TOPIC
Mathematics – Section I – Question 23

QUESTION
The distance covered by a body going in a straight line is
$$S = 20t^3 - t^4$$
The acceleration at $t = 2$ most nearly is
  (A) 36
  (B) 144
  (C) 192
  (D) 208

HINT
The velocity is
$$v = \frac{dS}{dt}$$
and the acceleration is
$$a = \frac{dv}{dt}$$

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