

USE OF ENGLISH

Task 8

Read the text below. For questions (39–48) choose the correct answer (A, B, C or D). Write your answers on the separate answer sheet.

THE HUBBLE SPACE TELESCOPE

Since its (39) _____ in 1990, the Hubble Space Telescope has become one of the most (40) _____ instruments in the history of astronomy. Children of today do not need to look into the sky and wonder — Hubble has (41) _____ the beauty of the heavens to the face of the earth. The Hubble telescope has (42) _____ a multitude of incredibly discoveries about our universe and origins to be made. It has also provided us with some of the most beautiful images of all time. To understand the true (43) _____ of this telescope, consider the Hubble Ultra Deep Field — the deepest image of the universe ever taken in visible light, looking back in time more than 13 billion years. It is impossible to look at this image and not feel a sense of awe at the technological achievement that made it possible.

The history of the Hubble Space Telescope can be (44) _____ back as far as 1946, when the astronomer Lyman Spitzer wrote the paper *Astronomical advantages of an extra-terrestrial observatory*. Spitzer (45) _____ much of his career to pushing for a space telescope to be developed. In 1962 a report by the U.S. National Academy of Sciences recommended the development of a space telescope as part of the space (46) _____, and in 1965 Spitzer was (47) _____ as head of a committee given the task of defining the scientific objectives for a large space telescope. On April 24, 1990, Space Shuttle Discovery was launched in Florida, (48) _____ the Hubble Space Telescope into space.

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|-----------------|--------------|---------------|-------------|
| 39 A float | B project | C catapult | D launch |
| 40 A minor | B compelling | C significant | D trivial |
| 41 A brought | B come | C given | D gone |
| 42 A enabled | B inhibited | C invested | D prepared |
| 43 A charge | B value | C profit | D amount |
| 44 A determined | B traced | C spotted | D trailed |
| 45 A vowed | B presented | C devoted | D gave |
| 46 A business | B program | C bulletin | D timetable |
| 47 A appointed | B admitted | C established | D selected |
| 48 A bringing | B going | C drawing | D taking |

Task 9

Read the text below. For each of the empty space (49–58) choose the correct variant (A, B, C or D). Write your answers on the separate answer sheet.

EXPLORING SATURN

Cassini-Huygens is one of (49) _____ missions ever launched into space. (50) _____ an array of powerful instruments and cameras, the spacecraft is capable of (51) _____ accurate measurements and (52) _____ images in a variety of (53) _____ conditions and light spectra.

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|----|------------------|------------------|----------------------|------------------|
| 49 | A more ambitious | B much ambitious | C the most ambitious | D less ambitious |
| 50 | A Loaded at | B Loaded in | C Loaded with | D Loaded about |
| 51 | A took | B to take | C taken | D taking |
| 52 | A detailed | B details | C detailing | D will detail |
| 53 | A atmospheric | B atmosphere | C atmospherically | D atmospheres |

Cassini-Huygens is (54) _____ three-axis stabilized spacecraft equipped for 27 diverse science investigations. The Cassini orbiter (55) _____ 12 instruments and the Huygens probe had six. Equipped to (56) _____ investigate all the important elements that the Saturn system (57) _____ uncover, many of the instruments have multiple functions. The spacecraft communicates (58) _____ one high-gain and two-low gain antennas.

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|----|--------------|------------|--------------|-----------|
| 54 | A — | B a | C the | D an |
| 55 | A will have | B having | C to have | D has |
| 56 | A thoroughly | B thorough | C throughout | D though |
| 57 | A ought | B should | C may | D had |
| 58 | A on | B before | C above | D through |