1. The coprocessors operate in ______ with a processor on the same buses and with the same instruction _______. 
   a) Parallel, byte stream.  b) Series, byte stream.  
   c) Series, bite stream  d) Parallel, bite stream.
2. Why 8087 is referred to as Coprocessor? 
   i) Because 8087 is used in parallel with main processor in a system, rather than serving as a main processor itself. 
   ii) Because 8087 is used in serial with main processor in a system, rather than serving as a main processor itself. 
   iii) Because main Microprocessor handles the general program execution and the 8087 handles specialized math computations.  
   a) i & iii   b) ii & iii  c) iii only.  d) i only.
3. 8087 connection to 8086, to enable the _______ bank of memory _______pins are to be connected.  
   a) Lower, BHE  b) Upper, BHE  c) Lower, INT  
   d) Upper, INT.
4. ____ Connection and the _______ instruction will solve the problem of synchronization between processor and coprocessor.  
   a) INT & NMI, WAIT  b) RQ/GT₀ & RQ/GT₁, FWAIT  
   c) BUSY & TEST, FWAIT  d) S₀ & QS₀, WAIT
5. _______ input is available, so that another coprocessor can be connected and function in _______ with the 8087.  
   a) RQ/GT₀, parallel  b) RQ/GT₁, parallel  c) QS₁ & QS₀, parallel  
   d) S₀ & S₁, parallel.
6. In 8087, _______ many register stack are there? And of _____ registers. These registers are used as _______ stack.  
   a) 7, 40 bit, FIFO.  b) 8, 60 bit, LILO.  c) 8, 80 bit, LIFO  d) 7, 80 bit, FILO.
7. If _______ and _______ connections are made so that an error condition in 8087 can interrupt to the processor.  
   a) BHE, RQ/GT₁  b) BUSY, TEST  c) INT, NMI  d) RQ/GT₀, RQ/GT₁
8. In 8087, which instruction is used for division real reversed______.  
   a) FDIV  b) FIDIVR  c) FDIVR  d) FDIVRP
9. Which of the following is of compare instruction in 8087?  
   a) FTST  b) FPREM  c) FPATAN  d) FLDI
10. In 8087 coprocessor one of the following instructions is not valid  
    a. FSIN  
    b. FPTAN  
    c. FIDIV  
    d. FSQRT
11. One of the following signals belongs to the 8087 coprocessor is  
    a. HOLD  
    b. BUSY  
    c. TEST  
    d. NMI
Key:

4.1 A  4.2 A  4.3 B  4.4 A  4.5 B  4.6 C
4.7 C  4.8 C  4.9 A  4.10 A  4.11 C