

DURATION: - 2½ hrs

84305424

MARKS:- 75

Note: - (1) All questions are compulsory.

(2) Figures to the right indicate full marks

(3) Answer to each question must be on a new page

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| Q.1) | Attempt the following (Any Four) | 20M |
| a) | Define software and state its characteristics | CO1-U |
| b) | Explain in brief the various types of software process | CO1-R |
| c) | Draw the use case diagram for safe home security function | CO1-A |
| d) | What is SRS? Explain need and benefits of SRS | CO1-R |
| e) | Explain waterfall model | CO1-R |
| f) | What is the need of feasibility study? Explain its types | CO1-R |
| Q.2) | Attempt the following (Any Four) | 20M |
| a) | What is the difference between function oriented and object oriented design | CO2-A |
| b) | State the difference between coupling and cohesion | CO2-A |
| c) | Describe the cost estimation process | CO2-R |
| d) | Describe the cost estimation process | CO2-R |
| e) | Explain the seven principles of risk management | CO2-R |
| f) | Write a short note on risk management process | CO2-R |
| Q.3) | Attempt the following (Any Four) | 20M |
| a) | Explain quality challenges | CO3-R |
| b) | Explain PDC a cycle in brief | CO3-R |
| c) | State the difference between traditional development models and clean room development | CO3-A |
| d) | What is reliability measures | CO3-U |
| e) | Explain benefits of ISO9000 | CO3-R |
| f) | State the difference between white box testing and black box testing | CO3-A |
| Q.4) | Attempt the following (Any Five) | 15M |
| a) | What is agility? Explain explain in detail | CO1-R |
| b) | Differentiate between system software and application software | CO1-A |
| c) | State the difference between quality control and quality assurance | CO2-A |
| d) | Explain the different categories of risks | CO2-R |
| e) | Play in six Sigma in details | CO3-R |
| f) | Explain SQA standards | CO3-R |
