



# ANSWERS

Each of these sixteen questions is worth 4 points. Each question will ask you to identify which one or ones of the given choices are correct. Each question has one, two, or three correct answers. You receive one point for each correct answer you choose, and you receive one point for each correct answer you do not choose. For example, if the correct answers to a question were A and B, then...

- Choosing A and B earns 4 point: one for correctly selecting A, one for correctly selecting B, one for correctly leaving C unselected, and one for correctly leaving D unselected.
- Choosing A earns 3 points: one for correctly selecting A, one for correctly leaving C unselected, and one for correctly leaving D unselected.
- Choosing A and C earns 2 points: one for correctly selecting A and one for correctly leaving D unselected.

...and so forth. Please ask the person administering the Desperation Shot if you have any questions about the scoring system.

Circle the letter corresponding to each choice you wish to select.

## Science

1. Which one or ones of the following are bones that form part of the human skull?  
A. capitate      ☒ B. vomer      C. scaphoid      D. xiphoid
2. Which one or ones of the following are digestive enzymes that help break down proteins into amino acids?  
☒ A. pepsin      ☒ B. chymotrypsin      ☒ C. trypsin      D. amylase
3. Which one or ones of the following are fermions?  
A. Higgs particle      ☒ B. muon neutrino      ☒ C. electron      ☒ D. up quark
4. Which one or ones of the following are tectonic plates that make up the Earth's crust?  
☒ A. Philippine      ☒ B. Arabian      C. Russian      D. Chilean

## Literature

5. Which one or ones of the following concerns itself primarily with the Vietnam War era?  
A. *The Bridge Over the River Kwai*      ☒ B. *The Things They Carried*  
C. *The Naked and the Dead*      D. *Half of a Yellow Sun*
6. Which one or ones of the following could be classified as a bildungsroman?  
☒ A. *This Side of Paradise*, by F. Scott Fitzgerald      ☒ B. *Go Tell It On the Mountain*, by James Baldwin  
☒ C. *The Kite Runner*, by Khaled Hosseini      D. *The Castle*, by Franz Kafka
7. Which one or ones of the following poetic lines are correctly matched to their author?  
A. "Softest clothing, woolly, bright; / Gave thee such a tender voice, / Making all the vales rejoice?"  
—John Keats  
☒ B. "Here once the embattled farmers stood / And fired the shot heard 'round the world."  
—Ralph Waldo Emerson  
C. "Here where a thousand / captains swore grand conquest / Tall grasses their monument."  
—Walt Whitman  
☒ D. "In all my dreams, before my helpless sight, / He plunges at me, guttering, choking, drowning."  
—Wilfred Owen

8. Which one or ones of the following titles are correctly matched to their source?

- |   |  |
|---|--|
| <input checked="" type="radio"/> A. <i>The Sound and the Fury</i> | from <i>Macbeth</i> , by William Shakespeare             |
| B. <i>The Grapes of Wrath</i>                                     | from <i>Uncle Tom's Cabin</i> , by Harriet Beecher Stowe |
| C. <i>Something Wicked This Way Comes</i>                         | from <i>Frankenstein</i> , by Mary Shelley               |
| D. <i>Things Fall Apart</i>                                       | from "To Autumn", by John Keats                          |

## History

9. Which one or ones of the following were monarchs of the House of Hanover?

- |  |  |               |               |
|--|--|---------------|---------------|
| <input checked="" type="radio"/> A. Anne | <input checked="" type="radio"/> B. George I | C. William IV | D. Edward VII |
|--|--|---------------|---------------|

10. Which one or ones of the following nations signed the Tripartite Agreement and joined the Axis Powers during World War II?

- |          |           |           |   |
|----------|-----------|-----------|---|
| A. Spain | B. Brazil | C. Sweden | <input checked="" type="radio"/> D. Hungary |
|----------|-----------|-----------|---|

11. Which one or ones of the following were among the Five Good Emperors from the Neva-Antonine dynasty?

- |   |          |             |   |
|---|----------|-------------|---|
| <input checked="" type="radio"/> A. Marcus Aurelius | B. Titus | C. Commodus | <input checked="" type="radio"/> D. Hadrian |
|---|----------|-------------|---|

12. Which one or ones of the following were among the Five Civilized Tribes?

- |  |            |         |           |
|--|------------|---------|-----------|
| <input checked="" type="radio"/> A. Seminole | B. Shawnee | C. Erie | D. Pawnee |
|--|------------|---------|-----------|

## Current Events & Geography

13. Which one or ones of the following countries are currently members of OPEC?

- |          |   |          |            |
|----------|---|----------|------------|
| A. Yemen | <input checked="" type="radio"/> B. Ecuador | C. Egypt | D. Nigeria |
|----------|---|----------|------------|

14. Which one or ones of the following countries has the Nile River, including the Blue Nile and White Nile, flowing through it or acting as a border for it?

- |  |  |
|--|--|
| A. Zambia                                  | B. Republic of the Congo                     |
| <input checked="" type="radio"/> C. Uganda | <input checked="" type="radio"/> D. Ethiopia |

## Fine Arts

13. Which one or ones of the following are examples of relief sculpting?

- |   |  |
|---|--|
| <input checked="" type="radio"/> A. <i>Battle of the Centaurs</i> , by Michelangelo                         |  |
| B. <i>Woman and Bird</i> , by Joan Miró   |  |
| <input checked="" type="radio"/> C. Robert Gould Shaw Memorial at Boston Commons, by Augustus Saint-Gaudens |  |
| D. <i>The Burghers of Calais</i> , by Auguste Rodin   |  |

14. Which one or ones of the following arias are correctly matched to the opera in which they appear?

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|--|--|
| A. "La donna è mobile"                             | from <i>La Traviata</i> , by Giuseppe Verdi              |
| B. "Habanera"                                      | from <i>The Barber of Seville</i> , by Gioachino Rossini |
| <input checked="" type="radio"/> C. "Nessun dorma" | from <i>Turandot</i> , by Giacomo Puccini                |
| D. "Vesti la giubba"                               | from <i>Il trovatore</i> , by Giuseppe Verdi             |

## Religion, Mythology, & Philosophy

15. Which one or ones of the following are children of Zeus?

A. Bellerophon

☒ B. Ares

C. Jason

☒ D. Hebe

16. Which one or ones of the following arias are part of the Noble Eightfold Path followed by Buddhists?

☒ A. right effort, or *vyayama*

B. right philanthropy, or *vasamti*

☒ C. right livelihood, or *ajivana*

☒ D. right action, or *karman*

## Tiebreaker

*This question will be considered only if there is a tie for the highest number of points received on questions 1–16. The player whose answer is closest to the correct answer in either direction will advance to the Championship Match; if there remains a tie, all players involved in the tie will advance to the Championship Match.*

Add the following quantities:

- the number of plays by William Shakespeare in the First Folio 36
- the symphony number of the final symphony by Wolfgang Amadeus Mozart 41
- the number of signers of the Declaration of Independence 56
- the number of years between the first and last battle of the Hundred Years' War 116
- the number of particles in the Standard Model, excluding unconfirmed particles such as the Higgs particle and the graviton 16

Answer: 265