

After the national speed limit of 55 miles per hour was imposed in 1974, the number of deaths per mile driven on a highway fell abruptly as a result. Since then, however, the average speed of vehicles on highways has risen, but the number of deaths per mile driven on a highway has continued to fall.

**1. Which of the following conclusions can be properly drawn from the statements above?**

- (A) The speed limit alone is probably not responsible for the continued reduction in highway deaths in the years after 1974.
- (B) People have been driving less since 1974.
- (C) Driver-education courses have been more effective since 1974 in teaching drivers to drive safely.
- (D) In recent years highway patrols have been less effective in catching drivers who speed.
- (E) The change in the speed limit cannot be responsible for the abrupt decline in highway deaths in 1974.

Since applied scientific research is required for technological advancement, many have rightly urged an increased emphasis in universities on applied research. But we must not give too little attention to basic research, even though it may have no foreseeable application, for tomorrow's applied research will depend on the basic research of today.

**2. If the statements above are true, which of the following can be most reliably inferred?**

- (A) If future technological advancement is desired, basic research should receive greater emphasis than applied research.
- (B) If basic research is valued in universities, applied research should be given less emphasis than it currently has.
- (C) If future technological advancement is desired, research should be limited to that with some foreseeable application.
- (D) If too little attention is given to basic research today, future technological advancement will be jeopardized.
- (E) If technological advancement is given insufficient emphasis, basic research will also receive too little attention

In the effort to fire a Civil Service employee, his or her manager may have to spend up to \$100,000 of tax money. Since Civil Service employees know how hard it is to fire them, they tend to loaf. This explains in large part why the government is so inefficient.

**3. It can be properly inferred on the basis of the statements above that the author believes which of the following?**

- I. Too much job security can have a negative influence on workers.
  - II. More government workers should be fired.
  - III. Few government workers are Civil Service employees.
- (A) I only
  - (B) I and III only
  - (C) II only
  - (D) I, II, and III
  - (E) III only