multiple Choice: Which command is used to setup identi...

Points: 2

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|----------|------------------------------------------------|
| Question | Which command is used to setup identity in git |
| Answer | <input type="checkbox"/> git config |

- git identify
- git user.email
- git login

 11. Multiple Choice: Git clone is used

Points: 2

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|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Question | Git clone is used |
| Answer | <ul style="list-style-type: none">to fetch the contents of a repoto write dummy comments<input checked="" type="checkbox"/> to create a local version of a repoincorrect command |

 12. Multiple Choice: What is the correct order of state of...

Points: 2

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|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Question | What is the correct order of state of files in a repo |
| Answer | <ul style="list-style-type: none"><input checked="" type="checkbox"/> " Modified, Staged, Committed""Staged, Committed, Synced"" Modified, Deleted, Added"None of the above |

 13. Multiple Choice: The status of files under tracking in...

Points: 2

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|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Question | The status of files under tracking in git repo can be checked by |
| Answer | <ul style="list-style-type: none">git dash<input checked="" type="checkbox"/> git statusgit querygit jump |

 14. Multiple Choice: What command can be used to compare d...

Points: 2

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|----------|---------------------------------------------------------------------------------------------------|
| Question | What command can be used to compare difference in contents of a file in committed state vs staged |
| Answer | git diff |

- git diff --cached
- git diff --committed
- git diff ---all

15. Multiple Choice: git push command will

Points: 2

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|----------|----------------------------------------------------------------------|
| Question | git push command will |
| Answer | <input checked="" type="checkbox"/> push committed code changes only |
| | <input type="checkbox"/> push committed code and branches |
| | <input type="checkbox"/> push staged changes |
| | <input type="checkbox"/> "push code, branches and tags" |

16. Multiple Choice: .gitignore is a special purpose entit...

Points: 2

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|----------|-----------------------------------------------------------------------------------------|
| Question | .gitignore is a special purpose entity in a repo created by developers to |
| Answer | <input checked="" type="checkbox"/> "ignore files ,file extensions and sub directories" |
| | <input type="checkbox"/> ignore sub directories |
| | <input type="checkbox"/> .gitignore does not exist |
| | <input type="checkbox"/> keep a track of change sets |

17. Multiple Choice: every file in git's working directory...

Points: 2

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|----------|---------------------------------------------------------------------|
| Question | every file in git's working directory are in following three states |
| Answer | <input checked="" type="checkbox"/> "tracked,untracked,ignored" |
| | <input type="checkbox"/> "staged,modified,committed" |
| | <input type="checkbox"/> "staged,untracked,committed" |
| | <input type="checkbox"/> "ignored,untracked,committed" |

18. Multiple Choice: .gitignore is a special _____ that is ...

Points: 2

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|----------|---------------------------------------------------------------|
| Question | .gitignore is a special _____ that is stored _____ repository |
| Answer | <input type="checkbox"/> "textfile,outside" |

"textfile,Root of Repository" "Docfile,inside" "Docfile,anywhere inside" 19. Multiple Choice: The command that is used to find the ...

Points: 2

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|----------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Question | The command that is used to find the current status of files and folders to be committed is |
| Answer | <input checked="" type="checkbox"/> status <input type="checkbox"/> Stage <input type="checkbox"/> add <input type="checkbox"/> log |

 20. Multiple Choice: ""Working tree is clean"" is the out...

Points: 2

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|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Question | ""Working tree is clean"" is the output of git status command when" |
| Answer | <input checked="" type="checkbox"/> All changes in the repo are committed <input type="checkbox"/> no file is in staging area <input type="checkbox"/> when two branches are merged without any conflict <input type="checkbox"/> when log has no branch |

 21. Multiple Choice: _____ Version Control systems all...

Points: 2

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|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Question | _____ Version Control systems allow users to branch out of working tree without affecting the code in mainline |
| Answer | <input type="checkbox"/> Local <input checked="" type="checkbox"/> Distributed <input type="checkbox"/> Centralized <input type="checkbox"/> All |

 22. Multiple Choice: Repositories can be handled in follow...

Points: 2

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|----------|-----------------------------------------------------------------------|
| Question | Repositories can be handled in following two _____ Repository manners |
| Answer | "Mono, Multiple" |

"Mono,Shared"

"Shared,Multiple"

All

23. Multiple Choice: Fork of repo on github results in

Points: 2

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|----------|-----------------------------------------------------------------------------------------------------------------|
| Question | Fork of repo on github results in |
| Answer | forking a sub process |
| | forking a thread on main server |
| | <input checked="" type="checkbox"/> creating a copy of foked repo in github at a desired and validated location |
| | creating a copy of of forked repo in only your account |

24. Multiple Choice: Git help is feature to provide help...

Points: 2

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|----------|------------------------------------------------------|
| Question | Git help is feature to provide help for |
| Answer | Commit |
| | Add |
| | Revert |
| | <input checked="" type="checkbox"/> All git commands |

25. Multiple Choice: Git Config is a _____ utility

Points: 2

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|----------|---------------------------------------------------------------------|
| Question | Git Config is a _____ utility |
| Answer | Customization |
| | Configuration |
| | <input checked="" type="checkbox"/> Customizayion and Configuration |
| | Only configuration |

26. Multiple Choice: Merge conflicts happen when

Points: 2

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|----------|-----------------------------------------|
| Question | Merge conflicts happen when |
| Answer | two branches have commits on same files |

two branches have commits on different files



two branches have commits on same files and changes are made in same lines of the two or more files

Branches are deleted without merging

27. Multiple Choice: Distributed Version Control is a syst...

Points: 2

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|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Question | Distributed Version Control is a system in which |
| Answer | <p>Repos can be distributed within teams only</p> <p>Repos can be distributed within organizations only</p> <p>Repos can be distributed using google drives</p> <p><input checked="" type="checkbox"/> Repos can be distributed between developers without compromising the verified code base</p> |

28. Multiple Choice: Github supports the following workflows

Points: 2

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|----------|---------------------------------------------------------------------------------------------------------------------------------------|
| Question | Github supports the following workflows |
| Answer | <p>Distributed</p> <p>Centralized</p> <p><input checked="" type="checkbox"/> Distributed and Centralized</p> <p>None of the above</p> |

29. Multiple Choice: A branch in a repo has

Points: 2

| | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Question | A branch in a repo has |
| Answer | <p>all history and configurations of parent branch and itself</p> <p>all history of parent branch</p> <p><input checked="" type="checkbox"/> Leaf nodes of a tree of repo history</p> <p>history of only the branch itself</p> |

30. Multiple Choice: Mergetool is a utility that is used to

Points: 2

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|----------|----------------------------------------|
| Question | Mergetool is a utility that is used to |
| Answer | merge sort data in files |

merge two repos

look for conflicts and resolve them

check for merge conflicts

31. Short Answer: DQ 1.: Write similarities and differences be...

Points: 10

Question

Write similarities and differences between Distributed and Centralized version Control?

Answer

32. Short Answer: DQ2.: Under what conditions merge conflicts...

Points: 10

Question

Under what conditions merge conflicts occur in a repo? What are the steps you take to resolve it?

Answer

33. Short Answer: DQ 3.: Explain the need and use of Source Co...

Points: 10

Question

Explain the need and use of Source Code Management? Why it is such an important part of DevOps tool kit?

Answer

34. Short Answer: DQ 4.: Elucidate on important features of R...

Points: 10

Question

Elucidate on important features of Repo Design in git. Why do developers need to design their repos?

Answer

Select: All None Select by Type: - Question Type -

Delete and Regrade

Points

Update and Regrade

Hide Question Details

← OK