

國立嘉義高級中學 107 學年度科學班甄選入學科學能力檢定—英語成就測驗

一、生字暨文法選擇 (共 25 題，每題 2 分，占 50 分)

1. We are available 24 hours a day and can be contacted outside office hours if difficulties _____.
(A) arise (B) sink (C) knock (D) arrest
2. She expects to _____ her own record for the 400 meters at next year's Olympic Games.
(A) die (B) beat (C) allow (D) mix
3. He _____ the wallpaper for his own room --- white and blue with small seagulls on it.
(A) grew (B) woke (C) chose (D) bore
4. The cup was passed around the room until everyone had _____ from it.
(A) flown (B) bled (C) crept (D) drunk
5. Fish usually won't feed if the water _____ falls below 9 degrees Celsius.
(A) temperature (B) disease (C) factory (D) wisdom
6. It was so _____. I forgot my math teacher's name.
(A) heavy (B) embarrassing (C) present (D) helpful
7. Seeing myself in the mirror gave me a _____. I looked so old and ill.
(A) shock (B) hobby (C) locker (D) hook
8. The wind had blown my shirts away, but my _____ and underwear were still hanging on the washing-line.
(A) efforts (B) crimes (C) cases (D) socks
9. The pirates must have hidden the _____ somewhere on the island.
(A) editorials (B) accidents (C) treasure (D) feelings
10. The large concert hall _____ three thousand people.
(A) holds (B) delays (C) promotes (D) strikes
11. Stepping inside her office, she leaned back on the closed door and took a deep _____.
(A) kneel (B) breath (C) wire (D) shelter
12. Linda, working in a travel _____, has the chance to buy inexpensive plane tickets for herself.
(A) agent (B) stain (C) album (D) carpet
13. Some birds, such as penguins and ostriches, have lost the _____ to fly.
(A) drug (B) ability (C) theater (D) soldier
14. It makes me so angry to see animals in _____.

- (A) cages (B) beggars (C) grapes (D) actions
15. I was responsible for making sure our machinery ran _____.
(A) bitterly (B) sadly (C) smoothly (D) locally
 16. I want to talk to Jeff, but I don't know _____.
(A) what is his address
(B) where is his house
(C) what his number is
(D) how can she have the number
 17. This is the museum _____ I visited last month.
(A) where (B) whom (C) which (D) what
 18. To keep early hours _____ us healthy.
(A) make (B) to make (C) making (D) makes
 19. We could go shopping because it stopped _____.
(A) rain (B) to rain (C) raining (D) rained
 20. _____ a new swimming pool _____ in our school last year?
(A) Is ; built (B) Was ; built (C) Does ; build (D) Did ; build
 21. Our science teacher told us that light _____ faster than sound.
(A) travels (B) traveled (C) to travel (D) traveling
 22. I _____ Lisa since she was a little girl.
(A) know (B) knew (C) am knowing (D) have known
 23. The news on TV _____ not always true. Those pieces of news _____ not confirmed yet.
(A) is ; are (B) are ; is (C) is ; is (D) are ; are
 24. Some people had doubts about _____ it was right to keep slaves.
(A) or (B) although (C) what (D) whether
 25. He was exhausted but he knew he had to keep on _____.
(A) go (B) going (C) to go (D) gone

二、克漏字選擇 (共 16 題，每題 2 分，占 32 分)

__26__ do children become adults? In the United States, people can drive a car at age fifteen or sixteen. Many teenagers feel they are adults when they can drive. Usually, parents do not __27__. They do not think their children are adults yet.
At age seventeen, young people can __28__ the army without their permission. But

most people believe that young people become adults at age eighteen. This is when people usually __29__ from high school. It is when most people go to college or get a full-time job. It is also when people can vote. And in most states, people must be eighteen years old to get married without their parents' permission.

Almost everyone agrees that a person is an adult when he or she gets a job, get married, or moves __30__ his or her parents' home.

26. (A) Where (B) When (C) Which (D) What
27. (A) agree (B) celebrate (C) share (D) discover
28. (A) call (B) notice (C) join (D) explain
29. (A) graduate (B) interview (C) inform (D) suffer
30. (A) with (B) for (C) out of (D) at

My name is Ted. I live near Chicago. I work in an electronics store at the mall. A friend of mine, Mickey, __31__ there with me. Mickey is an Irish-American. And I am an African-American. When I got married, I invited Mickey to the wedding.

It was a beautiful wedding. The church was filled with flowers. My wife wore a long white dress. I wore a tuxedo. All the guests were in formal clothes too, __32__ Mickey.

__33__ the minister said, "You are now husband and wife," we kissed. Then my sister came to the front of us. In our formal wedding clothes, my wife and I jumped over the broom. I looked at Mickey, __34__ was trying to be polite but looked __35__ surprised. Actually, my wife and I were following an old African-American wedding custom. It goes back to the time of slavery. Slaves could not get married in church. Jumping over the broom was a way to marry without a church or a minister. We were honoring our African-American __36__. The broom was from my family. My parents and grandparents jumped over it at their weddings too. Irish-Americans do not have the __37__ custom. I knew Mickey would be surprised.

31. (A) work (B) worked (C) works (D) working
32. (A) according (B) including (C) judging (D) carrying
33. (A) But (B) Therefore (C) After (D) However
34. (A) who (B) which (C) whose (D) whom
35. (A) enough (B) so (C) much (D) many
36. (A) pilots (B) lawyers (C) partner (D) ancestors
37. (A) same (B) broad (C) talkative (D) little

It may not be easy to find the connection between remote controls and TV commercials, but there is surely a connection in-between. While it allows us to switch channels fast and easy, it gives us the power to __38__ commercials and find something else to watch, something that __39__ us. That is why companies have been looking for new methods to make their product __40__ again by the audience—and they have succeeded. If you pay attention to the scenes of various programs, __41__, news and films, you will surely notice different logos flickering on the screen, giving no chance for the audience to escape from seeing them. That is what we call the product placement.

38. (A) skip (B) shoot (C) enjoy (D) wonder
39. (A) interesting (B) interests (C) to interest (D) is interested in
40. (A) see (B) to see (C) seen (D) be seen
41. (A) as a result (B) that is (C) in addition (D) for example

三、閱讀測驗 (共 6 題，每題 3 分，占 18 分)

Over the last decade, technology has been rapidly changing in every possible way. Specially-designed AI robots are being sent into a nuclear power plant in Japan to clean up the radiation leaks caused by tsunami. 3D-printed facial prosthetics, the most eye-catching medical innovation in the United States, can rebuild not only faces but the patient's once-ruined lives. Imagine a 3D-printed nose, or a 3D-printed ear! As you can see, AI robots will loyally do any kind of dangerous job for human beings. Medical innovations are helping people to live longer and healthier lives. Yes, we human beings do benefit a lot from modern technology.

Although technology has undoubtedly improved our lives, it has worsened some aspects as well. Think for ourselves: Are we becoming slaves to our own technology? The situation might have become worse than we imagine. First of all, technology can destroy human relationships. Nowadays people communicate via messenger software instead of talking in person. There is no "face-time" for human interaction. No wonder people say that smart phones lead to dumb people. Secondly, new technology has changed all walks of life. Compared with AI robots, flesh-and-blood firefighters may be laid off and blue-collar workers on assembly lines may be fired. In the end, will medical innovations create a monster in the future, like in the novel, "Frankenstein"? There are the things that we have to take into consideration. To strike a balance, we should keep in mind human beings should be the masters of technology and that technology should not exceed humanity.

42. What is the best title of the article?

- (A) How technology has improved and worsened our lives.
- (B) What the robots can do for human beings
- (C) The history of technological development
- (D) The change of all walks of life

43. Technology can destroy relationships because_____

- (A) People nowadays enjoy communication face to face.
- (B) People tend to communicate via messenger software.
- (C) human interaction is what modern people care the most.
- (D) People are getting dumber and dumber.

44. Which of the following statements is TRUE?

- (A) Medical innovations can hardly help people live longer and healthier lives.
- (B) People would hire flesh-and-blood workers rather than robots to get things done.
- (C) Human beings should be the slaves to modern technology.
- (D) 3D-printed facial prosthetics can rebuild not only faces but the patient's once-ruined lives.

I had managed to sell all my papers and was coming home in the snow. In downtown New York, workers were pouring homeward in the twilight. I marched among thousands of tired men and women whom the factory whistles had *unyoked*.

I met my father near Cooper Union. I saw him, a hunched, frozen figure in an old overcoat standing by a banana cart. He looked so lonely. The tears came to my eyes. Then he saw me, and his face lit with his sad, beautiful smile.

"Ah, it's Mikey," he said. "So you have sold your papers! Come and eat a banana."

I refused it. I felt it crucial that my father sell his bananas, not give them away. He thought I was shy, and coaxed and joked with me, and made me eat the banana. It smelled of wet straw and snow.

"You haven't sold many bananas today, Pa," I said anxiously.

He shrugged his shoulders. "What can I do?" No one seems to want them.

It was true. The rusty sky darkened over New York buildings; the tall street lamps were lit; innumerable trucks, streetcars and elevated trains clattered by. Nobody and nothing in the great city stopped for my father's bananas.

"I ought to yell," said my father dolefully. "I ought to make a big noise like other

peddlers, but it makes my throat sore. Anyway, I am ashamed of yelling. It makes me feel like a fool."

"I'll yell for you, Pa," I volunteered.

"No," he said, "go home; you have worked enough today. Just tell Ma I'll be late."

But I yelled and yelled. My father, standing by, spoke occasional words of praise, and said I was a wonderful yeller. Nobody else paid attention. Thousands of strange, silent figures poured over the sidewalks in snow. None of them stopped to buy bananas. I yelled and yelled, but nobody listened.

My father tried to stop me at last. He consoled me with a big smile, "That was wonderful yelling, Mikey. But it's plain we are unlucky today! Let's go home."

I was frantic, and almost in tears. I insisted on keeping up my desperate yells. But at last my father took me firmly by the hand and led me home.

45. What is the theme of the story?

- (A) The misery of the factory workers.
- (B) Love between the father and the son.
- (C) How to survive in a harsh environment.
- (D) Generation gap between the father and the son.

46. Which of the following is intended to be a pair of contrast in the passage?

- (A) Moving crowds and street traffic.
- (B) Clattering trains and peddlers' yells.
- (C) Weather conditions and street lamps.
- (D) Huge crowds and lonely individuals.

47. The word "unyoked" in the first paragraph is closest in meaning to

- (A) released
- (B) lingered
- (C) dispatched
- (D) removed