

SVKM's  
Dwarkanadas J. Sanghvi College of Engineering  
Acad .Year 2022-2023  
YEAR III / Semester VI

Program: B.Tech in Computer Engineering  
Subject/Course: Ubiquitous Computing  
Date: 05.06.2023

Max. Marks: 75  
Time: 09:00-12:00  
Duration: 03:00 Hrs

FINAL EXAMINATION

**Instructions:** Candidates should read carefully the instructions printed on the question paper and on the cover page of the Answer Book, which is provided for their use.

- (1) This question paper contains 01 pages.
- (2) All Questions are Compulsory.
- (3) Answer to each new question is to be started on a fresh page.
- (4) Figures in the brackets on the right indicate full marks.
- (5) Assume suitable data wherever required, but justify it.
- (6) Support your answers with neat labelled diagrams, wherever necessary.

Question No.		Max. Marks
Q1 (a)	Explain application of ubiquitous computing for Utility Regulation.	[07]
Q1 (b)	Explain partitioning and distribution of service components. OR Write a short note on Smart Mobile Devices.	[08] [08]
Q2 (a)	Explain Natural Language interfaces.	[07]
Q2 (b)	Explain the location determination process in mobile networks. OR Explain context aware operational life cycle.	[08] [08]
Q3 (a)	Explain Key Challenges in designing support for UbiCom system properties.	[07]
Q3 (b)	Differentiate soft and hard information. OR How is multimedia content managed?	[08] [08]
Q4 (a)	Explain Autonomy property of Ubiquitous Computing.	[07]
Q4 (b)	Explain Network discovery as a process in service provision life cycle. OR Illustrate the characteristics of service access used by smart devices.	[08] [08]
Q5 (a)	Explain configuration management.	[07]
Q5 (b)	Explain Performance Management. OR Explain Fault, Configuration, Accounting, Performance and Security (FCAPS) management functions spread across logical layers.	[08] [08]

All the Best!