

| 10 4417                  |  |
|--------------------------|--|
| (Ans no:- (4)}           | in le  |
| v = 1.01K                | A residence of the second seco |
| v = 3984                 | 100 Km   |
| r = R+h                  |  |
| r = 6400 +               |  |
| Formula 2TR              |  |
| V 2\ / 2                 |  |
| <u>a(3.14)(39</u>        | 1041007  |
| 1:61                     |  |
| = 2,427 Day              | <b>ys</b> .  |
| (Ams no: - (3))          |  |
| we know                  | tot  |
| W= mg                    | WIN STATE  |
| claustor accelerating    | upward with (a) 9:   |
| 0 2 9 0 2                | the last of the  |
| F=ma                     |  |
| F = mg + ma              |  |
| F= 2mg                   |  |
| W = 2mg                  | The state of the s |
| W' = 2W                  | The state of the s |
| P608 F :-                | Lo C   |
| · lelevator at rest W=   | mg   |
| ·) elovatur acceleration | g upward f=ma=ma   |
| ·) Weight (W) = 2m       | g = 2W   |
| [Ans no: (s)]            | I fair non till  |
| r = COMT                 | That's why groster   |
| 47                       | satellite ici speel  |
| 6 = 6.67                 | approximately  |
| M= 24Kg                  | 35,793 Km.   |
| T = 86,400 seconds       |  |
| , =42,164Km              | The second second  |
| B = 6,371Km              |  |
| h= r-R => h= 35,7°       | 13 Km  |