Questions 23-33 are based on the following passage.

Court Reporting: Humans v. Machines

Court reporters for years have been the record keepers of the court, taking 23 scrupulous notes during 24 hearings; depositions, and other legal proceedings. Despite the increasing use of digital recording technologies, court reporters still play a vital role in courtrooms. 25 Although machines can easily make digital audio recordings of court events, they lack the nuance of human court reporters in providing a precise record.

[1] Court reporters record the spoken word in real time, most commonly using the technique of stenography. [2] A stenotype machine allows a person to type about 200 words per minute (the speed of speech is about 180 words per minute). [3] The typed words are instantaneously translated onto a computer screen for the judge to view, and the transcript is used later by people who want to review the case, such as journalists and lawyers. [4] Digital audio recording is becoming increasingly popular in courtrooms across the United States, with six states using solely audio recordings for general jurisdiction sessions. [5] Proponents of going digital say that technology is the easiest way to get the most accurate record of the proceedings, as the machine records everything faithfully as it occurs and is not 26 subject to human errors such as mishearing or mistyping. [6] However, with the rise of high-quality

23 CONTINUITY: IN CONTEXT

Which choice best fits with the tone of the rest of the passage?

A) NO CHANGE
B) super-rigorous
C) spot-on
D) intense

VOCAB IN CONTEXT WITH FLOW OF THE STORY

24 COMMA RULES: LISTS

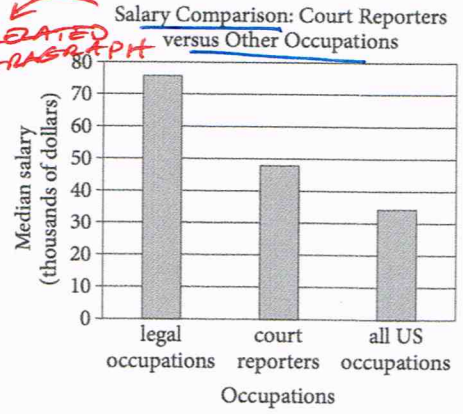
A) NO CHANGE
B) hearings; depositions;
C) hearings, depositions,
D) hearings, depositions;

25 CONTINUITY: IN CONTEXT

* At this point, the writer is considering adding the following graph.

UNRELATED TO PARAGRAPH

FOLLOW FLOW OF STORY



Adapted from Bureau of Labor Statistics, US Department of Labor, *Occupational Outlook Handbook, 2014–15 Edition.*

Should the writer make this addition here?

A) Yes, because it supports the claim that court reporting is an important part of a trial.
B) Yes, because it offers a relevant counterpoint to the argument that the use of digital recorders is on the rise.
C) No, because it presents information that is not directly related to the paragraph's discussion of the role of court reporters.
D) No, because it does not provide information about the pay scale for more experienced court reporters.

26 PARALLELISM: VERB TENSES

A) NO CHANGE
B) subjected to
C) subjected from
D) subject for

TESTING WORD PAIRS ≠FROM ≠FOR =TO

recording technology, reliance on court reporters 27 as a record keeper is decreasing. 28

Champions of court reporting, though, argue the 29 opposite. They argue that with the increased reliance on technology, errors actually increase. Because digital systems record 30 indiscriminately; they cannot discern important parts of the proceedings from other noises in the courtroom. 31 Despite this, a digital device does indeed record everything, but that includes loud noises, such as a book dropping, that can make the actual words spoken impossible to hear. A court reporter, however,

can distinguish between the words 32 and distinguish between the extrinsic noises that need not be recorded. Also, if a witness mumbles, a human court reporter can pause court proceedings to ask the witness to repeat what he or she said. In some cases, digital recording 33 makes it necessary for the judge to make additional announcements at the beginning of a trial. Increasing use of technology is "a transition from accurate records to adequate records," says Bob Tate, president of the Certified Court Reporters Association of New Jersey.

Despite the apparent benefits of using digital recording systems in courtrooms, there is still a need for the human touch in legal proceedings. At least for the foreseeable future, machines simply cannot replicate the invaluable clarification skills and adaptability of human court reporters.

27 PARALLELISM : COMPARISON

A) NO CHANGE
B) each as record keepers
C) as record keepers
D) to be a record keeper

28 CONTINUITY : IN CONTEXT

To make this paragraph most logical, sentence 6 should be placed

A) where it is now.
B) after sentence 1.
C) after sentence 3.
D) after sentence 4.

29 CONTINUITY : IN CONTEXT

Which choice most effectively combines the sentences at the underlined portion?

A) opposite, such
B) opposite—
C) opposite, which is
D) opposite; their opinion is

30 COMMA RULES : INTRO CLAUSE

A) NO CHANGE
B) indiscriminately, they
C) indiscriminately. They
D) indiscriminately, therefore they

31 TRANSITION WORDS

A) NO CHANGE
B) In other words,
C) Therefore,
D) Consequently,

32 WORD PAIRS : BETWEEN (THIS)... AND (THAT)...

A) NO CHANGE
B) also between the
C) and when there are
D) and the

33 CONTINUITY : IN CONTEXT

Which choice provides the best supporting example for the main idea of the paragraph?

A) NO CHANGE
B) requires a courtroom monitor to ensure the equipment is functioning properly.
C) leads to changes in the roles and duties of several members of the courtroom staff.
D) has led to the need for retrial because of indistinct testimony from key witnesses.

Questions 34-44 are based on the following passage.

Fire in Space

On Earth, fire provides light, heat, and comfort. Its creation, by a process called combustion, requires a chemical reaction between a fuel source and oxygen. The shape that fire assumes on Earth is a result of gravitational influence and the movement of molecules. In the microgravity environment of space, **34** moreover, combustion and the resulting fire behave in fundamentally different ways than they do on Earth—differences that have important implications for researchers.

A group of engineering students from the University of California at San Diego (UCSD), for example, **35** tried to find a method to make their biofuel combustion study (fuels derived from once-living material) free of the drawbacks researchers face on Earth. The standard method involves burning droplets of fuel, but Earth's gravitational influence causes the droplets to lose spherical symmetry while burning. This **36** deformation results in subtle variations in density that both **37** causes uneven heat flow and limits the size of the droplets that can be tested. Specially designed "drop towers" **38** built for this purpose reduce these problems, but they provide no more than 10 seconds of microgravity, and droplet size is still too small to produce accurate models of combustion rates. **39** The UCSD students understood that these limitations had to be surmounted. As part of the program, researchers fly their experiments aboard aircraft that simulate the microgravity environment of space. The aircraft accomplish this feat by flying in parabolic paths instead of horizontal ones. On the plane's ascent, passengers feel twice Earth's gravitational pull, but for brief periods at the peak of the trajectory,

CONTRAST!

34 TRANSITION WORDS

A) NO CHANGE (NOT CONTRAST) SEE Q#1 EXPLANATION
B) however,
C) accordingly, } NOT CONTRAST
D) subsequently, }

35 CONCISE

A) NO CHANGE
B) strove for a method to make their study of biofuel combustion
C) looked for a method to study biofuel combustion
D) sought a method to study combustion of biofuels

36 CONTINUITY: IN CONTEXT

Which choice provides the most precise description of the phenomenon depicted in the previous sentence?

A) NO CHANGE
B) alteration
C) transformation
D) modification

FOLLOW RECIPE OF QUESTION. VOCAB IN CONTEXT

37 SUBJECT/VERB AGREEMENT

A) NO CHANGE
B) cause uneven heat flow and limit
C) cause uneven heat flow and limits
D) has caused uneven heat flow and has limited

38 REDUNDANCY

A) NO CHANGE
B) intended for this use
C) constructed for this function } ALL SAME AS "SPECIALLY DESIGNED"
D) DELETE the underlined portion.

39 CONTINUITY: IN CONTEXT

Which choice provides the most effective transition between ideas in the paragraph?

A) NO CHANGE
B) The UCSD group sought to overcome these difficulties by participating in NASA's Microgravity University program.
C) The engineering group realized that aircraft might be the tools they were looking for.
D) Thus, for the UCSD group, drop towers were not an adequate solution.

FOLLOW FLOW OF PARAGRAPH

40 "weightlessness" or microgravity similar to what is experienced in space, is achieved.

These flights allowed the UCSD students to experience microgravity 41 . Specifically, they 42 investigated the combustion of biofuel droplets in microgravity for twice as long as could be accomplished in drop towers and to perform tests with larger droplets. The larger, 43 spherically symmetric droplets burned longer and gave the students more reliable data on combustion rates of biofuels because the droplets' uniform shape reduced the variations in density that hinder tests performed in normal gravity. The students hope the new data will aid future research by improving theoretical models of biofuel combustion. Better combustion-rate models may even lead to the production of more fuel-efficient engines and improved 44 techniques, for fighting fires in space or at future outposts on the Moon and Mars.

40 COMMA RULES: UNNEC INFO IN MIDDLE OF SENTENCE

A) NO CHANGE
B) "weightlessness" or microgravity, similar to what is experienced, in space
C) "weightlessness" or, microgravity, similar to what is experienced in space
D) "weightlessness," or microgravity similar to what is experienced in space,

41 CONTINUITY: IN CONTEXT

At this point, the writer is considering adding the following.

and perform their experiment without traveling into space

Should the writer make this addition here?

A) Yes, because it elaborates on the advantage the students gained from the flights.
B) Yes, because it reveals that the students did not actually go into space, a point that the previous paragraph does not address.
C) No, because it shifts focus away from the students' experiences while on the flights.
D) No, because it restates what has already been said in the sentence.

FOLLOW FLOW OF STORY.

SLICK! DIRTY – NOTICE SPACE

42 PARALLELISM: VERB TENSES

A) NO CHANGE
B) could investigate
C) were investigating
D) were able to investigate

ALWAYS READ TO THE END OF THE SENTENCE BEFORE CHECKING ANSWERS

43 CONTINUITY: IN CONTEXT

Which choice most effectively establishes that the UCSD students' approach had solved a problem, mentioned earlier in the passage, relating to burning fuel on Earth?

A) NO CHANGE
B) combustible
C) microgravity-influenced
D) biofuel-derived

FOLLOW FLOW OF STORY

CHECK OUT Q#36

44 NO PUNCTUATION NECESSARY

A) NO CHANGE
B) techniques for fighting fires, in space or at future outposts
C) techniques for fighting fires in space or at future outposts
D) techniques for fighting fires in space, or at future outposts,

AVOID COMMAS BEFORE PREPOSITIONAL PHRASES