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Internal Assessment Test 2 – October 2019

| Sub: | Software Engir | neering | | | | Sub Code: | 18CS35 | Brai | nch: | ISE | | |
|-------|--|--------------|---------------|-----------------|--------|---------------|-----------|------|-------|-----|-----|------|
| Date: | 12/10/19 | Duration: | 90 min's | Max Marks: | 50 | Sem / Sec: | III A,B,C | | | | OB | E |
| | | <u>A</u> | nswer any FI | VE FULL Questi | ons | | | | MARKS | | CO | RBT |
| 1 (a) | | | | | | | | | [(|)6] | CO1 | L3 |
| | modeled? | | | | | | | | | | | |
| (b) | (b) With the help of neat state diagram, illustrate the working of a telephone calling | | | | | | | g | [(|)4] | CO1 | L3 |
| | system. | | | | | | | | | | | |
| 2 (a) | (a) What is Model Driven Engineering? State the three types of abstract Design | | | | | | | sign | [(| 08] | CO2 | L2 |
| | models recommended by MDA. Distinguish between MDA and MDE | | | | | | | | | | | |
| (b) | (b) Draw a sequence diagram describing data collection of Air Traffic Control system | | | | | | em. | [(|)2] | CO2 | L1 | |
| 2() | | | 7 1 ' C | 1 | 1 . | | | | Γ. | 761 | 001 | τ. Ο |
| 3 (a) | What is Desig | n pattern? I | explain four | r elements of o | iesig | n pattern. | | | Į |)5] | CO1 | L2 |
| (b) | (b) Explain terms i)OO Design using UML ii) context model iii) Dynamic Model | | | | | | | | [[|)5] | CO1 | L2 |
| . , | 1 | | | <u> </u> | | | | | | | | |
| 4 (a) | (a) Discuss the types of testing at various stages of SDLC. | | | | | | | | [(|)5] | CO1 | L2 |
| (b) | What is software | are reuse? S | State the ger | neral models o | of one | en source lie | censes | | 1(|)5] | CO1 | L1 |
| (0) | THE IS SOLOW | are rease. E | tate the gen | iciai models o | ı opt | on source no | conses. | | Ľ | ,,, | | |

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| Date: | 12/10/19 | Duration: | 90 min's | Max Marks: | 50 | Sem / Sec: | III A,B,C | | | | OB | BE. |
| | | <u>A</u> | nswer any FI | VE FULL Questi | ions | | | | MA | RKS | CO | RBT |
| 1 (a) | Draw a conte | xt model fo | r Library M | Ianagement S | yster | n. How the | interactions a | are | [(|)6] | CO1 | L3 |
| | modeled? | | | | | | | | | | | |
| (b) | (b) With the help of neat state diagram, illustrate the working of a telephone calling | | | | | | | | [(|)4] | CO1 | L3 |
| | system. | | | | | | | | | | | |
| 2 (a) | What is Model Driven Engineering? State the three types of abstract Design | | | | | | | | [(|)8] | CO1 | L2 |
| | models recommended by MDA. Distinguish between MDA and MDE | | | | | | | | | | | |
| (b) | (b) Draw a sequence diagram describing data collection of Air Traffic Control system. [02] | | | | | | | | CO4 | L1 | | |
| 3 (a) | (a) What is Design pattern? Explain four elements of design pattern. | | | | | | | [(|)5] | CO1 | L2 | |
| (b) | Explain terms i)OO Design using UML ii) Context model iii) Dynamic model | | | | | | | | [(|)5] | CO1 | L2 |
| | | | | | | | | | | ~ ~ . | | |
| 4 (a) | Discuss the types of testing at various stages of SDLC. [05] | | | | | | | | |)5] | CO4 | L2 |
| (b) | What is softw | are reuse? S | State the ger | neral models o | of ope | en source lie | censes. | | [(|)5] | CO4 | L1 |
| | 1 | | | | | | | | | | 1 | 1 |

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| | | MARKS | CO | RBT |
|-------|---|-------|-----|-----|
| 5 (a) | What is alpha, beta and acceptance testing.? Explain six stages of acceptance testing process | [06] | CO5 | L2 |
| (b) | Explain development testing. Explain the three levels of granularity carried out in testing. | [04] | CO1 | L2 |
| 6 | Draw a neat diagram and explain the four phases and nine workflows of Rational Unified Process (RUP). | [10] | CO2 | L2 |
| 7 (a) | List out all the guidelines for Interface testing. | [03] | CO4 | L2 |
| | Explain Test-driven development (TDD), with a block diagram Explain TDD activities and benefits of TDD. | [07] | CO4 | L2 |

MARKS CO RBT What is alpha, beta and acceptance testing.? Explain six stages of acceptance [06] CO1 5 (a) testing process (b) Explain development testing. Explain the three levels of granularity carried out in [04] CO1 L2 Draw a neat diagram and explain the four phases and nine work flows of Rational [10] CO3 L2 Unified Process (RUP). 7 (a) List out all the guidelines for testing. CO4 [03] L2 (b) Explain Test-driven development (TDD), with a block diagram Explain TDD [07] CO4 L2 activities and benefits of TDD.