

A B C D

You must use a No. 2 pencil. It's important that marks are dark and complete. Do not use a mechanical pencil. If you need to change a response, erase as completely as possible. Incomplete marks or erasures may affect your score.

Complete Mark:

Incomplete Marks:



Section 1

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|--|---|---|---|---|---|
| 1 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 9 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 17 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 25 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 33 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 41 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 2 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 10 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 18 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 26 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 34 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 42 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 3 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 11 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 19 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 27 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 35 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 43 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 4 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 12 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 20 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 28 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 36 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 44 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 5 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 13 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 21 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 29 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 37 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 45 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 6 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 14 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 22 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 30 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 38 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 46 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 7 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 15 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 23 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 31 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 39 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 47 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 8 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 16 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 24 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 32 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 40 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | |

Section 2

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| 1 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 9 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 17 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 25 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 33 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 41 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 2 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 10 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 18 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 26 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 34 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 42 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 3 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 11 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 19 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 27 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 35 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 43 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 4 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 12 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 20 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 28 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 36 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 44 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 5 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 13 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 21 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 29 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 37 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | |
| 6 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 14 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 22 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 30 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 38 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | |
| 7 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 15 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 23 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 31 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 39 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | |
| 8 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 16 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 24 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 32 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 40 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | |

Section 3

- Student-Produced Responses** Enter answers as directed in your test book. Answers must be bubbled to be scored. You will not receive credit for anything written in the boxes.
- | | | | | | |
|--|---|---|--|--|--|
| 1 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 8 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 14 <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> | 15 <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | 16 <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | 17 <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> |
| 2 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 9 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> |
| 3 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 10 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> |
| 4 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 11 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> |
| 5 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 12 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> |
| 6 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 13 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> |
| 7 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> | <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> |

Section 4

- Student-Produced Responses** Enter answers as directed in your test book. Answers must be bubbled to be scored. You will not receive credit for anything written in the boxes.
- | | | | | | |
|---|---|---|---|---|---|
| 1 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 15 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 23 <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | 25 <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | 30 <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | 31 <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 2 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 16 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 3 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 17 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 4 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 18 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 5 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 19 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 6 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 20 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 7 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 21 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 8 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 22 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 9 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 23 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 10 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 24 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 11 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 25 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 12 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 26 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 13 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 27 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |
| 14 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> | <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="6"/> |

23 + 26 + 100

490 + 500

990