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Q.1 We reached the station late, and _ missed the train.
(A) near
(B) nearly
(C) utterly
(D) mostly

Q.2 Kind : _ : : Often : Frequently
(By word meaning)
(A) Mean
(B) Type
(C) Cruel
(D) Kindly

Q.3 A series of natural numbers □1, □2, □3, □4, □5, □6, □7, ... obeys □□+1 = □□ + □□−1 for all integers □ ≥ 2 .
If □6 = 37, and □7 = 60, then what is □1 ?
(A) 4
(B) 5
(C) 8
(D) 9

Q.4 A survey for a certain year found that 90% of pregnant women received medical care at least once before giving birth. Of these women, 60% received medical care from doctors, while 40% received medical care from other healthcare providers. Given this information, which one of the following statements can be inferred with

certainty?
(A) More than half of the pregnant women received medical care at least once from a doctor.
(B) Less than half of the pregnant women received medical care at least once from a doctor.
(C) More than half of the pregnant women received medical care at most once from a doctor.
(D) Less than half of the pregnant women received medical care at most once from a doctor.

Q.5 Looking at the surface of a smooth 3-dimensional object from the outside, which one of the following options is TRUE?
(A) The surface of the object must be concave everywhere.
(B) The surface of the object must be convex everywhere.
(C) The surface of the object may be concave in some places and convex in other places.
(D) The object can have edges, but no corners.

Q.6 The country of Zombieland is in distress since more than 75% of its working population is suffering from serious health issues. Studies conducted by competent health experts concluded that a complete lack of physical exercise among its working population was one of the leading causes of their health issues. As one of the measures to address the problem, the Government of Zombieland has decided to provide monetary incentives to those who ride bicycles to work.
Based only on the information provided above, which one of the following statements can be logically inferred with certainty?

(A) All the working population of Zombieland will henceforth ride bicycles to work.
(B) Riding bicycles will ensure that all of the working population of Zombieland is free of health issues.
(C) The health experts suggested to the Government of Zombieland to declare riding

bicycles as mandatory.
(D) The Government of Zombieland believes that riding bicycles is a form of physical exercise.

Q.7 Consider two functions of time (t),

$$f(t) = 0.01\ t^2$$
$$g(t) = 4\ t$$

where $0 < t < \infty$.

Now consider the following two statements:

(i) For some $t > 0$, $f(t) > g(t)$.
(ii) There exists a t, such that $f(t) > g(t)$ for all $t > t$.

Which one of the following options is TRUE?

(A) only (i) is correct
(B) only (ii) is correct
(C) both (i) and (ii) are correct
(D) neither (i) nor (ii) is correct

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