

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2015

Subject Name: Software Engineering

Subject Code: 2TE04SEE1

Branch: Diploma (Computer)

Semester: 4 Date: 21/11/2015 Time: 2:30 To 5:30 Marks: 70




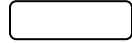
Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1

Attempt the following questions:

(14)

1. _____ is the study and an application of engineering to the design, development and maintenance of software.
a) Software Programming b) Software Planning
c) Software Engineering d) Software Testing
2. Full form of PERT is _____
a) Program Evaluation and Review Technique
b) Program Engineering & Research Technique
c) Project Evaluation & Research Technique
d) Program Execution & Reuse Technique
3. Full form of UML is _____
a) Unique Modulation Language
b) Unified Modeling Language
c) Universal Modeling Language
d) Unified Marketing Language
4. Full form of LOC is _____
a) Line of Code b) Length of Code
c) Line of Control d) None of the above
5. _____ is the process of checking that the software meets the specification
a) Validation b) Verification c) Abstraction d) Testing
6. Which of the following is not a testing method?
a) Black Box b) White Box c) Gray Box d) Blue Box
7. Which of the following symbol denotes 'Actor' in use case diagram
a)  b)  c)  d) 
8. _____ is a process of executing a program or application with the intent of finding the software bugs.



- a) Software Engineering b) Software Planning
 c) Software Testing d) Software Evaluation
9. Which of the following is not a software process model?
 a) Waterfall Model B) Incremental Model c) Spiral Model d) Cube Model
10. Full form of RAD is _____
 a) Rapid Application Development b) Random Access Development
 c) Runtime Application Development d) Real Application Development
11. Full form of GUI is _____
 a) Graphical User Interface b) Group Unique Indemnification
 c) Graphical Universal Interval d) Growing User Interconnection
12. Which among the following is the symbol for **FORK/JOIN** in activity diagram
 a) ● b) ■ c) → d) □
13. Quality Management in software engineering is also known as _____.
 a) SQM b) SQA c) SDL d) SOP
14. Which among the following is not a type of Software maintenance?
 a) Corrective Maintenance b) Adaptive Maintenance
 c) Preventive Maintenance d) Unique Maintenance

Attempt any four questions from Q-2 to Q-8

Q-2

Attempt all questions

- a) Explain Iterative Waterfall Model (07)
 b) Write the job responsibility of software project manager. (07)

Q-3

Attempt all questions

- a) Write a short note on COCOMO Model (07)
 b) Explain Black Box Testing (07)

Q-4

Attempt all questions

- a) Explain Data Flow Diagram with Example. (07)
 b) Write a short note on RISK Management (07)

Q-5

Attempt all questions

- a) Explain Activity Diagram with example. (07)
 b) Explain White Box Testing (07)

Q-6

Attempt all questions

- a) Explain Software Quality Assurance(SQA). (07)
 b) Explain SRS in detail. (07)

Q-7

Attempt all questions

- a) Write Short note on Cohesion and Coupling. (07)
 b) Explain Code Review. (07)



Q-8





Attempt all questions

- a) Define Scheduling. Explain Gantt & PERT Chart. (07)
b) State different types of project size estimation techniques. Explain any one. (07)

pÄ/
É.

nlcena p/Äo na jvab Aapo.

(Éi)

- É. _____ Ae soF3ver na Dlza[n,ivkas t4a =5v`l smjva ma3enl
Aek AePllkexn/AWYas krvanl xaQaa 0e.
a) Software Programming b) Software Planning
c) Software Engineering d) Software Testing
- Ê. PERT nu puru nam _____ 0e.
a) Program Evaluation & Review Technique
b) Program Engineering & Research Technique
c) Project Evaluation & Research Technique
d) Program Execution & Reuse Technique
- Ë. UML nu puru nam _____ 0e.
a) Unique Modulation Language b) Unified Modeling Language
c) Universal Modeling Language d) Unified Marketing Language
- Ì. LOC nu puru nam _____ 0e.
a) Line of Code b) Length of Code
c) Line of Control d) None of the above
- Í. _____ Ae soF3ver nKkl krel Speslflkexn mujbno 0e ke nhl te ckasvanl
p/k/lya 0e.
a) Validation b) Verification c) Abstraction d) Testing
- Î. nlce Aapel me4D ma4l k[3eS3l>g me4D n4l?
a) Black Box b) White Box c) Gray Box d) Blue Box
- Ï. Use Case Dayag/am ma kyo sIMbol 'Actor' ma3e vpray 0e?
a)  b)  c)  d) 
- Ð. _____ Ae p/og/am A4va AePllkexn vDe soF3verma4l wulo
xo6vama3e krvama Aavtl p/k/lya 0e.
a) Software Engineering b) Software Planning
c) Software Testing d) Software Evaluation
- Ñ. nlce Aapela moDI ma4l kyu moDI soF3ver p/oses moDI n4l?
a) Waterfall Model B) Incremental Model c) Spiral Model d) Cube Model
- ÉÈ. RAD nu puru nam _____ 0e.
a) Rapid Application Development b) Random Access Development
c) Runtime Application Development d) Real Application Development
- ÉÉ. GUI nu puru nam _____ 0e.
a) Graphical User Interface b) Group Unique Indemnification
c) Graphical Universal Interval d) Growing User Interconnection
- ÉÊ. Which among the following is the symbol for **FORK/JOIN** in activity diagram



a) b) c) d)

ÉË. soF3ver AeN+nlyrl>g ma> Kvall3l menejmeN3 ne_____na nam4l p`
Ao5qvama Aave 0e.

a) SQM b) SQA c) SDL d) SOP

ÉÌ. nlce Apela ma4l kyo soF3ver me[ne3[n>s no p/kar n4l?
a) Corrective Maintenance b) Adaptive Maintenance
c) Preventive Maintenance d) Unique Maintenance
nlcena ma>4l ko[p` ì p/Äo na jvab Aapo.

pÄ/É. **nlcena p/Äo na jvab Aapo.**

AÝ [3re3lv vo3rfol moDI vIStar4l sm=vo. (i)

bÝ soF3ver p/ojeK3 menejr nl job rISpoNslblll3l lqo. (i)

pÄ/É. **nlcena p/Äo na jvab Aapo.**

AÝ COCOMO moDel vIStar4l sm=vo. (i)

bÝ Blek bo9 3eS3l>g vIStar4l sm=vo. (i)

pÄ/Ì. **nlcena p/Äo na jvab Aapo.**

AÝ De3a Flo Dayag/am]dahr` shlt vIStar4l sm=vo. (i)

bÝ rISk menejmeN3 vIStar4l sm=vo. (i)

pÄ/Í. **nlcena p/Äo na jvab Aapo.**

AÝ AeK3lvI3l Dayag/am]dahr` shlt vIStar4l sm=vo. (i)

bÝ Vha[3 bo9 3eS3l>g vIStar4l sm=vo. (i)

pÄ/Î. **nlcena p/Äo na jvab Aapo.**

AÝ soF3ver Kvall3l AeSyurNx (SQA) vIStar4l sm=vo. (i)

bÝ SRS vIStar4l sm=vo. (i)

pÄ/Ï. **nlcena p/Äo na jvab Aapo.**

AÝ Cohesion t4a Coupling vIStar4l sm=vo. (i)

bÝ KoD rIVyu vIStar4l sm=vo. (i)

pÄ/Ð. **nlcena p/Äo na jvab Aapo.**

AÝ slDyull>g nl VyaQya Aapo. Gnatt t4a PERT caR3 vIStar4l sm=vo. (i)

bÝ p/ojeK3 sa[z AeS3lmexn na vlvl6 p/karo lql ko[p` Aek p/kar vIStar4l sm=vo. (i)



