(Eun Sem)

CG251 - Gystem Programming - 2021-2022

Mrd Semister Examinations: Key.

QI.

Logic of Surcessive addition — 8

(0s will as 1310 features)

Starting address - 3000. — 1

Multiplier & multiplicand in memory. — 1

Product in memory.

Product to output device. — 1

Overall — individuality — 3

15

Q2.

Address assignment - 3

Object rode generation for each instruction. - 4.

Constants - Object rode) internal representation. - 1

Object Program writing = + 2 } +.

Output - end of Pass 1 - SYMTAB, intermediate 3 - 2

Output - end of Pass 2 - 1

15).

LDA OO. ADD 18 28 RSUB 4C COMP OC J 3 C STA TD EO P.T. O. 30 JEQ. 34 2 C JGT TIX 38 DC JLT 2 48 JSUB

Q.3 a) RSUB

400000. 450000.

11110000

- b) TIXR T
- e) STCH BUFFER,X
- d) + LDT #4096.
- e) BYTE C'EOF'
  45 41-46.

2x5=(10)

- 7- a. 3 points xp = 3 marks
  - b) Relativi. \_ 1 Justification - 2.
  - e) Proposal with newssary justification. (+)