ASSIGHMENT NO: 01

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DEPARTMENT: BS(CS)

SUBJECT: MICRO PROCESSOR & ASSEMBALY

LANGUAGE

SEMESTER: 5th

SUBMITTED TO SIR AMEEN

Q2: Explain the concept of postability ou it explied to programming languege? ANS: A lenguge whose source programm europe compiled and sun on a wide varity of computer syestem is said to be postable. Q3: Give the example of em embeded syestem expedicention. Aw: Same example of embeded syestem expediention are ento & mobile fuel ignition syestem ens conditioning control syestem security syestem, flight control Syestern; havid-held computers modems, printess and other. interrigent computer pripherculs.

2 D Qs: why would a high-level langue not be an ideal tool for writing a programm that directely access a particular brand of printer. A high level longuye may not be provide for direct herrdware encare Even if it does awknowd eading tecnique must often be used resulting in possible mentance problem QNO4: what is a device driver? Any Device driver are programs that transderte general operating syestem Commends into specific reference to harsdusere details that only the maine fereture knows

(2) QNo1: what is the realitionship bran high level language and marchine languye: Aug: High level lenguje programm must be translated into machine languye before they ean be excuted machine language instruction evore encoded aces binesy numbers that are meant to be used by a machine not seed or written syntax that is ecloser to human languye. QNO6: Toamslate the following ett expression to assembly language using the example presented evolves in this chapter as a gude? X = (Y * 4) + 3Code for the expression Au: x = (x * 4) + 3max can x ; nuv y to SAX may charly inave 4 to EBS

4 pall ebu ; EAR = EAX add cares : add 3 to may x call; more care to x. Q8: why was invented? AUL: incode is a universal computing standard to represent text in most writing syestem it was invented to Store most of the words chardenters It is stanted during 1927 Q7: In your own words describe the vistual machine concept? AKI: vistual machine concept comparter are constructed in layer, so hert each larger represented a translation leger form from a high-level instruction set to a lower devoil instruction set

(5) Q10: what is the hexadeciment representation 07 the binary number 1100 1111 001 0 111? AM: (CF57)16 AUS QNO 11: What is the binary representation 07 the hexadecimail number? Auto ESB ESB6AED7? AUL: (1110 0101 1011 0110 1010 1110 1101 0111/2 QNOIS: cocate a touth table to show all possible input and output for the Boolean Function described by (AVB) AM: execute a table - (XVX) T F T u F F TT T T F F F T

6 , QN0 (16) (16) What is the varlace of the Boolean expression (TAF)VT Ans . T F TAF (TAF)VT 1 0 0 1 0 1 0 1 0 0 0 1 0 0 0 QN0:14: what is deciment representation of each of the following unsighted binesy integer 1111000? Au 1x2 + 1x2 + 1x2 + 1x2 + 1x2 + 1x23. +0+0+0 => 128+64+32+16+8+0+0+0 => (248)16

 $\overline{\mathbf{7}}$ 2 (13) whent is the sum of the Binesy integers? 00001111 + 00001111 ? 000001111 t 00001111 (000011110) (00.0011110) AUS QNO:12 what is unsinged decimal representation of each of the Tollowing hexadecimal integer 3A? AKI: Aug 58