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Roll No. ....

Total Questions : 13 ]

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**18027**

B.C.A. VIth Semester Examination, May-2019

**INFORMATION SYSTEM ANALYSIS  
DESIGN AND IMPLEMENTATION**

(BCA-602)

**Time : 3 Hrs. ]**

**[ M.M. : 75**

**Note :-** Attempt all the Sections as per instructions.

**Section-A**

**(Very Short Answer Type Questions) 3x5=15**

**Note :-** Attempt all the *five* questions. Each question carries 3 marks. Very short answer is required not exceeding 75 words.

1. What are the various duties performed by DBA ?
2. What are the feasibility analysis check points in the development cycle ?

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Turn Over

3. Explain various characteristics of a system.
4. State the benefits of E-R diagram.
5. What is project scheduling ?

**Section-B**

**(Short Answer Type Questions) 7½x2=15**

**Note :-** Attempt any *two* questions out of the following three questions. Each question carries 7½ marks. Short answer is required not exceeding 200 words.

6. Explain the SDLC with diagram.
7. Explain the software, product and process quality with example.
8. Describe the key concept of object oriented model.

**Section-C**

**(Long Answer Type Questions) 15x3=45**

**Note :-** Attempt any *three* questions out of the following five questions. Each question carries 15 marks. Answer is required in detail.

9. What is structured system analysis and design ? Explain the process of SSAD.

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10. (a) What do you mean by Joint Application Design (JAD) ?

(b) What are the various advantages and disadvantages of waterfall model ?

11. Differentiate between :

(i) Direct and Indirect Costs

(ii) Fixed and Variable Costs

(iii) Opportunity and Sunk Costs.

12. (a) Differentiate between PERT and CPM.

(b) Differentiate between project planning and project monitoring.

13. Write short notes on the following :

(i) Decision tree

(ii) Sequence diagram

(iii) Line of code

(iv) Function point metrics

(v) Attribute.