MERIT PAPER – 04 SCHEME

01) ii
02) iii
03) iv
04) ii
05) v
06) i) a – Select books + quantities
   b – enter credit card details
   c – price
   d – receipt
   e – reply for security questions
   f – SMS notifications
   g – transaction status
   h – encrypted credit card details + total price

   ii) i – select book + quantities
   ii – receipt
   iii – process booking / ordering
   iv – book status / book price
   v – Customer
   vi – accuracy status
   vii – transaction status

   iii) Functional requirement – B , D , E , F
   Non- Functional requirement – A , C , E , G , H

07) a) In Memory management all process and programs are divided into small block known as segments
   Compaction Is essential in relocating there files and data as a complete program

   b) (a) Long term scheduler
   (b) mid term scheduler
   (c) short term scheduler

   c) velocity , veracity, variety , volume
   Decision making are not always accurate
   Complexity

   d) increased speed and performance

Improved scalability
Enhanced problem solving and simulation capabilities
Cost efficiency
Increased reliability and fault tolerance

e)

SRAM	DRAM
Known as cache memory	Known as main memory
Made up using flip flop/ transistors	Made up using capacitors
Faster access	Slower access
Expensive	Cheaper
Low density	High Density
Doesn't need periodic refreshing	Need periodic refreshing
Used in microcomputer	Used in microprocessors
Lower power consumption	Higher power consumption

f) 60 + x = 11000000
    x = 132
Answer x in binary = 10000100