



HDF-P3020

Seat No. _____

M. C. A. (Sem. III) (CBCS) Examination

November / December – 2017

Software Engineering

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (a) Attempt following questions : 4
- (1) What is application software?
 - (2) Full form CMMI.
 - (3) Increment model also known as _____
 - (4) Full form of DSDM
- (b) Attempt any one : 2
- (1) Advantage of waterfall model.
 - (2) What is Agility?
- (c) Attempt any one : 3
- (1) Explain dynamic system development method.
 - (2) Explain RAD model.
- (d) Attempt any one : 5
- (1) List Types of Prototyping model explain any one.
 - (2) Explain scrum model in detail.
- 2 (a) Attempt following questions : 4
- (1) Full form of QFD.
 - (2) Use case means _____
 - (3) Who is developed ASD Model?
 - (4) _____ occurred during the late 1980.
- (b) Attempt any one : 2
- (1) What is software requirement?
 - (2) Elements of analysis model.

- (c) Attempt any **one** : 3
- (1) Explain class diagram.
 - (2) Explain user scenario (use case).
- (d) Attempt any one : 5
- (1) What is software requirement? Explain in detail.
 - (2) Explain Elicitation requirement.
- 3** (a) Attempt following questions : 4
- (1) full form of CRC.
 - (2) Who suggest selection characteristic for class.
 - (3) DFD stands for
 - (4) _____ is a representation of almost any composite information that must be understood by software.
- (b) Attempt any one : 2
- (1) What is, analysis?
 - (2) Explain behavioral modeling.
- (c) Attempt any **one** : 3
- (1) Explain domain analysis.
 - (2) Explain object oriented analysis.
- (d) Attempt any one : 5
- (1) List out flow oriented modeling explains any one.
 - (2) Explain CRC model in detail.
- 4** (a) Attempt following questions : 4
- (1) What is coupling?
 - (2) Full form of ISP.
 - (3) What is Abstraction?
 - (4) Definition of Refinement.

- (b) Attempt any one : 2
(1) What is debugging.
(2) What is validation testing?
- (c) Attempt any one : 3
(1) Explain black box testing.
(2) Explain unit testing.
- (d) Attempt any one : 5
(1) Explain class based component designing
(2) Explain System Testing?
- 5** (a) Attempt following questions : 4
(1) Full form of UML.
(2) What is multiplicity?
(3) What is links?
(4) The arrow on the flow graph called _____
- (b) Attempt any one : 2
(1) What is links?
(2) What are associations?
- (c) Attempt any one : 3
(1) Explain generalization.
(2) Explain object diagram.
- (d) Attempt any one : 5
(1) Explain state diagram with example
(2) List out UML diagram and explain any.
-