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Total No. of printed pages: 02

[23-A]

SARDAR PATEL UNIVERSITY
M.Sc. (Information Technology)
Semester – II External Examinations
PS02EINT03 (Trends in ICT)
29th October, 2016 (Saturday)

Time: 10:00 AM to 01:00 PM

Max. Marks: 70

Q-1 Choose most appropriate option for the following:

[08]

1. _____ script is executed by web browser.
A. Client-side
B. Server-side
C. A and B both
D. None of these
2. IPV6 requires MTU to be atleast _____.
A. 1028
B. 1280
C. 1820
D. 1208
3. The full form of J2ME is _____.
A. Java2MicroEdition
B. Java2MyEdition
C. Java2MicrosoftEdition
D. None of these
4. CPU is the _____ of the computer.
A. Brain
B. Blood
C. Heart
D. All of these
5. _____ is a specification for the use of the low power radio communication to Wirelessly link, computers and other devices.
A. IPV6
B. Bluetooth
C. IPV4
D. Hopelimit
6. _____ is a kind of memory available nearest to processor.
A. ROM
B. RAM
C. CACHE
D. VIRTUAL
7. _____ register store result of arithmetic and logical operations.
A. RI
B. PSW
C. ACC
D. None of these
8. PCDATA means _____.
A. Pocket Data
B. Partial character Data
C. Parsed Character Data
D. None of these

Q-2 Write answers in short: (ANY SEVEN)

[14]

- a. Define: Website and Web server.
- b. Explain ALU in brief.
- c. What is Register? List different types of register.
- d. Define: Encryption and Decryption.
- e. List various advantages of J2EE.
- f. Differentiate between CRT and LCD.
- g. Define: Virus and Worm.
- h. Explain grid computing in brief.
- i. Explain piconet in brief.

- Q-3** A) Write a note on WSDL protocol. [06]
B) Write a note on Multicomputer. [06]
OR
B) Explain real-time operating system. [06]
- Q-4** A) Distinguish between L1, L2 and L3 cache. [06]
B) Explain client-side scripting with its advantages and disadvantages. [06]
OR
B) Explain server-side scripting with its advantages and disadvantages. [06]
- Q-5** A) Differentiate between IPV4 and IPV6. [06]
B) Explain *ANY SIX* Bluetooth profiles. [06]
OR
B) Write a note on Firewall. [06]
- Q-6** A) What is Servlet? List and explain advantages of Servlet. [06]
B) Explain IPV6 Base header. [06]
OR
B) List and explain different types of computer viruses. [06]

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