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SECTION - B (Marks 39)
  Note: Section - B consists of following
  topics of the syllabus:
      Overview of computer
     Computer Memory
     Central Processing Unit
  3.
     Inside System Unit
  4.
      Answer any SEVEN parts. All parts
Q.2
      carry equal marks. (7 \times 3 = 21)
      Give any three application
                                     areas of
(i)
       supercomputers:
(ii)
       What is IoT (Internet of Things)?
       Write any three differences between DRAM
(iii)
       and SRAM.
       Why data access time in sequential access
(iv)
       devices is more than that in random access
       devices.
       Give any three advantages of using flash
(v)
       memory.
       What is the function of control unit in
(vi)
      a computer?
(vii)
       Give any three differences between CISC
       and RISC architectures.
(viii) What is the function of Brown in computer?

(ix) What is the function of SATA interfa
                            of SATA interface
(x) When prother board?

(x) We any three differences between SIMM
       and DIMM.
        SECTION-C (Marks 21)
  Note: Section - C consists of following
  topics of the syllabus:
  5. Network communication Protocol
  Wireless Communication
  7. Database Fundamentals
  8. Database Development
Q.3
     Answer any SEVEN
                             parts. All parts
       carry equal marks.
                                 (7×3 = 21)
(i)
       Define any three
                              basic network
       components.
(ii)
       Give one example each of simplex,
      hulf - duplex and full - duplex
      communication modes.
 (iii)
       Give any three characteristics of VPN
       (Virtual Private Network).
 (iv)
       Give any three advantages of wireless
       networks.
 (V)
     What is Wi-Max?
       Give any three limitations of mobile
 (vi)
       communication systems.
 (vii)
       Give any three advantages of DBMS
       over file management system.
(viii) A company sells many products to their
       customers. There are many suppliers who
       supply various products. Draw an ER-
       diagram of hentities; Company, Supplier
     Oustomer.
       Differentiate between cardinality
       modality.
(x)
      Give any three advantages of using Forms
      in Access database.
        SECTION-D (Marks 18)
Note: Attempt any THREE questions. All
      questions carry equal marks.
                                 (3 \times 6 = 18)
     What is a computer software? Explain
      System software and Application
      software in detail by giving examples.
                                       (1+5)
      What is secondary memory? Explain
Q. 5
      any two secondary memory devices in
      detail.
                                       (1+5)
     Describe the purpose of the following
Q. 6
      types of ports in a computer system,
                                    (2+2+2)
       Give any three characteristics of VPN
 (iii)
       (Virtual Private Network).
 (iv)
       Give any three advantages of wireless
       networks.
 (V)
       What is Wi-Max?
 (vi)
       Give any three limitations of mobile
       communication systems.
       Give any three advantages of DBMS
       over file management system.
(viii) A company sells many products to their
       customers. There are many supplied who
      diagram of Company, Supplier
(ix) Differentiate between cardinality
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and

 $(3\times6 = 18)$

(1+5)

(1+5)

(2+2+2)

(01+03+02)

ii. Fire Wire port

modality.

in Access database.

Give any three advantages of using Forms

SECTION-D (Marks 18)

Note: Attempt any THREE questions. All

Q. 4 What is a computer software? Explain

software in detail by giving examples.

System software and Application

What is secondary memory? Explain

any two secondary memory devices in

Describe the purpose of the following

What is network topology? Explain Star,

Ring and Bus topologies with suitable

types of ports in a computer system,

USB port

HDMI port

questions carry equal marks.

(x)

Q. 5

Q. 6

detail.

diagrams.