| I. | I. Vocabulary: (20%) | | | | | |
|--|---|--------------------------|--------------------------|--------------------------------|--|--|
| 1. | Voice over Internet Protocol (VoIP) allows the Internet to be used for telephone communication. | | | | | |
| | Data is by the caller's computer, and sent in tiny units (called packets). | | | | | |
| | (A) depressed | (B) compressed | (C) suppressed | (D) oppressed | | |
| 2. | Portable generators are r | nade up of two main p | parts: an engine, which | h powers the equipment, and | | |
| | an alternator, which motion into electricity. | | | | | |
| | (A) converts | (B) shrinks | (C) modifies | (D) distorts | | |
| 3. | In everyday personal con | mputing, computers are | e attached to a range of | of, some of which are | | |
| | input devices such as sca | nners and some of whi | ch are output devices s | such as laser printers. | | |
| | (A) interface | (B) communications | (C) peripherals | (D) qualifications | | |
| 4. | The original product | for the EZ-Kleen | vacuum cleaner do n | ot reflect the correct quality | | |
| | requirements. Kay factors like reliability, maintainability, and safety have been neglected and s | | | | | |
| | sales have fallen. | | | | | |
| | (A) ingredients | (B) dimensions | (C) parameters | (D) specifications | | |
| 5. | An LED is a device the | nat visible ligh | t when en electric cu | urrent passes through it. To | | |
| | manufacture LEDs, semi | conductors are combin | ed with phosphors. | | | |
| | (A) simulates | (B) emits | (C) pumps | (D) sprays | | |
| 6. | Industrial engineers can | work almost anywhe | ere. Some work in pl | aces like car manufacturing | | |
| | plants or food processing | g plants while others wo | ork in health care | _• | | |
| | (A) appliances | (B) logistics | (C) modules | (D) facilities | | |
| 7. | • | | - | n to an onboard computer on | | |
| | - | e sensors can detect | near the car, such | as other cars, pedestrians, or | | |
| | walls. | | | | | |
| | (A) rockets | ` ' • | ` ' | (D) elements | | |
| 8. | | | _ | on main roads to ensure safe | | |
| | speeds are maintained an | · · | | | | |
| | (A) collision | (B) navigation | (C) precision | (D) corrosion | | |
| 9. | I have a very arran | | | | | |
| | (A) durable | (B) flexible | (C) inevitable | (D) profitable | | |
| 10. | | | increase for the comp | pany executives because the | | |
| | company was losing mor | • | | | | |
| | (A) reliable | (B) lubricant | (C) moderate | (D) reluctant | | |
| II. | Cloze Test: 從四個選項 | 中,挑出最適合文章 | 内容的答案 (80%) | | | |
| _ | | | | | | |
| Pa | ssage A: Phones Into P | | | | | |
| | | _ | | occasionally in pouring rain, | | |
| | - | _ | | hecks his cell phone for text | | |
| messages(11) him that the greenhouse's climate needs(12) He can(13) the | | | | | | |
| humidity or temperature using his phone or computer, all from the comfort of his home. | | | | | | |
| 11. | ` ' | (B) informs | (C) informed | (D) informing | | |
| 12. | . (A) adjust | (B) adjusts | (C) adjusted | (D) adjusting | | |

| 13. | (A) impose | (B) eliminate | (C) tweak | (D) apply | |
|---|--|---|---|---|--|
| | Bacak is one of me | ore than 100 farmers | using wireless opera | ator Turkcell's network and | |
| software to remotely tend their crops. After(14) on to Turkcell's Web site, the farmer can | | | | | |
| (15) | alert conditions. | Sensors in the greenho | ouse(16) the cl | imate and transmit data over | |
| the ce | llular network to the v | regetable grower's dev | ice of choice. The farr | ner can text a query for data, | |
| or if tl | he soil is too dry, he red | ceives an alert and can | text a(17) to sta | rt irrigation. | |
| 14. | (A) surfing | (B) logging | (C) checking | (D) signing | |
| 15. | (A) make | (B) get | (C) set | (D) catch | |
| 16. | (A) monitor | (B) supervise | (C) manage | (D) assemble | |
| 17. | (A) demand | (B) command | (C) reduction | (D) production | |
| | (18) the conve | enience, the system car | also translate to bette | er profits. In the past, farmer | |
| Kema | lettic Aksoy lost arour | nd 30% of his 400-ton | tomato crop(19) | _ frost. By the time he got to | |
| the gr | eenhouse to(20) | the heat, it was too lat | e for many plants. No | w when a text warns him of a | |
| frost r | risk, he can respond rig | ght away. He estimates | s having saved 80,000 | Turkish lira (about \$51,000) | |
| by pre | eventing the spread of v | viruses(21) frost | , thanks to Turkcell. | | |
| 18. | (A) To sum up | (B) Far from | (C) In terms of | (D) In addition to | |
| 19. | (A) because | (B) due to | (C) speaking of | (D) in spite of | |
| 20. | (A) spice up | (B) look up | (C) catch up | (D) turn up | |
| 21. | (A) to | (B) in | (C) from | (D) with | |
| | | | | | |
| Passa | ge B: RFID Inside | | | | |
| Then, in 2004, the U.S. Food and Drug Administration, which(22) medical devices in | | | | | |
| | Then, in 2004, the C | J.S. Food and Drug Ad | aministration, which _ | _(22) medical devices in | |
| the U | | _ | | as a means of accessing a | |
| | | _ | | | |
| | nited States, approved | _ | | | |
| person | nited States, approved n's health records. (A) resists | d an RFID tag for im (B) regulates | nplantation in humans (C) refines | as a means of accessing a | |
| person 22. | nited States, approved a's health records. (A) resists This tag, called Veri | d an RFID tag for im (B) regulates Chip, is a short-range | (C) refines transponder that relies | as a means of accessing a (D) attaches | |
| person 22. | nited States, approved a's health records. (A) resists This tag, called Verior its power supply. We have a supply of the content of the con | d an RFID tag for im (B) regulates Chip, is a short-range Then(23) a varyi | (C) refines transponder that relies ng magnetic field from | as a means of accessing a (D) attaches s on the signal from a reader | |
| person 22. unit fo | nited States, approved a's health records. (A) resists This tag, called Verior its power supply. We up and repeatedly(2) | d an RFID tag for im (B) regulates Chip, is a short-range Then(23) a varyi | (C) refines transponder that relies ng magnetic field from that is unique(25)_ | as a means of accessing a (D) attaches s on the signal from a reader the reader, the chip powers | |
| person 22. unit fo | nited States, approved a's health records. (A) resists This tag, called Verior its power supply. We up and repeatedly(2) | d an RFID tag for im (B) regulates Chip, is a short-range Then(23) a varyi 24) a 16-digit code already had tags impla | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. | as a means of accessing a (D) attaches s on the signal from a reader the reader, the chip powers | |
| person 22. unit for itself in compa | nited States, approved a's health records. (A) resists This tag, called Verior its power supply. We up and repeatedly(2 any, 2000 people have | d an RFID tag for im (B) regulates Chip, is a short-range Then(23) a varyi 24) a 16-digit code already had tags impla | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. | as a means of accessing a (D) attaches s on the signal from a reader n the reader, the chip powers the tag. According to the | |
| person 22. unit for itself it compa | nited States, approved a shealth records. (A) resists This tag, called Verior its power supply. We up and repeatedly(2 any, 2000 people have (A) exposing to | (B) regulates Chip, is a short-range Then(23) a varyi 24) a 16-digit code already had tags impla (B) expose to | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. (C) exposed to | as a means of accessing a (D) attaches s on the signal from a reader the reader, the chip powers the tag. According to the (D) exposes to | |
| unit for itself | nited States, approved a's health records. (A) resists This tag, called Verification its power supply. We up and repeatedly(2 any, 2000 people have (A) exposing to (A) transmits (A) to | (B) regulates Chip, is a short-range Then(23) a varyi 24) a 16-digit code already had tags impla (B) expose to (B) adapts (B) in | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. (C) exposed to (C) inspects (C) from | as a means of accessing a (D) attaches s on the signal from a reader the reader, the chip powers the tag. According to the (D) exposes to (D) inserts | |
| person 22. unit for itself to compa 23. 24. 25. | nited States, approved a's health records. (A) resists This tag, called Verification its power supply. We up and repeatedly(2 any, 2000 people have (A) exposing to (A) transmits (A) to The VeriChip tag is proved. | (B) regulates Chip, is a short-range Then(23) a varyi 24) a 16-digit code already had tags impla (B) expose to (B) adapts (B) in part of a health informa | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. (C) exposed to (C) inspects (C) from tion system called Ver | as a means of accessing a (D) attaches s on the signal from a reader in the reader, the chip powers the tag. According to the (D) exposes to (D) inserts (D) with | |
| person 22. unit for itself to compa 23. 24. 25. | nited States, approved a shealth records. (A) resists This tag, called Verification its power supply. We up and repeatedly(2 any, 2000 people have (A) exposing to (A) transmits (A) to The VeriChip tag is proposed to the points to applicated chip points to a shear the | (B) regulates Chip, is a short-range Then(23) a varyi 24) a 16-digit code already had tags impla (B) expose to (B) adapts (B) in part of a health informa a record in a database | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. (C) exposed to (C) inspects (C) from tion system called Ver(27) the patient | as a means of accessing a (D) attaches s on the signal from a reader in the reader, the chip powers the tag. According to the (D) exposes to (D) inserts (D) with iMed. The code(26) in | |
| person 22. unit for itself it compa 23. 24. 25. the im- health | nited States, approved a's health records. (A) resists This tag, called Verification its power supply. We up and repeatedly(2 any, 2000 people have (A) exposing to (A) transmits (A) to The VeriChip tag is puplanted chip points to a records. By scanning | (B) regulates Chip, is a short-range Then(23) a varying 24) a 16-digit code already had tags implated (B) expose to (B) adapts (B) in the part of a health information a record in a database as a person's chip, care | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. (C) exposed to (C) inspects (C) from tion system called Ver(27) the patient egivers can(28) | as a means of accessing a (D) attaches s on the signal from a reader in the reader, the chip powers the tag. According to the (D) exposes to (D) inserts (D) with iMed. The code(26) in and containing that patient's | |
| unit for itself at comparison 23. 24. 25. the imhealth enable | nited States, approved a's health records. (A) resists This tag, called Verification its power supply. We up and repeatedly(2 any, 2000 people have (A) exposing to (A) transmits (A) to The VeriChip tag is purple to the records. By scanning the set them to(29) | (B) regulates Chip, is a short-range Then(23) a varying 24) a 16-digit code already had tags implated (B) expose to (B) adapts (B) in the part of a health information a record in a database as a person's chip, care | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. (C) exposed to (C) inspects (C) from tion system called Ver(27) the patient egivers can(28) f people who cannot of | as a means of accessing a (D) attaches s on the signal from a reader in the reader, the chip powers the tag. According to the (D) exposes to (D) inserts (D) with iMed. The code(26) in and containing that patient's an identification code that | |
| unit for itself at comparison 23. 24. 25. the imhealth enable | nited States, approved a's health records. (A) resists This tag, called Verification its power supply. We up and repeatedly(2 any, 2000 people have (A) exposing to (A) transmits (A) to The VeriChip tag is purple to the records. By scanning the set them to(29) | (B) regulates Chip, is a short-range Then(23) a varyi 24) a 16-digit code already had tags impla (B) expose to (B) adapts (B) in part of a health informa a record in a database g a person's chip, care the medical history of | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. (C) exposed to (C) inspects (C) from tion system called Ver(27) the patient egivers can(28) f people who cannot of | as a means of accessing a (D) attaches s on the signal from a reader in the reader, the chip powers the tag. According to the (D) exposes to (D) inserts (D) with iMed. The code(26) in and containing that patient's an identification code that | |
| unit for itself | nited States, approved a's health records. (A) resists This tag, called Verifor its power supply. We up and repeatedly(2 any, 2000 people have (A) exposing to (A) transmits (A) to The VeriChip tag is purple to the records. By scanning the sthem to(29)ties—speeding up their | (B) regulates Chip, is a short-range Then(23) a varying 24) a 16-digit code already had tags implant (B) expose to (B) adapts (B) in the part of a health information a record in a database and a person's chip, care the medical history of a treatment and possibly | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. (C) exposed to (C) inspects (C) from tion system called Ver(27) the patient egivers can(28) f people who cannot of y saving their lives. | as a means of accessing a (D) attaches s on the signal from a reader in the reader, the chip powers the tag. According to the (D) exposes to (D) inserts (D) with iMed. The code(26) in and containing that patient's an identification code that otherwise communicate their | |
| person 22. unit for itself it compa 23. 24. 25. the im health enable identifi 26. | nited States, approved a shealth records. (A) resists This tag, called Verification its power supply. We up and repeatedly(2 any, 2000 people have (A) exposing to (A) transmits (A) to The VeriChip tag is purple to the points to a records. By scanning the estimates them to(29)ties—speeding up their (A) contains | (B) regulates Chip, is a short-range Then(23) a varying 24) a 16-digit code already had tags implaing (B) expose to (B) adapts (B) in the part of a health information a record in a database graph a person's chip, care the medical history of the treatment and possibly (B) contained | (C) refines transponder that relies ng magnetic field from that is unique(25)_ nted. (C) exposed to (C) inspects (C) from tion system called Ver(27) the patient egivers can(28) f people who cannot of y saving their lives. (C) containing | as a means of accessing a (D) attaches s on the signal from a reader in the reader, the chip powers the tag. According to the (D) exposes to (D) inserts (D) with iMed. The code(26) in and containing that patient's an identification code that otherwise communicate their (D) is contained | |

| | VeriChip Corp., a sul | bsidiary of Applied Di | gital Solutions, headq | uartered in Delray, Fla., is also | |
|--------|--|------------------------------|-----------------------------------|-----------------------------------|--|
| prom | oting its device as a se | curity measure. It has | six clients around the | e world, five of(30) use | |
| the ir | nplant as a secondary s | source of(31), s | ays Keith Bolton, vic | e president of government and | |
| interr | national affairs for Veri | Chip. The highest-pro | file example of this a | pplication came in 2004 when | |
| the at | torney general of Mexi | ico and 18 of his staff | had chips(32) | to allow them to gain access to | |
| | n high-security areas. | | 1 — ` /— | C | |
| 30. | (A) them | (B) which | (C) whose | (D) they | |
| 31. | (A) configuration | (B) authentication | ` ' | (D) contamination | |
| 32. | (A) implant | (B) implants | (C) implanted | (D) implanting | |
| 32. | (11) implant | (D) implants | (C) implanted | (D) implanting | |
| Passa | nge C: What Will Plu | g-In Hybrids Mean | for America? | | |
| | You've probably hea | ard a lot about plug-in | vehicles lately. President | dent Obama has called for one | |
| millio | on plug-in hybrid elect | ric vehicles (PHEVs) | to be on U.S. roads | by the year 2015, a move that | |
| woul | d be supported by the A | American Clean Energ | y and Security Act of . | 2009 (HR 2454), which passed | |
| | | | | is already getting into the act: | |
| | • | | | first commercial PHEVs, next | |
| | and Ford also has mod | | - | | |
| 33. | (A) evaluate | (B) collapse | | (D) launch | |
| | ` ' | • | ` ' | on the road today, and that | |
| IEEE | -USA has had a role in | | • | on the road today, and that | |
| | | 11 0 | · . | rehicles, in that it has both an | |
| alaatı | | | • • | hybrids, a PHEV comes with | |
| | | | • | • | |
| | | | | rivers can power their vehicles | |
| | | • | ny amount of fossii i | uel use, which would only be | |
| (36 | _ | | (C) combustion | (D) sommosition | |
| 34. | (A) combination | (B) construction | (C) combustion | (D) composition | |
| 35. | (A) clip | (B) grid | (C) grip | (D) trend | |
| 36. | (A) stretched | (B) fueled | (C) tapped | (D) buckled | |
| | • | | | enges(37): reducing our | |
| | • | | <u> </u> | nent. "PHEVs are a means of | |
| addre | essing both of those goa | ıls," says Gordon Day, | 2009 IEEE-USA Pres | sident. | |
| 37. | (A) rise | (B) raise | (C) arouse | (D) arise | |
| 38. | (A) reliance | (B) animation | (C) calculation | (D) suspense | |
| | "If you want to reduce oil consumption, you look at the transportation(39)," says Day. | | | | |
| "Two | -thirds of all the petrol | eum we consume in th | is country comes fron | n transportation." | |
| 39. | (A) section | (B) department | (C) sector | (D) committee | |
| | The goal, says Day, | is to reduce oil consu | mption at the vehicle | e, where it is harder to capture | |
| dange | erous emissions. "You | 're not going to capto | ure all of the CO ₂ fr | com all of the vehicles in the | |
| count | ery. You want to(40 |) CO ₂ emissions, | if we must have ther | n, to point sources like power | |
| plant | s, where we can(41) | the use of fossil fu | uels with(42) o | r have the opportunity to try to | |
| captu | re CO ₂ at point generat | ors and power plants a | and then store it." | | |

| 40. | (A) secure | (B) shift | (C) congest | (D) confirm | |
|---|---------------------------|----------------------|-----------------------|---------------------------------|--|
| 41. | (A) compare | (B) immerse | (C) manipulate | (D) substitute | |
| 42. | (A) renewables | (B) chemicals | (C) throwaways | (D) composites | |
| Passa | age D: A Breach in the | Green Dam | | | |
| I GOST | 9 | | what a powerful too | I the Internet can be against | |
| oppre | - | | - | f this tug-of-war, as Chinese | |
| | ors have had to admit the | | | <u> </u> | |
| 43. | (A) expose | (B) impose | (C) export | (D) import | |
| | • / • | · / • | · / • | s poised to(44) for all | |
| perso | _ | | | ect today, but last night state | |
| - | - | • | | er be(45)," but it's too | |
| | to say. | erayear we nope that | is code for will heve | 1 00 <u>(10)</u> , out it o | |
| 44. | (A) mandate | (B) dominate | (C) activate | (D) illustrate | |
| 45. | (A) engaged | (B) insulated | (C) implemented | (D) drained | |
| | , , , | • • | ` ' 1 | y does much more. It censors | |
| politi | | | | • | |
| political speech, stores screenshots of users' computers and has the ability to shut down non-Internet applications if a user is typing something it doesn't like. A California-based software company, Solid | | | | | |
| | | | | threatened to sue computer | |
| | • | - | | doesn't work well and it has | |
| | amming flaws that mal | | - | | |
| 46. | (A) static | (B) irrational | (C) convertible | (D) proprietary | |
| 47. | (A) to | (B) in | (C) from | (D) with | |
| | , , | ` / | ` ' | y lobbying: On June 24, U.S. | |
| Trade | | | | | |
| Trade Representative Ron Kirk and Secretary of Commerce Gary Locke sent a letter of(48) to their Chinese counterparts requesting the Green Dam order be(49) They pointed out that the | | | | | |
| | - | - | | • • | |
| policy(50) questions about China's compliance with World Trade Organization rules and put companies in an "untenable position" by requiring them to install flawed software on their machines. | | | | | |
| The European Union Chamber of Commerce also chimed in earlier this week. | | | | | |
| 48. | (A) appraisal | (B) complaint | (C) confidence | (D) suspicion | |
| 49. | (A) provoked | (B) revoked | (C) revolved | (D) solved | |
| 50. | (A) disposed | (B) exerted | (C) concerned | (D) raised | |
| | _ | | | | |