Writing Section

WRITING SECTION INSTRUCTIONS
30-MINUTE TIME LIMIT

• The examiner will have already provided you a writing answer document on which to write your essay. Make sure you have filled in your name, your signature, your birthdate, and your registration number.

• Do NOT write your essay in this test booklet. Write your essay on the answer document you have been provided.

• Use a #2 (soft) pencil only.

• You will have 30 minutes to write on one of the two topics. If you do not write on one of these topics, your paper will not be scored.

• You may make an outline if you wish, but your outline will not count toward your score.

• Write about one-and-a-half to two pages. Your essay will be marked down if it is extremely short.

• Write inside the boxes on pages 2, 3, and 4 of your answer document.

• Extra sheets of paper or scratch paper will not be scored. Please use only the space provided on the answer document to write your essay.

• You will not be graded on the appearance of your paper, but your handwriting must be readable. You may change or correct your writing, but you should not recopy the whole essay.

• Your essay will be judged on clarity and overall effectiveness, as well as on topic development, organization, and the range, accuracy, and appropriateness of your grammar and vocabulary.

Topics

1. People learn and gain knowledge in many ways. Some things are learned through reading or taking courses with a teacher. Other things are learned from personal experiences. In your opinion, which method is more important? Why? Be specific and give concrete examples in your response.

2. Some people believe that success is due to hard work. Other people believe that success depends on luck and personal connections. In your opinion, what is success? Which is more important to achieving success: hard work, or luck and connections? Use specific reasons and examples to support your viewpoint.

When you have selected your topic, remember to fill in “1” or “2” in the ECPE Writing Response box in the front of your writing answer document.

Please observe silence. Do not leave the room during the time period. Remember, you have 30 minutes to complete your essay.

DO NOT TURN THE PAGE UNTIL THE EXAMINER HAS TOLD YOU TO DO SO.
LISTENING SECTION INSTRUCTIONS

This is a test of your ability to understand spoken English. The listening section has three parts. There are 50 questions. Mark all your answers on the separate answer sheet. Do not make any stray marks on the answer sheet. If you change your mind about an answer, erase your first answer completely.

Part 1

In this part, you will hear short conversations. From the three answer choices, select the answer which means about the same thing as what you hear, or is true based upon what you hear. For example, listen to the conversation:

Example (listen): a. They will stay home.  
                      b. They will go to a game.  
                      c. They don’t like football.

The correct answer is b.

For problems 1 through 15, mark your answers on the separate answer sheet. No problems can be repeated. Please listen carefully. Do you have any questions?

1. a. He didn’t sleep well.  
       b. He got to work early.  
       c. He dialed a wrong number.  

9. a. Her new coworker might get fired.  
      b. Her new coworker is hardworking.  
      c. Her new coworker was promoted.

2. a. He’s changed his topic.  
      b. He’s still doing research.  
      c. He’ll start writing his paper soon.

10. a. He can’t go to dinner with her.  
       b. He’s going to meet her after dinner.  
       c. He’s looking forward to dinner with her.

3. a. The presentation was canceled.  
      b. The presentation was confusing.  
      c. The presentation was interesting.

11. a. She does not like coffee.  
       b. She is trying to drink less coffee.  
       c. She is going to make some coffee.

4. a. She found skiing easy.  
      b. She did not enjoy skiing.  
      c. She went skiing with the man.

12. a. She’s going on vacation.  
       b. She’s trying to send a file.  
       c. She’s re-arranging her office furniture.

5. a. He is going back to his office.  
      b. She thinks their office is chilly.  
      c. Some of their coworkers are ill.

13. a. They’re organizing a meeting.  
       b. They’re discussing her travel plans.  
       c. They’re comparing their schedules.

6. a. They will meet right after class.  
      b. They will talk about the last lecture.  
      c. They will work on an assignment together.

14. a. He has not met David yet.  
       b. He will go back with David.  
       c. He and David are old friends.

7. a. She does not own a car.  
      b. She will have a shorter commute.  
      c. She usually takes the bus to work.

15. a. She took his keys by mistake.  
       b. He has made copies of his keys.  
       c. His keys are at the reception desk.

8. a. Her friend liked the exhibit.  
      b. She saw the exhibit last week.  
      c. They will meet her friend on Saturday.

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Part 2
In this part, you will hear a question. From the three answer choices given, choose the one which best answers the question. For example, listen to the question:

Example (listen): a. The wedding's next Saturday.
b. Yes, she's married.
c. Two weeks ago.

The correct answer is a.

For problems 16 through 35, mark your answers on the separate answer sheet. No problems can be repeated. Please listen carefully. Do you have any questions?

16. a. When you check in.
   b. A driver'll pick you up.
   c. Close to downtown.

17. a. We were one short.
   b. Everybody was there.
   c. Because they're not online.

18. a. I'm going over there, too.
   b. I agree, we shouldn't.
   c. Good, we don't want any surprises.

19. a. Probably some time in the morning.
   b. We'll have to get them from another source.
   c. Okay, that shouldn't be a problem.

20. a. Mostly the museums.
   b. That's the plan.
   c. I saw them the last time I was there.

21. a. That's the best deal available.
   b. No, he couldn't get there.
   c. Or else we'll have to.

22. a. Yes, but it took a while.
   b. No, I'm wearing the old one.
   c. If you plan to stay more than two weeks.

23. a. No, that's extra.
   b. You can make your reservations online.
   c. Only if you give us less than a day's notice.

   b. At my cousin's house.
   c. Yes, for two weeks.

25. a. I have a one-bedroom apartment.
   b. Because it has more space.
   c. I signed for another year.

26. a. I don't know, but I heard the same rumor.
   b. I think he's teaching a class now.
   c. But not if you do poorly on the midterm exam.

27. a. Probably by credit card.
   b. That's the same thing they said to me earlier.
   c. They'll send a check at the end of the month.

28. a. You're right, it was impressive.
   b. Seems like a really nice guy.
   c. No, I'd never heard of him before.

29. a. The cheapest is 85 dollars, plus tax.
   b. Yes, we still have one available.
   c. Only if you have a reservation.

30. a. Can you start next week?
   b. Simple. Just push the "on" button.
   c. Yes, it'll be one of your responsibilities.

31. a. Yes, I do, thanks.
   b. Sure, if you need to.
   c. Either is fine.

32. a. Maybe, but I've seen better ones.
   b. No, they're not all mine.
   c. Actually, I feel a bit dizzy.

33. a. Of course, take as many as you like.
   b. Sure, give me five minutes to finish up here.
   c. Sorry, I haven't heard a word about it.

34. a. There's a dry cleaner's on Main Street.
   b. I agree, the place is much cleaner now.
   c. It'll be ready by this afternoon.

35. a. Yes, and I think they're rather stylish.
   b. No, I only need them for reading.
   c. Have you looked on the table?
Part 3
In this part, you will hear three short segments from a radio program. The program is called “Learning from the Experts.” You will hear what three different radio guests have to say about three different topics. Each talk lasts about three minutes. As you listen, you may want to take some notes to help you remember information given in the talk. Write your notes in this test booklet. After each talk, you will be asked some questions about what was said. From the three answer choices given, you should choose the one that best answers the question according to the information you heard.

Remember, no problems can be repeated. For problems 36 through 50, mark all your answers on the separate answer sheet. Do you have any questions?

Segment 1

36. How does forest fragmentation affect rat snakes?
   a. It increases their habitat.
   b. It increases their food supply.
   c. It increases their vulnerability to predators.

37. According to the report, how do fragmented and unfragmented forests differ?
   a. Unfragmented forests have less shade.
   b. Unfragmented forests have more birds.
   c. Unfragmented forests have fewer edges.

38. What are rat snakes said to be good at doing?
   a. catching birds
   b. climbing trees
   c. building nests

39. What opinion does Dr. Reiss express regarding development?
   a. It needs to be stopped in certain areas.
   b. It often results in environmental damage.
   c. It can be important to local communities.

40. What is the solution to the rat snake-bird predation problem said to be a matter of?
   a. biology
   b. politics
   c. economics

Write notes here.
41. What is the main finding of the institute’s research?
   a. Social networks are similar to biological networks.
   b. Having a strong social network leads to a longer life.
   c. Men and women form different kinds of social networks.

42. What does Dr. Fitch say he is lacking?
   a. a clear explanation for what his data shows
   b. the technology needed to do more research
   c. the funding for collecting further research data

43. Why does Dr. Fitch mention doing math problems?
   a. to make a point about social networks
   b. to give an example of a stressful situation
   c. to indicate how the research was performed

44. What limitation on the brain studies does Dr. Fitch acknowledge?
   a. only adults were examined
   b. mostly men were studied
   c. older technology was used

45. What will Dr. Fitch’s research group probably look at next?
   a. the role of hormones in making social networks
   b. the regions of the brain involved in controlling stress
   c. the physical differences between two groups of people
Segment 3

Mark your answers on the separate answer sheet.

46. What point does the professor make about plagiarism?
   a. It usually causes little harm.
   b. It can be difficult to detect.
   c. It is becoming more common.

47. Which form of scientific misconduct does the professor identify as the largest problem?
   a. plagiarism
   b. data falsification
   c. data fabrication

48. How did the study’s two data collection methods differ?
   a. in their wording of the questions
   b. in their definitions of misconduct
   c. in their privacy policy

49. What concern does the professor express about this data?
   a. It might not be accurate.
   b. It might have been plagiarized.
   c. It might embarrass his colleagues.

50. According to the reporter, what are some scientists calling for?
   a. an investigation
   b. higher standards
   c. stronger punishments
51. People who were shown photos of their proposed dates, believed that reading a bio would enable them _____ if they would like the date.
   a. better gauge
   b. gauge better
   c. to better gauge
   d. had better gauge

52. Astronomers announced the discovery of a new planet _____ a star similar to our sun.
   a. orbits
   b. to orbit
   c. an orbit
   d. orbiting

53. There is _____ that daily consumption of garlic may lower elevated levels of blood cholesterol.
   a. growing evident
   b. evidently growing
   c. growing evidence
   d. evidence is growing

54. After reviewing your proposal, I would like to meet _____ further the suggestion you made in your previous e-mail.
   a. discuss
   b. to discuss
   c. discussion
   d. a discussion

55. Current research implies that two heads are better than one, but _____ people are able to discuss their different perspectives effectively.
   a. if only
   b. only when
   c. only for
   d. as only

56. Your opinion is different _____ the rest of the team, but you do have a point.
   a. of
   b. to
   c. than that
   d. than of

57. Rent or mortgage payments usually account _____ monthly expenses.
   a. largest proportion
   b. the largest proportion
   c. of the largest proportion for
   d. for the largest proportion of

58. The main responsibility of the position will be to demonstrate samples of products, _____ their useful features and practical applications.
   a. emphasis is on
   b. emphasizing
   c. an emphasis on
   d. will be to emphasize

59. The “e-recycling” industry has developed rapidly in recent years as state laws push _____ old electronics.
   a. which disposes safely
   b. in safety disposal
   c. to dispose safely
   d. for safe disposal of

60. A bionic hand which gives the wearer sensory feedback could pave the way _____ artificial limbs that provide “feeling.”
   a. by
   b. from
   c. in
   d. for

61. Effective managers understand _____ to interact with many kinds of people under many different circumstances.
   a. how
   b. who
   c. what
   d. where

62. Within six months of the rhinos _____ in the national park, there was a general indication of an improvement in their overall health.
   a. taking care of
   b. being taken care of
   c. having taken care of
   d. been taken care of

63. Due to routine maintenance, _____ the website may be intermittent between Friday evening and Saturday morning.
   a. access to
   b. to access
   c. accessing by
   d. by accessing
64. Due to repeated snowfall, New York City is running out of salt supplies rapidly, leaving officials _____ stock.
   a. to scramble finding
   b. scrambled finding
   c. scrambling to find
   d. scramble and find

65. The orchestra's violin section has shown tremendous _____ under Mr. Lee's direction.
   a. improve
   b. improved
   c. to improve
   d. improvement

66. Leaders of the opposition party called on the state to _____ plans to build a new highway through the forest.
   a. back away from
   b. back into
   c. back out
   d. back off

67. _____ foods of a particular region with local wines is recommended by some top chefs, while others like to be more flexible in their choice of wine.
   a. To pair
   b. Pair
   c. Pairing
   d. Paired

68. The contrast, brightness, and color of the scanned photographs _____ using image processing software.
   a. adjusted by
   b. adjustments
   c. were adjusted
   d. made an adjustment

69. Mr. Johnson is urging the government to _____ the plastic toy, claiming it is dangerous for children.
   a. a sales ban
   b. banning sales of
   c. ban the sale of
   d. a ban of the sale

70. Researchers at New York University have come up with a new formula that can estimate the number of objects _____ in a container.
   a. pack together random
   b. packing randomly together
   c. randomly packed together
   d. a random package

71. _____ appropriate measures are taken soon, severe water shortages will occur due to population growth and agricultural practices.
   a. Unless
   b. Despite
   c. Because
   d. Although

72. Because it will cost so much to repair the equipment, _____ to replace it.
   a. I advise simply
   b. my advice is simply
   c. it is my simple advice
   d. it has simply advised

73. Our magazine _____ the award, which recognizes outstanding journalism, in four of the past five years.
   a. has won
   b. is winning
   c. had been won
   d. has been winning

74. Research suggests that when we see a face in a crowd, we tend to perceive that face as similar to the average of all the faces in that crowd, _____ more attractive.
   a. and is
   b. and thus as
   c. therefore being
   d. so there is

75. On August 1st, the company will celebrate _____ in business for 20 years with an anniversary celebration for its employees and clients.
   a. was
   b. has been
   c. having been
   d. going to be

76. Blog posts are usually arranged in chronological order, with _____ additions at the top.
   a. the most recent
   b. most recently the
   c. recently the most
   d. mostly the recent are
Grammar

77. At the end of the course, participants completed a short survey _____ the trainer’s professional competence.
   a. whereby it was assessed
   b. therefore being assessed
   c. having been assessed
   d. in which they assessed

78. The _____ interest rate on investments over $10,000 is 5%.
   a. guaranty
   b. guarantees
   c. guaranteed
   d. guaranteeing

79. After running seriously over budget and behind schedule for the past three years, the project _____ back on track.
   a. is finally bringing
   b. has finally been brought
   c. is brought finally
   d. brought it finally

80. People generally feel better about themselves emotionally _____ they feel better physically.
   a. that
   b. what
   c. which
   d. when

81. After a month of talks, the two sides are _____ to an agreement than when they started.
   a. no closer
   b. not close
   c. not as closed
   d. not closest

82. The successor of the Hubble Space Telescope, the JWST, will be _____ complex instruments ever built.
   a. of the most
   b. as one of many
   c. one of the most
   d. as many as the

83. The number of passengers on the city’s buses _____ since June, when reduced-fare monthly passes were introduced.
   a. steadily increases
   b. increased by a steady
   c. has been a steady increase
   d. has been increasing steadily

84. Reassuringly, most of the microbes present in the air _____ benign, but a few can cause allergies.
   a. were found to be
   b. they were finding
   c. they are found
   d. to be found are

85. Please enter your details using only English letters and numbers, as the reservation system is unable to recognize characters and symbols _____ &,<, >.
   a. as those
   b. like these
   c. such as
   d. that are

86. Health officials are advising citizens not to drink the water as it is deemed unsafe, _____ they say it can be used for other purposes.
   a. though
   b. nor
   c. whereas
   d. so

87. Under the new rules, the city awards contracts only to the lowest bidders, _____ other factors like technical capability or past performance.
   a. regards
   b. regards the
   c. regardless of
   d. is regardless

88. According to office rumors, the company _____ a 35-hour workweek.
   a. considered to introduce
   b. is considering the introduction of
   c. was considered an introduction for
   d. has considered an introduction

89. _____ the changes now occurring to the environment, the need for protected areas that safeguard marine animals has never been greater.
   a. Giving
   b. Being given
   c. Having given
   d. Given

90. Technology _____ the industry, the company president stated at the annual meeting.
   a. what is driving
   b. is what it is driving
   c. what will be driving
   d. is what will drive
This passage is about earthquakes and animals.

Persistent stories from around the world, from antiquity to the present, describe behavioral changes in various animals in the days and hours before an earthquake, suggesting that some animals may be able to sense impending temblors.

Research testing animals' ability to predict earthquakes has been available. Recently, scientists were able to document the behaviors of a group of toads before, during, and after an earthquake.

Researchers were studying the breeding habits of a particular group of toads, when, abruptly, 96 percent of the males simply disappeared for a five-day period. A significant earthquake and several aftershocks occurred on the fifth day after the departure. Six days after the last aftershock, the males returned and resumed mating, as if whatever had happened.

It turns out that to the earthquake, there had been changes in the Earth's magnetic field, and an increase in the amount of radon gas in the groundwater. Additionally, there were unusual electrical disturbances in the upper atmosphere.

The researchers investigate that the toads are sensitive to some or of these physical changes, and react by relocating to safer areas for protection.

Perhaps someday data from toad populations will be used to improve earthquake forecasting.
This passage is about exercise.

Many people want to know whether cycling is better than running or walking as an exercise for health or weight loss.

Not (101), it turns out that all three activities are excellent (102) of exercise. While they are (103), in that they are all rhythmic aerobic activities working large muscle masses, there are also significant differences.

In general, (104) the three, running burns more calories per minute. (105) a person who weighs 150 pounds. According to the National Academy of Exercise, this person running at an average pace of seven minutes per mile burns (106) 1,000 calories per hour. This compares to about 850 calories per hour for cycling at a modest speed of 16 –19 miles per hour, and just 360 calories per hour for walking 15-minute miles, (107) is considered average speed.

While running might be more (108) at burning calories than either cycling or walking, it also leads to (109) more injuries, especially those of the knees and other joints. Both cycling and walking are much (110) on the body.

All three activities improve aerobic fitness, which is closely linked to a reduced risk of chronic disease and a longer life span.
111. To _____ the machine, press the red button marked “power” on the control panel.
   a. go off  
   b. put out  
   c. turn out  
   d. shut down

112. Please contact us as soon as possible to make _____ for the meeting final.
   a. travels  
   b. allowances  
   c. conferences  
   d. arrangements

113. The Atlas Hotel features a rooftop restaurant with the most _____ view of the city.
   a. urban  
   b. concealed  
   c. impressed  
   d. spectacular

114. John Ranger, the Human Resources Manager, has _____ increasing annual vacation leave for most workers.
   a. propositioned  
   b. amended  
   c. proposed  
   d. conceived

115. Three-quarters of the people we polled indicated that affordable health care was their biggest _____.
   a. concern  
   b. conflict  
   c. concession  
   d. confrontation

116. As the price of fuel increases, cost of public transportation is expected to rise _____, according to this morning’s news report.
   a. exclusively  
   b. dependently  
   c. correspondingly  
   d. implicitly

117. The researchers caution against assuming the results from their animal studies are _____ for humans.
   a. accountable  
   b. valid  
   c. malicious  
   d. authorized

118. All managers have been asked to submit plans to _____ spending in their departments by five percent.
   a. trim  
   b. justify  
   c. allot  
   d. cease

119. The fisherman was _____ whether to haul in the giant fish or release it back into the water.
   a. in his right mind  
   b. all in the mind  
   c. of two minds  
   d. of like mind

120. The exact age of the structure has been difficult to _____, but calculations put the estimate anywhere between 3,000 and 10,000 years old.
   a. intervene  
   b. infer  
   c. hint  
   d. pinpoint

121. Many of our older records are still in paper format, and have not yet been _____ to a digital format.
   a. fulfilled  
   b. grasped  
   c. assembled  
   d. transferred

122. Knowledge of the structure of the virus has helped scientists get closer to designing effective drugs to _____ the diseases it causes.
   a. combat  
   b. succumb  
   c. contract  
   d. transmit

123. Our supervisor told me the news about his promotion, but asked me to _____ until he made a formal announcement.
   a. rule it out  
   b. keep it to myself  
   c. talk him out of it  
   d. back him up
124. To avoid additional late fees and service charges, please pay your _____ in full by September 30.
   a. credit  
   b. balance  
   c. surplus  
   d. residue

125. _____ staff meeting has been scheduled for all staff at 9 a.m. on Friday in the main conference room.
   a. A mandatory  
   b. An inevitable  
   c. An endorsed  
   d. A demonstrated

126. Our aim is to _____ the new car as affordable, fuel efficient, environmentally friendly, and fun to drive.
   a. anchor  
   b. portray  
   c. commence  
   d. concede

127. According to a recent study, 30 percent of sharks, rays and _____ species are at risk of extinction.
   a. analogous  
   b. compatible  
   c. critical  
   d. related

128. De Klerk founded the company in 2001, _____ the company into becoming the country’s largest manufacturer of solar panels.
   a. installing  
   b. accelerating  
   c. steering  
   d. arousing

129. Top fashion model Sara DeGrassi has _____ that she will no longer wear fur.
   a. denounced  
   b. applied  
   c. pledged  
   d. committed

130. Current law _____ truck drivers to seven hours of driving in any 12-hour period.
   a. rules  
   b. permits  
   c. restricts  
   d. prohibits

131. Please bring the furniture in through the loading dock at the back of the building, and bring it up in the freight _____.
   a. cargo  
   b. elevator  
   c. shipment  
   d. department

132. This year’s sales _____ is $15 million, an eight-percent increase over last year.
   a. target  
   b. market  
   c. quotation  
   d. share

133. _____ version of the conference schedule is now available online, but please check for updates on a regular basis.
   a. A printed  
   b. A preliminary  
   c. An obtainable  
   d. An elemental

134. Several of the museum’s paintings were damaged when a water pipe above a basement storage area burst, causing _____ flooding.
   a. inclusive  
   b. extensive  
   c. saturated  
   d. devastated

135. Today’s investors have more choices, but also face greater _____ than they did even five years ago.
   a. risks  
   b. options  
   c. diversity  
   d. probability

136. While you are visiting, I strongly _____ that you have dinner at Casa Alvarez on Third Avenue.
   a. applaud  
   b. endorse  
   c. proposition  
   d. recommend

137. An overturned truck has caused major _____ for traffic flowing into the city.
   a. delays  
   b. intervals  
   c. deferrals  
   d. postponements
138. Mark proposed to Esther, and even though she has accepted, I doubt she will ____ it.
   a. leap at  
   b. engage in 
   c. get up to  
   d. go through with

139. Mayor Lippman noted that the ____ of essential municipal services has become increasingly expensive.
   a. provision  
   b. submission 
   c. designation 
   d. anticipation

140. The company announced that it plans to begin ____ on a new $45 million factory in June.
   a. formation  
   b. construction 
   c. composition 
   d. implementation

141. There was a loud ____ outside and everyone ran to the windows to see what had happened.
   a. commotion  
   b. consultation 
   c. complication 
   d. contradiction

142. What constitutes “a balanced diet” is open to debate, with many nutritional experts offering widely ____ and often conflicting opinions.
   a. adjacent  
   b. unanimous 
   c. divergent 
   d. totalitarian

143. Before working for Tuttle-Smith, Mr. Perz ____ seven years as an accounts manager at Dewberry Inc.
   a. hired  
   b. spent 
   c. serviced 
   d. employed

144. Surveys of likely voters show that neither candidate ____ much confidence.
   a. elects  
   b. politicizes 
   c. inspires 
   d. nominates

145. A spokesperson for Magnolia said that the parts were being recalled because tests revealed structural ____ in a small percentage.
   a. flaws  
   b. errors 
   c. mistakes 
   d. liabilities

146. On April 1, parking fees in downtown will rise to $0.50 per half hour, with a maximum of four ____ hours in any one parking space.
   a. prolonged  
   b. occupied 
   c. constant 
   d. continuous

147. The Board of Education is reviewing the current licensing ____ for middle school and high school teachers.
   a. factors  
   b. necessities 
   c. installments 
   d. requirements

148. The Environment Protection Center’s success is due to the ____ of more than 40 volunteers.
   a. allocation  
   b. continuity 
   c. efforts 
   d. attempts

149. ____ for having hosted various members of the royal family, the Royal Sunrise is considered one of the top luxury hotels in the world.
   a. Attainable  
   b. Renowned 
   c. Extravagant 
   d. Fundamental

150. Chef Diego was hailed as one of the most ____ people in the gastronomy world by Moments magazine.
   a. fulfilling  
   b. indisputable 
   c. influential 
   d. justifiable
This passage is about migrating birds.

It is a well known fact that migrant birds need to accumulate sufficient fuel, in the form of fat, before undertaking long, demanding flights. Research by ornithologists at the International Center for Migratory Bird Research suggests that, for at least one species, overweight birds have a surprising advantage over their skinnier flock mates: speed in completing the trip.

The researchers investigated the garden warbler, a small bird that migrates annually from central and southern Africa to its breeding grounds in Europe. The birds face the challenge of passing a huge ecological barrier, the Sahara Desert. The arduous journey requires them to expend large amounts of energy, which is obtained from stored fat reserves. The birds stop frequently along their route to eat and replenish their fat stores, a time-consuming process.

The fatter birds are apparently able to fly farther between refueling sessions, and thus arrive at their breeding grounds significantly earlier. Because there is ordinarily fierce competition for choice breeding sites, arriving early affords a distinct advantage.

To help quantify this advantage, ornithologists outfitted two dozen chubby birds and two dozen svelte birds with radio transmitters that tracked the birds’ locations. The birds had all landed on the Italian island of Ventotene on a particular morning. Twenty-two of the plump birds left the island that same night, but all the lean birds remained, averaging an additional 40 hours. All the thinner birds eventually arrived at the breeding site, but some were nearly two weeks behind the last of the heavy birds.

Most ornithologists have assumed that migration times are chiefly affected by wind and weather conditions. This latest research adds a new variable to the equation.

151. According to the passage, what is an advantage enjoyed by heavy garden warblers?
   a. better breeding sites
   b. faster flying speeds
   c. more choices of mates
   d. increased protection against cold

152. What is implied about the garden warbler migration?
   a. It has been affected by human activities.
   b. It is physically challenging for the birds.
   c. It is not well understood by ornithologists.
   d. It is among the world’s largest bird migrations.

153. What did the two groups of birds have in common?
   a. They flew at the same speed.
   b. They ate the same kinds and amounts of food.
   c. They arrived at the same place on the same day.
   d. They began their migration from the same location.

154. What did the researchers find?
   a. Thinner birds laid fewer eggs.
   b. The thinner birds had made fewer migrations.
   c. Heavier birds completed the migration quicker.
   d. The offspring of heavier birds matured more quickly.

155. What is the new variable referred to in the last sentence?
   a. weather conditions
   b. breeding sites
   c. wind speed
   d. bird weight
This passage is about human memory.

Human memory is a complex process, in which several different areas of the brain act in conjunction with one another, and with many distinct categories that can be recognized.

An elementary distinction is the dichotomy between short-term memory and long-term memory. The former refers to relatively unimportant information that does not need to be retained for very long – for example, what color shirt a coworker wore yesterday, or how many empty seats there were on the bus this morning. The latter refers to information that is relatively essential to retain indefinitely – for example, how many children you have, or where you were raised.

Another important dichotomy distinguishes between explicit memory and implicit memory. Explicit memory involves memories of facts and events, as well as your awareness of knowing these things. For example, you know that you are human, that you do not have classes on Saturdays, and that your brother is taller than you.

Implicit memory involves memories of things like skills and habits that you are not consciously aware of knowing. For example, ordinarily, you do not consciously remember how to tie your shoes, or throw a ball, or drive a car. There is often some interplay between explicit and implicit memory, with explicit memories becoming implicit over time, or through practice and repetition.

The brain’s complicated storage and retrieval system distributes memories across several structures. One crucial brain structure is the cerebral cortex, the folded and convoluted outermost surface, where most short-term memories are stored. Another critical structure is the hippocampus, which, while not a storage area itself, plays a vital role in transforming short-term memories into long-term memories. Without the hippocampus, no long-term memories can be made. Long-term memories themselves are maintained by stable connections of specialized cells called neurons, an estimated 100 billion of which form intricately woven networks throughout the brain.

156. What does the passage mainly describe?
   a. methods for improving memory
   b. different types of memory in humans
   c. a recent scientific research project
   d. brain structures involved in memory storage

157. What does the word latter in the third sentence of the second paragraph refer to?
   a. an example
   b. a dichotomy
   c. long-term memory
   d. short-term memory

158. According to the passage, what is the major distinction between explicit and implicit memories?
   a. the degree of awareness of the memory
   b. how easily the memory is accessed
   c. the relative importance of the memory
   d. which brain structure processes the memory

159. According to the passage, what is one function of the hippocampus?
   a. processing implicit and explicit memories
   b. storing and retrieving short-term memories
   c. maintaining connections among networks of neurons
   d. creating long-term memories from short-term memories

160. What is suggested about implicit memories?
   a. They are consciously remembered.
   b. They can be created through training.
   c. They can be transformed into long-term memories.
   d. They are more easily forgotten than explicit memories.
This passage is about the work of Emile Durkheim.

David Emile Durkheim is generally considered the principal architect of modern sociology. In 1893, Durkheim published *The Division of Labor in Society*, which laid out his fundamental views of the nature and development of human society. Durkheim focused on how traditional and modern societies differ in their division of labor, and how this relates to the maintenance of social order.

Durkheim argued that traditional societies were homogenous, in terms of shared ethnic, religious, and other cultural factors, and that these similarities helped to maintain order and cohesion; for example, a community of self-sufficient subsistence farmers, in which most people are in similar circumstances, is held together by a common heritage and common jobs. Modern societies, in contrast, are heterogeneous in terms of religious and ethnic backgrounds, and have a highly complex division of labor, with specialized job functions. This, in turn, creates novel social roles and dependencies among people who must rely on each other to fulfill their material and social needs.

Durkheim's work centered primarily on how heterogeneous societies maintain integrity and coherence, given the lack of a shared common identity. He examined the different functions and qualities of each constituent element of a society as a whole: its norms, customs, traditions, and institutions. This approach came to be known as functionalism.

Durkheim likened traditional societies to complex machines composed of many integrated parts, each having specific functions; thus, traditional societies were "mechanical." This was contrasted with his view of modern societies as "organic," and his use of biological analogies to conceptualize the structure and functions of social systems: the various organs of an organism work together to maintain a healthy body in much the same way that various societal institutions work together to maintain social order.

161. According to the passage, what did Durkheim's research mainly concern?
   a. how religions shape culture
   b. how societies preserve social order
   c. how customs differ among societies
   d. how modern societies developed from traditional societies

162. What are the farmers mentioned in the second paragraph intended to illustrate?
   a. an organic society
   b. a novel social role
   c. a labor-intensive job
   d. a homogenous group

163. What difference between traditional and modern societies did Durkheim recognize?
   a. the use of technology
   b. the methods of farming
   c. the degree of job specialization
   d. the number of cultural traditions

164. What can be inferred about Durkheim's work?
   a. It grew out of functionalism.
   b. It focuses on societies' institutions.
   c. It was rejected by other sociologists.
   d. It sees the individual as the basic unit.

165. How did Durkheim view modern societies?
   a. as coherent
   b. as machines
   c. as organisms
   d. as homogenous
This passage is about oceanic bioprospecting.

Over the past 30 years or so, the search for valuable natural compounds that can be exploited commercially has increasingly turned to the world's oceans, driven by advances in technology.

In recent years, a field known as bioprospecting has emerged, in which marine scientists and others look for ocean-dwelling life forms that contain, or can produce, substances that are of use to a variety of industries – in particular, medicine. Many of the species of interest have developed unique biological and physiological adaptations that allow them to live in extreme environments, such as those found in the frigid polar waters, at the ocean's deepest depths, or near scalding water rising from undersea vents. These species, known as extremophiles, are seen by bioprospectors as a genetic resource with enormous potential value.

Because extremophiles are found in remote, harsh, and often unexplored areas, they have been largely ignored as resources. However, recent technological developments, particularly advances in remotely piloted submersible vehicles, robotics, and undersea imaging techniques, have allowed bioprospectors to open up new areas for exploration, many in delicate and sensitive environments. This in turn, has led to calls by environmentalists for legislation that protects these areas and regulates the search for, and development of, these genetic resources.

Currently, there is no systematic, universally recognized set of regulations in place to safeguard against the uncontrolled collection and exploitation of genetic resources in international waters.

Before any meaningful legislation can be drafted, several key issues will need to be addressed: the lack of knowledge about the ocean's ecosystems, many of which are unexplored; the impacts that human activities, including scientific research and fishing have on these ecosystems; whether development of commercial products from genetic resources from international waters should be regulated, and if so, how.
TEST 4 VOCABULARY REVIEW

WORD FORMATION: NOUNS ENDING IN -TION, -SSION AND -SION

1 Complete the table with the correct noun forms of the verbs in the box.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>-tion</td>
<td>-ssion</td>
<td>-sion</td>
</tr>
<tr>
<td>1</td>
<td>anticipation</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>consultation</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>designation</td>
<td></td>
</tr>
</tbody>
</table>

MEANING OF NOUNS

2 Now complete the sentences with the nouns from Exercise 1. You may need to use the plural form.

1 Writers and parents are protesting against the _______ of children’s books into “girls’ books” and “boys’ books,” a practice which promotes gender stereotyping.
2 The National Association of the Deaf has complained that the majority of hotels make no _______ whatsoever for communicating with their deaf clients.
3 Fans waited for hours outside the concert hall in _______ of seeing their idol.
4 A historical commission has voted unanimously for the childhood home of Steve Jobs, founder of Apple Computers, to receive the _______ of “historic city property.”
5 All _______ for the Young Scientist of the Year competition must be registered with the judging panel before the end of this month.
6 It is essential that managers introduce staff communication and _______ programs, where every member of the team can voice their opinion and offer their ideas.
7 Many campaigners believe that strengthening social _______ in local communities is the key to reducing crime and anti-social behavior.
8 The authorities refused to make any _______ to the protestors and ordered them to leave the building at once.

WORDS WITH SIMILAR MEANINGS

3 Cross out one word in each group of words which is NOT a synonym (or near synonym) of the other words in the group.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>a plump / chubby / harsh baby</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>to safeguard / surmise / infer meaning from somebody’s words</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>a consultation / conflict / confrontation between opposing sides</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>a(n) error / disease / flaw in the program</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>similar / analogous / elemental features of anatomy</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>a(n) demanding / arduous / artificial task</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>a(n) skinny / overweight / svelte figure</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>adjust / accelerate / regulate the temperature using the control panel</td>
<td></td>
</tr>
</tbody>
</table>
MEANING OF VERBS

4 Complete the pairs of sentences with the verbs given.

1 submitted / succumbed
   His colleagues made valiant efforts to save him but in the end the soldier _______ succumbed _______ to his wounds.
   We were ______ submitted _______ to a humiliating body search before being allowed into the hotel.

2 prohibited / restricted
   Access to the embassy is ______ restricted _______ to embassy staff and licensed visitors.
   Entrance to the military facility is strictly ______ prohibited _______ – nobody must pass this point.

3 conceded / conceived
   The politician ______ conceded _______ that mass collection of private data by the US government may be unnecessary.
   The board of directors and CEO have ______ conceived _______ a new strategy to increase both profits and market share.

4 pledged / endorsed
   The minister of the environment ______ pledged _______ to reduce CO₂ emissions by 80% by 2050.
   The minister of the environment ______ endorsed _______ a newly unveiled scheme to reduce CO₂ emissions in all government buildings.

5 transmitted / transferred
   The deadly Ebola virus is ______ transmitted _______ through direct contact with the blood of an infected person.
   Patients are being ______ transferred _______ to inland hospitals after the tsunami warning lead to widespread evacuations.

6 proposed / nominated
   The mayor ______ proposed _______ that the new policy should be applied to all public servants and officers working for state-run departments.
   The striking workers ______ nominated _______ Jeremy Clarke as their spokesperson for the bilateral talks with the management.

7 adjusted / amended
   The new office chairs can be ______ adjusted _______ for height and angle, according to the preferences of each person who sits in them.
   The text as it stands contains several errors of fact, as well as spelling and punctuation, and I suggest that it be ______ amended _______.

8 aroused / applauded
   Campaigners have ______ applauded _______ measures designed to improve conditions in overcrowded prisons.
   The prisoners were held in conditions which ______ aroused _______ widespread condemnation, including long periods of time in solitary confinement.

TOPIC VOCABULARY: ALZHEIMER’S DISEASE

5 Complete the text with the words in the box.

- accumulate  - coherence  - findings  - hippocampus  - latter  - neurons  - primarily  - significant

Alzheimer’s Disease (AD) is a disorder in which brain cells (or (1) ______ neurons ______) deteriorate, resulting in the loss of cognitive functions, (2) ______ primarily ______ memory, reasoning, movement coordination and speech (3) ______ coherence ______. The condition predominantly affects the cerebral cortex and (4) ______ hippocampus ______, and leads to nerve cell death and tissue loss throughout the brain. Over time, the brain shrinks, affecting nearly all its functions.

The two most obvious physical (5) ______ findings ______ in the cells of brains affected by AD are neuritic plaques and neurofibrillary tangles. The former are abnormal clusters of protein fragments which (6) ______ accumulate ______ in excessive numbers between the nerve cells, while the (7) ______ latter ______ consist of twisted strands of another protein. Another (8) ______ significant ______ factor in AD is the reduced presence of a substance called “acetylcholine” in the cerebral cortex.
WORD FORMATION: Nouns

6 Complete the table with the correct noun forms of the verbs and adjectives. Sometimes there is more than one noun form.

<table>
<thead>
<tr>
<th>Verb</th>
<th>Adjective</th>
<th>Noun</th>
</tr>
</thead>
<tbody>
<tr>
<td>allocate</td>
<td>allocated</td>
<td>1 allocation</td>
</tr>
<tr>
<td>brighten</td>
<td>bright</td>
<td>2 brightness</td>
</tr>
<tr>
<td>shorten</td>
<td>short</td>
<td>3 shortage / shortness</td>
</tr>
<tr>
<td>postpone</td>
<td>postponed</td>
<td>5 postponement</td>
</tr>
<tr>
<td>continue</td>
<td>continued</td>
<td>6 continuation / continuity</td>
</tr>
<tr>
<td>defer</td>
<td>deffered</td>
<td>7 deferral / deferment</td>
</tr>
<tr>
<td>disturbe</td>
<td>disturbing</td>
<td>8 disturbance</td>
</tr>
</tbody>
</table>

MEANING OF NOUNS

7 Now complete the sentences with the nouns from Exercise 6.

1 You've lost all the files, updated the wrong program and missed three client appointments – your ____ incompetence ____ is unbelievable!

2 You need to adjust the ____ brightness ____ setting on your camera – there is so much light in the photos that you can't see the people's faces.

3 Knighton hospital has to reduce the number of beds in its wards from 13 to 7 due to a staff ____ shortage ____.

4 The school's ____ allocation ____ of funding from central government has been reduced by 10% and teachers have warned that the school will no longer be able to function effectively.

5 Retiring workers will have to wait through a ____ deferral/deferment ____ period of between six months and a year, during which their pension claim will be examined.

6 It is important that day care teachers stay in their posts for a minimum of one year – ____ continuity ____ of staff is vital for young children who can become confused or upset by frequent changes of teacher.

7 The ____ postponement ____ of today's meeting was unavoidable as nearly all the members of the team are down with a virulent stomach bug – the meeting has been rescheduled for next Monday.

8 A private security firm has confirmed that a ____ disturbance ____ erupted at Greenwood Prison and that three prison officers were injured during the incident.

MEANING OF VERBS

8 Choose the correct answers.

1 What ____ the ideal weight loss program is something experts are continuously debating.
   a constitutes  b conceptualizes

2 Her unethical behavior was ____ reason enough to have her removed from her position as head teacher.
   a deemed  b tended

3 The governing party needs to better ____ the public mood in terms of housing and welfare provision, if they are to be given the electorate's trust.
   a gauge  b urge

4 The company's policy is to ____ the market with product advertising, including TV commercials, posters, leaflets and magazine advertising, in an effort to improve annual sales and profits.
   a exploit  b saturate

5 Investigators were unable to ____ the exact causes of the tragic plane crash which took the lives of 15 passengers and crew members.
   a prolong  b pinpoint

6 All departments are expected to ____ their spending by at least 10% this year in order to meet management targets for lowering overall company costs.
   a trim  b steer