

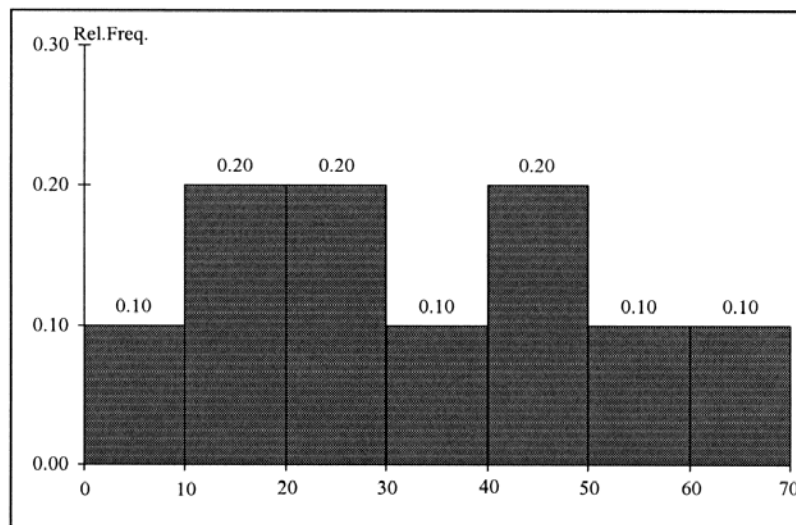
**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) A researcher at Texas Tech University wishes to estimate the textbook costs of first-year students at Tech. To do so, she monitored the textbook cost of 250 first-year students and found that their average textbook cost was \$300 per semester. Identify the sample in the study.
 

A) all Texas Tech University students	B) all college students
C) the 250 Tech students that were monitored	D) all first-year Texas Tech University students
  
- 2) Indicate the measurement scale of the following variable: Method of payment (cash, check, credit card).
 

A) interval	B) ratio	C) ordinal	D) nominal
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- 3) Which of the following is a categorical variable?
  - A) the number of gallons of milk sold at the local grocery store yesterday
  - B) the color of a student's eyes
  - C) the number of employees of an insurance company
  - D) the amount of milk produced by a cow in one 24-hour period

**Question 4–5:**The histogram below represents scores achieved by 200 job applicants on a personality profile.



- 4) Referring to the histogram, \_\_\_\_\_ percent of the job applicants scored between 20 and 60.
 

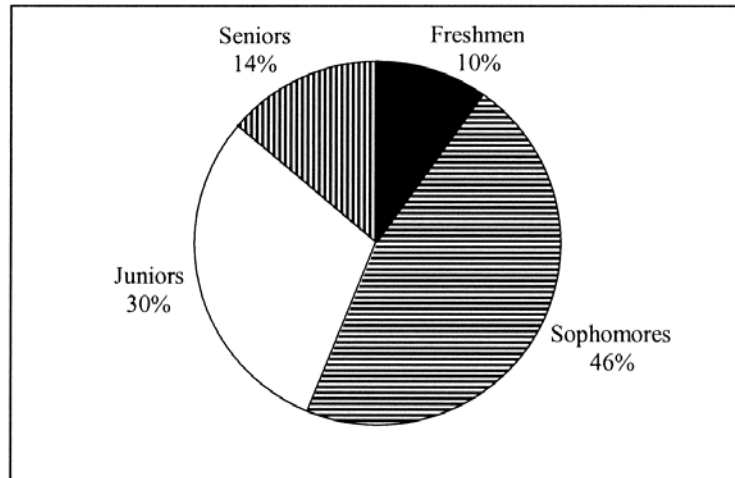
A) 40%	B) 60%	C) 20%	D) 50%
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- 5) Referring to the histogram, 80% of the job applicants scored below \_\_\_\_\_.
 

A) 20	B) 30	C) 40	D) 50
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- 6) Ogive is a graphical method used to study the \_\_\_\_\_ data.
 

A) Quantitative	B) Categorical
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- 7) Indicate the measurement scale of the following variable: Earning per share.
 

A) ordinal	B) nominal	C) ratio	D) interval
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- 8) A professor of economics at a small Texas university wanted to determine what year in school students were taking his tough economics course. Shown below is a pie chart of the results. What percentage of the class took the course prior to reaching their senior year?



- A) 86%                      B) 56%                      C) 14%                      D) 44%

**Question 9:** A survey was conducted to determine how people rated the quality of programming available on television. Respondents were asked to rate the overall quality from 0 (no quality at all) to 100 (extremely good quality). The stem-and-leaf display of the data is shown below.

Stem	Leaves
3	24
4	03478
5	01345
6	12566
7	01
8	
9	2

- 9) Referring to the stem-and-leaf display, what percentage of the respondents rated overall television quality with a rating of 40 or above?
- A) 18                      B) 90                      C) 15                      D) 65

Answer Key

Testname: SAMPLEQ1.TST

**MULTIPLE CHOICE.** Choose the one alternative that best completes the statement or answers the question.

- 1) C
- 2) D
- 3) B
- 4) B
- 5) D
- 6) A
- 7) C
- 8) A
- 9) B