1) convert the following numbers from base 10 to base 16.

i) (2020)10 → ()16

16/2020 A-10 16/126-4 B-11

D TIVU PIE - 14

D 7E4 6- 01

(2020)10 = (7 E4)16 ii) (2020. 65625)10 -> ()16

w.k.t (2020)10 = (764)16

.. for fractional part (0.65625)10.

By using multiplication method,

0.65625×16 = 10.5

0.5 × 16 = 8.6

from here, we took fractioned part i.e,

(0.65625)10 = 0.108 = 0.A8

.. (2020.65625)10= (7E4.A8)16

(iii) (172)10 → (716 01) 16 172

·· (172)10 = 1012

PUT (0.6875) 10

(0105) = ACJ (280)

.. (172)10 = (Ac)14

(E8P. 8F1) (Vj

w.k.t Real part (172)10 = (AC)16

... for fractional parit,

(0.983)10, By using multipli-

cation method,

0.983 ×16 = 15.728

0.728×16 = 11.648

0.648×16 = 10.368

0.368x16 = 5.888

from here, we took Real part,

(0.983)10 = 0.15 11 105 1 = (0. FBA5)16

-- (172.983)10 = (AC.FBA5)16

(2) convert decimal number 49

in to hera decimal.

(49)10 -> (-)161(2F3)

3-1 7-21-01

= (49)10=(31)16

(3) convert 122810 in to hera

(122810)10 -> ()16

16 122810 7675-10 = A 6

479 - 11 - B 29 - 15 = F

- 13 = D 701 1

: (122810)10 -> (IDEBA)16

4) convert 60010 into hexa decimal number

A) (60010)10 -> ()16

16 60010 16 3750-10 = A 234 - 6 14 - 10 = A

=. (60010)10 = (EAGA)16 /

5) convert the decimal number 1542 in to hera decimal number.

A) (1542)10 -1 ()16

16 1542

·· (1542)10 = (606)16

(6) what is the hexa decimal equivalent of the decimal number [175]10

[175]10 - ()161)

16 175 10-15 -> F. 1-8

.. (175)10 = (AF)16 //

number to hera.

ci, 105 (105)10 - ()16

16 6-9

-: (105)10 = (69)16

(ii) 450 (450)10 - (), (150)10

= (1 C 2) 16 "

(iu) 199 (199)10 - ()16

16 [199 c = 12 -7

-: (199)10 = (C7)16 "

(1v) 3000 (3000)107 ()

16 3000 16 187 = 8.1000 11 - 11 - 18 0 2000

:. (3000)10 → (BB8)16

(8) convert the following numbers
from base 10 to base 8.

ci) (1032)10 (1032)10 → ()

8 103 L 8 129-0 8 16-1

· (1032)10 - (2010)8

(i) (1032.6875)10 (1)8

w.K.t Realpart

(1032)10 -> (2010)

:. we took fractional part (0.6875)10

. Forn multiplication method, 0.6875 ×8 = 5.5 0.5 x8 = 4 : (0.6875) 10 = By taking real part. = 0.54 ·· (1032.6875)10 = (2010.54)8 a) convest (172/10 to ()8 : (172)10 = (254)x 10) convert (172.878)10 to () w.K.t Real part (172)10 = (254)8. : we took fractional part (0.878)10 from multiplication method, D.878x8 = 7.024 0.0248 = 0.192 0.192 x8 = 1.536 0-536x8 = 4.288. : (0.878)10 = By taking real point = 0.7014 (PIOF. 428) = 01(8 E8. C. F1) : (11) convert (187) to octal.

(127)10 - 127 ()

216

8 15 - 7	W.
·· (127)0 = (177)8	4
12) Edeptify the IP address of	Y
class identification.	
classes Range	V
class A o to126	
128-191	
class c	
class D 224 - 239	
dass E 246-255	
i) 10.250.1.12216. Limit of class A' Range is from 0-126. By observation 10.250.1.1 belongs to "class A". ii) 193.42.1.1 Limit of class & Range is from 192-223	The state of the s
By observation 193.42.1.)	
belongs to "class c"	١
(iii) 249.240.80.78	
Limit of class & is flange is from 240-255	
∴ By observation 249.240.80.78 belongs to 'class €'	8
(iv) 215. 45.45.0	

Limit of class c is Range is

from 192 to 223.

belongs to "class c"

V) 33.0.000 Limit of classifi Range is Born 0-126.

belongs to 'class A'

Limit of class & Range 13

belongs to class B'

belongs to "class A."

Limit of class & Early 12

Propriet codevested po.

tions of day 8 is funge in

1000 340 - 322

81-08 0 br. bbs off

1104