Form No. Ex- 8

Particulars about the candidate and the subject are checked thoroughly and corrected where necessary.

Invigilator

Sl. No..... 041

CENTRE ROLL:.....

Signature of Officer-in-Charge

KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY

BCA 5th Semester Examination 2014

Course 16

(Software Engineering)

Enrolment Number | | | | | | | | | | | | | **Year** | |

Medium of Answer : | |

INSTRUCTIONS TO CANDIDATES

1. This booklet contains...20..... Pages numbering..19.....
2. An Examinee is allowed to bring only Admission Card and Identity Card to the Examination Hall. Any Examinee found in possession of loose papers, books etc. is liable to be Expelled.
3. Enrolment No. and Medium of answer must be written legibly at the specified places. Examinee's name and any other identifying mark which reveals examinees identity shall not be written anywhere in the script.
4. For Making calculations, only the last page provided for rough work shall be used.
5. No pages of the script be torn out .
6. Calculators will not be allowed for making calculations in the examination hall. ***MOBILE PHONES are strictly prohibited in the examination Centre.***
7. No candidate will be allowed to leave or go out of the hall during the First hour of the Examination.
8. A candidate having completed his/her answer, the script must be handed over, to an invigilator before leaving the hall.
9. Contravention of any of the instructions mentioned above shall render a candidate liable for disciplinary action as per regulations of the University.

Question No.	Marks
Total=	

Examiner's Signature_____

Scrutiniser's Signature_____

Head Examiner's Signature:_____

BCA 5th Semester Examination 2014
Course : 16
(Software Engineering)

Time : 3 Hrs. **Full Marks : 80**

1. Answer the following questions : **1×8 = 8**
   (a) What do you mean by software engineering?
   (b) What are the three major factors in software engineering?
   (c) What is DFD?
   (d) What is the significance of Pseudo Code?
   (e) What do you mean by Data Dictionary?
   (f) What is Coupling?
   (g) What do you mean by Acceptance Testing?
   (h) What is an attribute of an entity?

2. Answer the following questions : 2×8 = 16

(a) How a software product is differ from a program?

(b) What are the basic objectives of feasibility study in software engineering?

(c) Write down the three main activities for system design.

(d) Write any two advantages of Prototype Model.

(e) What are the characteristics of a good software product?

(f) What is Black-box-Testing?

(g) What do you mean by the term ERD? What are its components?

(h) Define the term : Candidate Key and Foreign Key.

3. Answer any five questions from the following : 4×5 = 20

(a) What is SDLC? Why it needs in developing software product?

(b) Explain the different components of DFD.

(c) Explain the different strategies of software testing.

(d) Define Module. What are its specification?

(e) Write a short note on software maintenance phase.

(f) Define the term abstraction and decomposition of software engineering. What is its significance?

4. Answer any two questions from the following : 8×2 = 16

(a) What do you mean by the term SRS? Explain the advantages of software engineering.

(b) What is Spiral Model? Discuss its advantages and disadvantages.

(c) What do you mean by System testing? Define Integrating Testing. How top-down integration is different from the Bottom-up Integration? Explain.

5. Answer any two questions from the following : $10 \times 2 = 20$

(a) What do you mean by Waterfal Model? Explain its different phases.

(b) How coupling is differ from cohesion? Explain different types of cohesion.

(c) What do you mean by the term System analysis? Explain the various roles of a system analyst in software engineering.