

QP Code : 2166

(3 Hours)

[ Total Marks : 100

- N.B. :** (1) Question No. 1 is **compulsory**.  
 (2) Attempt any **four** questions out of the remaining **six** questions.  
 (3) **All** question carry **equal** marks.

1. Answer following in brief. 20
- (a) Explain REST.
  - (b) How does one digitally signed document?
  - (c) What is https protocol and why it is unsafe to send payment details on it?
  - (d) Explain various e-cash options.
  - (e) What is CAPTCHA?
2. (a) Explain various ways of handling sessions. 10  
 (b) Explain Shopping cart and Catalog system used by any E-commerce website. 10
3. (a) Explain SET protocol with a neat diagram. 10  
 (b) Explain process of digitally Signing and Verifying process for a Text Document. 10
4. (a) Discuss E-Commerce models by giving suitable examples. 10  
 (b) What is SEO and what is its role in E-Marketing? 10
5. (a) What is Electronic Data Interchange? Explain its components. 10  
 (b) What is Supply Chain Management? Explain in detail 10
6. (a) What is Web Crawler? Explain the operation of the web crawler. 10  
 (b) What is a search Engine? Explain its operation of finding search results. 10
7. Write short notes (any two) 20
- (a) Remote Agents based Technology
  - (b) AJAX based login and password verification.
  - (d) Secured Socket Shell (SSL) protocol.
  - (e) E-Governance.