

Total No. of Questions : 4]

SEAT No. :

P-5252

[Total No. of Pages : 2

[6188]-208

B.E. (Information Technology) (Insem)

Introduction to DevOps

(2019 Pattern) (Semester - VII) (414445B) (Elective - IV)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q3 or Q.4.
- 2) Neat diagram must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data if necessary.
- 5) Use of Scientific Calculator is permitted.

- Q1)** a) Describe the steps of the DevOps pipeline in detail. Explain the relevance of each step. [5]
b) Justify How DevOps practices help to bridge the gap between the development and operations teams. [6]
c) Enlist the reasons for adopting DevOps. [4]

OR

- Q2)** a) Explain how continuous integration and continuous deployment play a part in DevOps. [5]
b) Why is monitoring necessary throughout the software development process? Explain proper monitoring procedures. [6]
c) How does DevOps differ from the traditional waterfall model? [4]

- Q3)** a) Draw and explain structure of small scale monolithic application. [5]
b) Explain in brief characteristics of micro service architecture. [6]
c) Write a short note on server less computing. [4]

OR

- Q4)** a) Describe the benefits of container-based apps in the DevOps life cycle and the philosophy behind them. [5]
- b) What is cloud computing? Describe the four-cloud computing deployment model. [6]
- c) Differentiate between automation and orchestration along with example. [4]

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