single - precisi

```
40
56
50
93
```

```
40. convert each decimal no. to hex.
                                     (c) 33
   (a) 8
                  (6) 14
    B = 0.5 × 10 + 8 10 = 0.875 + 16 = 14 10 = 2.0625 + MISONE
   S. E.
                                      10 . 125 - 165 - 16 2 - min
                                  21,000
  (d) 52 (e) 284
                                      (1) 2890
   10 = 3.25 - 357 16 = 4 284 = 17.75 - 75 P16 = 12 10 = 180,625 - 685 16 = 10
  10 = 0.1875+.1875×16=3 10 = 1.0675+.0675+16=1 16= 11.25-1.25=16= 4
    3416 To = 0.0025 + 0.0025 + 0.6875 + 6875 + 6875 + 6875 + 11
                        11Cb BYAN
  (9) 40 19
                             (h) 6500
   251 = 15,6875 → .6875 × .4 = 11 400 = 25,375 → .375 × 6
   1= 0,9375 → .9375-16 =15
                           25 = 1.5625 +.5625 = 16 = 9
       FB3 16 = 0.0625 + .0625 = 16 = 1
                                    1964
  section 2-10 Binary coded Decimal
50 convert each BCD numbers to decimal
          (b) 0110 (c) 1001 (d) 0001 1000 (e) 0001 1001
 (f) 0011 0010 (g) 0100010] (h) 10011000 (i) 100001110009
     32 45 98
 Jection 2-11 Digital Codes
So. convert each binary to Gray code:
  (a) 11011 (b) 1001010
                             (4) 1111011101110
   1-4-1-4-1-4-1-4-
                1 + 0 + 0 + 10
                               1+1+1+0+1+1+0+1+1+0
                              1 111 111 1111
  10 110
                             1000110011001
```

57 convert each Gray to Binary (a) 1010 (b) 00010 (0) 11000010001 60. Decode ASCII coded message 19 strings 13- r 1- H 5-0 9-0 17 -0 2-e U- . 10-w 14- e 18 - 0 3-1 7- "space" 11- "space" 15- "space" 19- ? 4-1 8- H 17- a 16- 4 Hello. How are you? Section 2-12 Error Codes 63. Determine which of the following even parity codes are in anter errors (a) 100 110010 I's in even parity are 4 no error because even noi's of 1 parity code is correct (b) O11101010 1's in even parity are 5 an error be odd noi's of 1 parity code is incorrect (c) 10111111 010001010 1's in even parity are 10 no error recause even no's of 1 parity code is correct