



**Gujarat Vidyapith**  
**Department of Computer Sc.**  
**(Faculty of Management and Technology)**

**MPhil / Ph.D. Entrance Exam**  
**Paper Style**

**(Effective from JUNE – 2017-18)**

**Que. 1 Multiple Choice Questions** **15 Marks**  
**(15 Questions –each of 1 mark)**

1. Research Methodology and Statistics
2. Information and Communication Technology  
(Basic Knowledge of Computer)

**Que. 2 Short Questions** **15 Marks**  
**(3 Questions – each of 5 marks)**

1. Research Methodology and Statistics
2. Current Trends
  - a. Object Oriented Programming Methods
  - b. DBMS
  - c. Data Structure
  - d. Software Engineering

**Que. 3 Descriptive Question (1 Question)** **10 Marks**  
1. Research Methodology and Statistics

**Que. 4 Descriptive Question (1 Question)** **10 Marks**  
1. Current Trends

- a. Object Oriented Programming Methods
- b. DBMS
- c. Data Structure
- d. Software Engineering

**Books:-**

1. Research Methodology: Methods and Techniques by C.R. Kothari New Age International Pvt. Ltd.
2. Object Oriented Modeling and Design by James Rumbaugh
3. An Introduction to Database System by C. J. Date, Publisher Pearson,
4. An introduction to Data Structures with applications By Tremblay & Sorenson  
Pub: Tata McGrawHill
5. Data Structures - By Tanenbum
6. Software Engineering - A Practitioner's Approach by Roger Pressman

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