

(A) Magnitude of satellite's acceleration at point c is larger than ^{the} magnitude of acceleration at the point a.

(B) The satellite's speed at c is larger than its speed at A

(C) Point - A

a_y will be negative

a_x will be 0

(D) Point - B

a_y will be 0

a_x will be negative

(E) Point - C

$a_x = 0$

a_y will be +ve

(F) (b) 17500N

(a) at poles of earth

(3) (a) 5 sec

(4) (c) 8T