Question # 02

(a)

=) arrange from smallest to Largest 31,38,39,39,42,42,45,47,48,48,48,52,52,53,54,55, 57,59,60,61,64,64,66,66,64,68,68,69,71,71,74,75, 77,79,79,79

:. Qi = i(n+1)

Q1= 1(36+1) = 9.25 = 9th + 0.25 (10th-9th) = 48+ D-25 (48-48)

 $Q_2 = 2(3644) = 18.5 = 184h + 0.5(194h - 184h).$ = 59+0.5(60-59).

= 59.5

Q3 = 3(36+1) = 27 75 = 27th + 0 75 (28th - 27th) = 68 + 0-7-5 (69-68)

= 168:75

(6) IOR = 93-01

= 68-75-48

= 30.45

50% of ages very by about 20.5 years

The five number consist of Summory

Minimum: 31

Modimen:

79.

010 48

Q3: 68-15

02: 59.5

			D	ate:
50% of millionaries 50% of millionares 75% of millionares	hove ag have ag hove ago	e of e of	atrost asmost	48 years. 595 years 68.5 years
Uppel limits = Q3 + 1 = 68.5+ = 199.87	5.			
Lower Limit = $01 - 48 - 16.87$	1.5 (20	R).		
There is no outlier somple are between	1 /	iuse 75 ci	all doto	w values in
lower	0,	02	93.	upps. Limi
15 20 125 30 35 316 (Yight	3Kewe a	60 6	1 1 1	50 55 90 95

Duestion # 03.		
20058641 # 03.		
a) Complete a graph.		
1-35 1-25 1-5 1	X+5 X+25	X+35.
		1
183 31.7 45-1 58.5	41.9 85.3	98.7
X => 58.5 S => 13.4		
X-2s = 58.5-2(18.4)		
= [31-7]		
V-S = 58.5 - 18.4		
= 45-1		, in the second
= 71.9		
(+35=58.5+3(134)		
= 78.7		

20K-047	7			
			Date:	
Question # 04.			1	
FUEL TANK (CAPACITY:	a 45		
class.	f zi fizi xi-x	(X-X)	C H	
12 Tess thon 14	3 A.98 x 9 -70		2 0.057	
14 less than 16.	6 1495 89.7 -5.0	25	8 0.171	
16 less than 18	7 16 95 48 65 -30	9		
18 less than 20	6 1895 113.7 -1.0		210171	
20 less than 22	6 2095 057 1.0	9	30 0.95	
22 less than 24	3 2295 68 85 3.0	25	33 0.085	
24 less than 26	3 2495 7495 5.0	49	35 0:0511	
26 less than 28.	0 000	168.	1	1
- Total =	35 1995 67 X 1.0	100.		NY
	• 1	75.	(d).	N. P.
£ 10	e)			
8-	<i>b</i> •		112	
7 - 1/2	0		1/2/2	
6	W. 0-		4/1/2 -	PAL
5 / /	0		0/03/07/	
4 1 1/1/2	0.1		789777	
3 1/1/20	0	OK .	Market	-
	1/1/1/1/2 00		11/1/2	
12/1/2012	111100	4- 7		13
	199 217119 259 24 9.		444	10
elass				
			किन विन् विन विकास	PA DA
Mean = Efixi	Median = L+h, /n	·-c)	eless	712
£fi 19126			Varience = E(xi-	X
= 67125	= 1795+2/35	2 11	= 168	
= 19.179				
7/1/1/	= 18-7833		24	1
			= 14.9411	

Date	

Cheose	Comsump-	tion:			
		(a	5	5)

	1	Pelative frequency
class	Frequency	Reladise frequency
20-22	2	0.086
23-25	3	0.114
26 - 28	4	
29-31	7	0.2
132-34	6.	0.17/
35-37	5	0.143
38 -40	3	0.086
41-43	3	0.086
44-46.	2	0.057
Total	35	1

Class Barday	C	Xi-X	Xi	-F1X1	(Ki-X)
19.5 - 22.5	2	-12	21	42	144
22.5-25.5	3	-9	24.	72	81
25-5 - 28-5	9.	-6	27	108 433	36
28.5 - 315	15	-3	30	210	9
31.5 - 34.5	22	6	33	198	10
345 - 375	307	3	36	180	9
37.5 - 40.5	380	6	39.	117	36
405 - 43.5	33	9	42	126	2/
43.5 - 465.	35	12	45	90	144
			Sfix =	1143	540

Meon = $\leq fi \times i$ Medicn = $1 + h/f \left(\frac{n}{3} - c \right)$ Varkace = $\leq (\times i - 1)$ = 1143 = 315 + 3/(38 - 16) = 540 = 32.65 = 30.75 = 15.88

Date: (0) 19.5 225 25.5 285 315 34.5 37.5 Class. (d) 0.14 002 195 225 255 285 25 345 375 005 45 T 46 T Class

			Date:
Mandage	0.00	the latest production of the latest party and the l	
Number	of Siblings		
	1 (a	ξ b.)	
		7/4. 5/2	
Dator	+ RF Xi-	-X (xi - x)	
0.	8 0.2 2	4	
1.	17 0-425 1	/	
2	11 0-295 0	0	
3	3 0075 1	/	
	1 6.025 1	1	
total =		7	
10764 =	40 1		V III
	(-1		(8)
	(a)		
30		30.5	
Robert 10		62 0-4	
20		\$ 0.3	
25/1		502	
		201	
0 0	1 2 3 4		
	Pala	. 6	Paka 3 9
			ram
Moan =	0+1+2+3+4		
	-		
-[2		
Median =		4	30 (/)
(n+1) 7		3rd	
11/11/17) 0	
(3 /	(12)		
	27:1-12		
Varionce	$= \angle (2i - \overline{2})^2$		
	n-1		
	= 7		
	5-1	N	
	= [1-75]		