QP code: 22844 Solution Set I

Microprocessors, Sem V, Biomedical Engg

Dec 2017.

Q1. a) Any 5 pts of comparison [5×1 mrk each]

b.) FDIV with example → 2½ mrks
FLD with example → 2½ marks.

c) Register used for B/S → 2 mrk.
Explainat° → 3 mrks

d.) Interfacing diagram → 3 mrks
Explanat° → 2 mrks.

Q2. a) Interfacing diagram → 6 mrks
Memory Map → 4 mrks.

b) Explanation with example of each data type → 2 mark each
(5×2 = 10 mrks)

Q3. a) Timing diagram with all the control signals & in min mode. (10)

b) proper use of assembler directives (2 mrk)
~~pgm~~ program (8 mrks)

Q4. a) Explanat° of maskable & non maskable interrupts → 4
Expl° of IVT → 6 mrks

b.) Any 8 points of comparison → ~~5×2~~ 10 mks

PTO

Q5. a.) Assembler directives (appropriate) → 2 mrks.
logical code → 8 mrks.

b) Each feature → 1 mrk.

Q6. 1) block diag of 8258 → 2 mrks
Explan^{n} → 3 mrks

2) All segment to be mentioned →

3) Control word → 2½ mrk.
Status word → 2½ mrk

4) Exceptions in 8087 → 5 mrks

5) Calc. of physical addr → 2 mrks
Example → 3 mrks.