

**I. Vocabulary: Choose the answer that best matches the meaning of each bold word or phrase (20%)**

1. Fungal spores, lighter and smaller than all plant seeds, are mainly **dispersed** from their parent by wind.  
A. spread widely    B. delivered    C. made more stable    D. collected
2. The **devastating** earthquake and tsunami in Fukushima ruined most of the buildings there and killed thousands of lives.  
A. foreboding    B. damaging and harmful    C. bitter    D. intimidating
3. The philosophy of Barack Obama's foreign policy has been **postulated** as "The Obama Doctrine" for the principles it advocates.  
A. disputed    B. dismissed    C. assumed    D. scorned
4. Debates have been stirred on whether inmates should become the **integral** part of the social workforce.  
A. constituent    B. honest    C. extrinsic    D. outward
5. A mistake that was **inadvertently** made by the clerk has cost him his job.  
A. intentionally    B. deliberately    C. carefully    D. accidentally
6. It is **mandatory** that all students, regardless of degree program, take at least five core courses offered by the university.  
A. compulsory    B. optional    C. elective    D. voluntarily
7. The Bumrungrad Hospital, one of the leading international hospitals in the world, is known for treating patients with **state-of-the-art** technology.  
A. very expensive    B. the most advanced    C. fashionable    D. national treasure
8. Clinicians argue that **rigorous** scientific research is not necessary on alternative medicine, but researchers think otherwise.  
A. powerful and forceful    B. scrupulously accurate    C. lenient    D. strenuous
9. Under **optimal** temperature and growth conditions, certain bacteria can have a generation of 15-20 minutes.  
A. unfavorable    B. adverse    C. ideal    D. disagreeable
10. The word "Linsanity" is now in most NBA fan's **vernacular** as a result of Jeremy Lin's stunning breakout performance in these past few weeks.  
A. collection    B. everyday language    C. souvenir    D. password

**II. Sentence Completion: Choose the word that best completes the sentence (10%)**

11. Mary is \_\_\_\_\_ and would never want to be closed in a small room or space.  
A. xenophobic    B. homophobic    C. acrophobic    D. claustrophobic
12. Studies show that \_\_\_\_\_ children are at high risk for a number of conditions, including overweight, high blood pressure and high cholesterol.  
A. slim    B. anorexic    C. obese    D. malnourished
13. The ways web-based social media impact our lives are rather different from the ways traditional media do, the most notable being that social media allow communication to become more \_\_\_\_\_.  
A. interactive    B. hyperactive    C. stagnant    D. torpid
14. According to the International Labor Organization, the recent economic decline is likely to increase the unemployment rate for women as well as to make gender \_\_\_\_\_ in economic policies more visible.  
A. equality    B. discrepancy    C. disparity    D. similarity
15. Children with disabilities are discriminated against and treated as burden mainly due to \_\_\_\_\_ understanding by society and a lack of social supports.  
A. sufficient    B. ample    C. disinterested    D. inadequate

**III. Written Expression: Identify the underlined word or phrase that must be changed in order for the sentence to be correct (14%)**

16. My (A) strong experience, (B) good training, and (C) am a hard worker (D) qualify me for this position.
17. In (A) recent years, some educators argue that it is better for undergraduate students (B) to focus on only one or two subjects than to study a (C) diversified range of different (D) subject.
18. The furniture and refrigerator were (A) delivered (B) promptly to my home, but they were not the style I (C) ordered, and the (D) price was not right either.

19. The saltwater (A) crocodile, the largest of all living (B) reptiles, can travel long (C) distances at sea and is capable of killing any animal that (D) enter its territory.
20. If you are (A) assigned a specific topic for a research paper, you can begin (B) by going to the library to look for (C) informations that (D) is relevant to the topic.
21. According to scientists, if a woman's waist is 70 percent as wide as her (A) hips, she (B) viewed as attractive by most men because the evolution of the brain (C) associates this body figure (D) with fertility.
22. Even though some companies view bribery (A) as illegal, (B) other tolerate it because it is a good way to speed up the (C) completion of a deal and (D) prevent harassment.

**IV. Cloze Test: Choose the best answer for each missing word or phrase in the following passages (20%)**

On the day of Taiwan's presidential election, hundreds of millions of ethnic Chinese worldwide watched the ballot count on TV and the Internet. Taiwan is the sole ethnic Chinese society (23) a second democratic turnover of power. Ethnic Chinese communities around the world (24) their hopes on this crucial political experiment. By succeeding, we can make unparalleled contributions to the democratic development of all ethnic Chinese communities. This responsibility is (25) to fulfill. The new administration's most urgent task is to lead Taiwan through the daunting challenges from globalization. The world economy (26) profoundly, and newly emerging countries are arising rapidly. We must upgrade Taiwan's international (27) and recover lost opportunities. The uncertainty of the current global economy poses as the main challenge to the revitalization of Taiwan's economy. Yet, we firmly believe that, with right policies and steadfast determination, our goals are (28) our grasp. (Source: President Ma's Inaugural Address in 2008)

23. A. to complete    B. has completed    C. completed    D. to completing
24. A. laid            B. is laying            C. have laid        D. will be laying
25. A. yours            B. ours                  C. theirs            D. them
26. A. change          B. is changing        C. had changed    D. changed
27. A. competition    B. competitiveness    C. competitive    D. competitor
28. A. beyond          B. under                C. next to          D. within

The cinema offers a number of possible pleasures. One is scopophilia (a pleasure in looking). There are circumstances in which looking (29) is a source of pleasure, just as, in the reverse formation, there is pleasure in being looked at...[Freud] associated scopophilia with taking other people as objects, (30) them to a controlling and curious gaze... The camera satisfies a primordial wish (31) pleasurable looking, but it also goes further: developing scopophilia (32) its narcissistic aspect. (source: excerpt from "Visual Pleasure and Narrative Cinema" by Luara Mulvey)

29. A. itself            B. at it                  C. forward to        D. after
30. A. is subjecting    B. subjecting            C. subjects            D. subjected
31. A. in                B. at                      C. to                    D. for
32. A. in                B. at                      C. to                    D. for

**V. Reading Comprehension: Choose the best answers to the following questions (36%)**

In a recent experiment, scientists asked a group of prescreened people to look at a set of gray patterns and try to visualize color. Eleven members of the group had been identified as highly susceptible to hypnosis while seven of the subjects were not susceptible. Hypnosis is a trance-like state characterized by heightened focus, concentration, and inner absorption, according to the Mayo Clinic. About 10 percent of people worldwide are highly susceptible to hypnosis while 10 percent are not influenced at all. The remaining 80 percent—the majority of the population—are moderately susceptible, said study co-author William McGeown, a neuroscientist at the U.K.'s Hull University. The new study found that all the subjects who were easily hypnotized reported seeing a range of colors even while not under hypnosis, McGeown said. The scientists didn't just take their word for it—MRI scans showed that the parts of the subjects' brains linked to color perception lit up when they saw the imaginary hues. "We can see changes in these color-sensitive regions of their brains, which they have no way of faking," said McGeown, who published the study with colleagues in the December issue of the journal *Consciousness and Cognition*.

The new study also found that being under hypnosis enhanced color hallucination in susceptible subjects. But those who were not susceptible to hypnosis could not hallucinate color with or without hypnosis. Stephen Kosslyn, a psychologist at Stanford

University, said the results reinforce his team's earlier research. In 2000, Kosslyn and colleagues published one of the first studies on hallucinating color. Their experiment asked highly susceptible people under hypnosis to imagine gray squares as being in color. That study, which used PET scans of the subjects' brains, also found that the subjects activated parts of their brains associated with color perception. The new study confirms a similar finding with MRI scans, which are more often favored in today's experiments because they provide better spatial resolution, co-author McGeown said.

Ultimately, the hallucination research may help medical professionals who use hypnosis to treat a range of conditions, from phobias to pain, McGeown noted. That's because, despite its medical use, many people are fearful of the procedure. The new research shows that suggestion can be almost as powerful a tool, which means there may be a less intimidating alternative for people fearful of hypnosis, he said. "Psychological therapies which consist of making suggestions to a patient—even in the absence of hypnosis—may help with their problem substantially."

(Source: "People Can Hallucinate Color at Will" by Christine Dell'Amore in *National Geographic News*, published December 7, 2011)

33. The word "susceptible" in this passage is closest in meaning to
- A. unresistant
  - B. invulnerable
  - C. unexposed
  - D. doubtful
34. Which of the following is NOT one of the characteristics of hypnosis?
- A. The subject is put into a sleeplike state
  - B. Hypnosis is a state of mental concentration
  - C. A hypnotized mind is judging and critiquing.
  - D. None of the above
35. Which of the following statements is NOT true?
- A. Subjects who are susceptible to hypnosis can hallucinate color.
  - B. Subjects who are unsusceptible to hypnosis can visualize color when being under hypnosis.
  - C. Only MRI scans were used in the experiment conducted by William McGeown and his partner.
  - D. The parts of the brain that respond to color perception are activated when the subjects are hallucinating color.
36. According to McGeown, the findings of hallucination research may be of help to people with
- A. irrational fear of a specific object or activity
  - B. migraine
  - C. fever
  - D. A and B only
37. Which of the following statements best summarizes the central idea of this article?
- A. Hypnosis can help people with their problems.
  - B. Some people are fearful of hypnosis
  - C. Only a portion of people are susceptible to hypnosis.
  - D. People can hallucinate color just with the power of suggestion.

"Green" has become a popular English phrase. It means that something is good for the environment. Customers are looking for products that are "natural," "pure," and "made from recycled materials." They feel good about helping the Earth and about buying food and cosmetics that are healthier for their bodies. Anita Roddick sensed this when she founded The Body Shop in 1976. She advertised cosmetics that were "100 percent pure" and boasted that The Body Shop's products were not tested on animals. Also, she said The Body Shop did not take unfair advantage of the workers in poor countries.

For some people, this sounded too good to be true. In 1994, reporter Jon Entine wrote a famous magazine article disputing Roddick's claims. He said that The Body Shop cosmetics were actually only one percent pure. Entine also pointed out that most of the ingredients in The Body Shop's product were, indeed, tested on animals. This prompted Roddick to change the phrase on her cosmetics labels. Instead of "not tested on animals," it became "against animal testing." Later, other critics joined in. The London chapter of Greenpeace accused The Body Shop of exploiting poor workers.

Today many other "green" companies face similar criticism. Are products marketed as "green" really good for environment, or

do producers simply claim that they are so they can make more money? It's a tough question. Thanks to writers such as Entine, however, one thing is certain: They are less likely to trust the manufacturer's word.

(Source: "The Green Myth" in *Reading for the Real World*, Campus Publishing, 2009)

38. According to the passage, the word "green" has become associated with products
- A. that are not greasy and look fresh
  - B. that are friendly to the environment
  - C. that can be easily absorbed by the body
  - D. All of the above
39. Which of the following claims of The Body Shop was NOT disputed by Jon Entine?
- A. The Body Shop cosmetics did not exploit workers in poor countries.
  - B. The Body Shop cosmetics were not tested on animals.
  - C. The Body Shop cosmetics were 100% pure.
  - D. None of the above
40. Which of the following statements best summarizes the main idea of the article?
- A. Customers should never trust the manufacturers because they are dishonest.
  - B. Green advertising claims could be misleading.
  - C. "Green" is a good marketing strategy to sell products.
  - D. False advertising should be punished.
41. Which of the following statement would the writer of this passage probably agree with?
- A. We should stop buying "green" products because none of them is really "green."
  - B. Anita Roddick has abused the trust of her customers.
  - C. Writers such as Jon Entine work to ruin manufactures' reputation.
  - D. All products are bad for environment.

About a year ago I was diagnosed with cancer. I had a scan at 7:30 in the morning, and it clearly showed a tumor on my pancreas. I didn't even know what a pancreas was. The doctors told me this was almost certainly a type of cancer that is incurable, and that I should expect to live no longer than three to six months. My doctor advised me to go home and get my affairs in order, which is doctor's code for prepare to die. It means to try to tell your kids everything you thought you'd have the next 10 years to tell them in just a few months. It means to make sure everything is buttoned up so that it will be as easy as possible for your family. It means to say your goodbyes. I lived with that diagnosis all day. Later that evening I had a biopsy, where they stuck an endoscope down my throat, through my stomach and into my intestines, put a needle into my pancreas and got a few cells from the tumor. I was sedated, but my wife, who was there, told me that when they viewed the cells under a microscope the doctors started crying because it turned out to be a very rare form of pancreatic cancer that is curable with surgery. I had the surgery and I'm fine now.

This was the closest I've been to facing death, and I hope it's the closest I get for a few more decades. Having lived through it, I can now say this to you with a bit more certainty than when death was a useful but purely intellectual concept:

Your time is limited, so don't waste it living someone else's life. Don't be trapped by dogma — which is living with the results of other people's thinking. Don't let the noise of others' opinions drown out your own inner voice. And most important, have the courage to follow your heart and intuition. They somehow already know what you truly want to become. Everything else is secondary.

When I was young, there was an amazing publication called *The Whole Earth Catalog*, which was one of the bibles of my generation. It was created by a fellow named Stewart Brand not far from here in Menlo Park, and he brought it to life with his poetic touch. This was in the late 1960's, before personal computers and desktop publishing, so it was all made with typewriters, scissors, and polaroid cameras. It was sort of like Google in paperback form, 35 years before Google came along: it was idealistic, and overflowing with neat tools and great notions.

Stewart and his team put out several issues of *The Whole Earth Catalog*, and then when it had run its course, they put out a final issue. It was the mid-1970s, and I was your age. On the back cover of their final issue was a photograph of an early morning country road, the kind you might find yourself hitchhiking on if you were so adventurous. Beneath it were the words:

"Stay Hungry. Stay Foolish." It was their farewell message as they signed off. Stay Hungry. Stay Foolish. And I have always wished that for myself. And now, as you graduate to begin anew, I wish that for you.

Stay Hungry. Stay Foolish.

(Source: Stanford commencement address delivered by **Steve Jobs** on June 12, 2005)

42. Which of the following statements is/are true about Steve Jobs?
- A. He did not seem to be familiar with some body organs before his illness.
  - B. He was told that he would be dead in less than a year.
  - C. The tumor he got could be removed with surgery
  - D. All of the above
43. The phrase "buttoned up" is closest in meaning to
- A. kept silence
  - B. finished
  - C. loosened up
  - D. tied down
44. Why did Steve Jobs' doctors react so strongly to the fact that Jobs' cancer was actually curable?
- A. They were upset over the misdiagnosis they had made.
  - B. They were worried that Job would sue them for medical malpractice.
  - C. They were surprised that they could keep their patient alive.
  - D. None of the above
45. In his speech, what advice did Jobs give to Stanford students?
- A. Do not try to live up to others' expectation
  - B. Do not let other people speak louder than you do
  - C. Always put yourself in others' shoes
  - D. It is a waste of time to live with others
46. What did Jobs probably mean by "Stay Hungry. Stay Foolish"?
- A. He meant that it is good to eat less and study less.
  - B. He meant that it is important to always have the curiosity for knowledge.
  - C. He meant that without enough food one can never be smart.
  - D. He meant that it is foolish to stay hungry.

Tonight is a particular honor for me because, let's face it, my presence on this stage is pretty unlikely.

My father was a foreign student, born and raised in a small village in Kenya. He grew up herding goats, went to school in a tin-roof shack. His father, my grandfather, was a cook, a domestic servant to the British. But my grandfather had larger dreams for his son. Through hard work and perseverance my father got a scholarship to study in a magical place, America, that's shown as a beacon of freedom and opportunity to so many who had come before him. While studying here my father met my mother. She was born in a town on the other side of the world, in Kansas.

My parents shared not only an improbable love; they shared an abiding faith in the possibilities of this nation. They would give me an African name, Barack, or "blessed," believing that in a tolerant America, your name is no barrier to success. They imagined me going to the best schools in the land, even though they weren't rich, because in a generous America you don't have to be rich to achieve your potential.

They're both passed away now. And yet I know that, on this night, they look down on me with great pride. And I stand here today grateful for the diversity of my heritage, aware that my parents' dreams live on in my two precious daughters. I stand here knowing that my story is part of the larger American story, that I owe a debt to all of those who came before me, and that in no other country on Earth is my story even possible.

Tonight, we gather to affirm the greatness of our nation not because of the height of our skyscrapers, or the power of our military, or the size of our economy; our pride is based on a very simple premise, summed up in a declaration made over two hundred years ago: "We hold these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain inalienable rights, that among these are life, liberty and the pursuit of happiness."

That is the true genius of America, a faith in simple dreams, an insistence on small miracles; that we can tuck in our children at night and know that they are fed and clothed and safe from harm; that we can say what we think, write what we think, without hearing a sudden knock on the door; that we can have an idea and start our own business without paying a bribe; that we can participate in the political process without fear of retribution; and that our votes will be counted -- or at least, most of the time.

And fellow Americans, Democrats, Republicans, independents, I say to you, tonight, we have more work to do..... more work to do, for the workers I met in Galesburg, Illinois, who are losing their union jobs at the Maytag plant that's moving to Mexico, and now they're having to compete with their own children for jobs that pay 7 bucks an hour; more to do for the father I met who was losing his job and choking back the tears wondering how he would pay \$4,500 a month for the drugs his son needs without the health benefits that he counted on; more to do for the young woman in East St. Louis, and thousands more like her who have the grades, have the drive, have the will, but don't have the money to go to college.

People don't expect -- people don't expect government to solve all their problems. But they sense, deep in their bones, that with just a slight change in priorities, we can make sure that every child in America has a decent shot at life and that the doors of opportunity remain open to all.

(Source: Excerpt from **Barack Obama's** Democratic Convention Speech delivered on July 27, 2004)

47. Which of the following is/are mentioned in Obama's speech?

- A. Interracial heritage
- B. Education
- C. Opportunity
- D. All of the above

48. Obama's parents thought their son's African name would not hinder his success because

- A. they believed he could go to the best school.
- B. America is a racially tolerant country
- C. Obama is blessed by his name
- D. one of his parents was born in America

49. Which of the following statements would Obama probably have faith in?

- A. All men are created equal
- B. One does not have to be rich to achieve one's dream in America
- C. There is no poverty in America
- D. A and B only
- E. B and C only

50. What are some of the social causes that Obama would most probably support according to the passage?

- A. Encouraging interracial marriage
- B. Offering financial aids to low income students
- C. Lowering the unemployment rate
- D. A and B only
- E. B and C only

每題兩分

- ( ) 1 下列關於ezetimibe的敘述，何者正確？  
(a)屬於膽固醇吸收抑制劑，抑制 intestinal lumen 之 Niemann-Pick C1 Like 1 (NPC1L1) transporter (b)與 statin 併用時增加肝毒性之危險 (c)常與 niacin 併用時增加降血脂之功能 (d)能改善增加病人之 HDL
- ( ) 2 下列有關 Rheumatoid arthritis (RA) 敘述何者正確？1. 盛行率男多於女，且好發於年輕族群 2. 臨床症狀常見:stiffness、swelling、pain、nodules 等 3. 好發於踝或指關節處 (a) 1+2 (b) 2+3 (c) 1+3 (d) 1+2+3
- ( ) 3 具活化 peroxisome proliferator-activated receptors alpha (PPAR $\alpha$ )能力，增加 LDL receptor 合成之藥物為  
(a) Ezetimibe (b) atorvastatin (c) niacin (d) fenofibrate
- ( ) 4 下列有關 statin 之敘述何者為誤？(a) 可抑制 lipoprotein lipase 活性而降低 cholesterol 之合成(b) 降低 cholesterol 之效果以 Rosuvastatin 最好(c) Rosuvastatin 半衰期長可一天一次 (d) 需監測 CPK 與肝功能
- ( ) 5 依據美國高血脂症治療準則，對於合併有冠狀動脈心臟病或糖尿病之高血脂症(hyperlipidemia)患者，其理想治療目標為何？(a) LDL < 100 mg/dL (b) LDL < 130 mg/dL (c) LDL < 160 mg/dL (d)LDL 值未被採用為治療指標
- ( ) 6 B.C., 56-year-old 男性, 發生過 unstable angina 並做心導管, 體重 220 lb, 6 feet 高, 腰 42 inches; 他以 simvastatin 40 mg QHS, ezetimibe 10 mg QD, ASA 325 mg QD, propranolol 40 mg BID, 及 enalapril 10 mg QD 治療, 治療後 total cholesterol, 143 mg/dL; TG, 210 mg/dL; HDL-C, 33 mg/dL; and LDL-C, 68 mg/dL, fasting glucose value 110 to 126 mg/dL, 下列之敘述何者為誤？(a)具 impaired 禁食血糖(b)具 Metabolic Syndrome 之 Dyslipidemia (c) Niacin + statin 為適當給藥之藥物 (d) TG levels 高表示血液中 VLDL & LDL particles 低
- ( ) 7 李小姐水瀉腹痛，stool 有血，lab data : hematocrit (Hct), 32%; hemoglobin (Hgb), 8.5 g/dL; white blood cell (WBC) count, 15,000/mm<sup>3</sup>; ESR, 70 mm/hour, 下列之敘述，何者為誤？(a) 由症狀初步診斷應為 Ulcerative Colitis (b) Hct , Hgb 太低與 bleeding 有關 (c)可用 hydrocortisone enemas 局部給與 (d)緊急嚴重惡化時禁止投予 Corticosteroids
- ( ) 8 下列有關高血壓的敘述，何者正確？(a) 依據 JNC7，糖尿病患者之血壓控制目標為 135/90 mmHg 以下 (l 孕婦高血壓的首選治療藥物為 ACE inhibitors (c) 血壓自 115/75 mmHg 起，每上升 20/10 mmHg，罹患心血管疾病的風險加倍 (d) isolated systolic hypertension 好發於 50 歲以下
- ( ) 9 下列藥物的藥理機轉敘述，何者錯誤？  
(a) Enalapril - Angiotensin converting enzyme(ACE)抑制劑 (b) Amlodipine - 鈣離子通道(Calcium channel)阻斷劑  
(c) Sodium nitroprusside - 抑制 soluble guanylyl cyclase(sGC)活性 (d) Pindolol -  $\beta$ -Adrenoceptor 拮抗劑
- ( ) 10 Tarceva<sup>®</sup> (Erlotinib) 是屬於下列哪一藥理分類？(a) Alkylating agents (b) Antimetabolites (c) Alkaloids (d) Target Therapy (e) Antitumor Antibiotics
- ( ) 11 下列有關 propranolol 藥理作用的敘述，何者錯誤？  
(a) 阻斷  $\beta$ 1-adrenergic receptor，使腎臟 renin 釋放減少 (b) 阻斷  $\beta$ 1 及  $\beta$ 2 adrenergic receptor，使心臟收縮力減少(c) 高血壓患者會增加交感神經興奮性，而使血壓升高 (d) 阻斷  $\beta$ 2-adrenergic receptor，使氣管收縮
- ( ) 12 下列何者是患有心絞痛及高血壓的老年病人之最適宜降血壓藥？  
(a) hydrochlorothiazide (b) propranolol (c) enalapril (d) verapamil
- ( ) 13 Lisinopril 與 spironolactone 並用時應特別注意  
(a) 病人應使用代鹽 (b) 監測病人是否有低血鈉 (c) 避免再開立 sucralfate 給病人 (d) 監測病人之血鉀
- ( ) 14 血栓的特性下列何者錯誤？  
(a) 靜脈血栓的組成為纖維蛋白和紅血球 (b) 抗凝血劑可以用來治療和預防靜脈血栓  
(c) 動脈粥樣硬化斑塊的剝離是形成靜脈血栓的主因 (d) 抗血小板藥物可以用來預防動脈血栓

- ( ) 15 Gemzar® (Gemcitabine)是屬於下列哪一藥理分類? (a) Alkylating agents (b) Antimetabolites (c) Alkaloids (d) Target Therapy (e) Antitumor Antibiotics
- ( ) 16 下列敘述何者錯誤?  
(a) Unfractionated heparin (UFH)使用前需要得知病人的 platelet count、hematocrit 以及 aPTT 值 (b) 使用 UFH 時，建議 aPTT 的比值為 2.5 to 3.5 (c) 要換轉至口服抗凝血劑時，UFH 需要與 Warfarin 併用至少 5 天，以達到預期的 INR 值 (d) UFH 的解毒劑為 protamine sulfate
- ( ) 17 Warfarin 的敘述何者錯誤?  
(a)孕婦可以安全使用 (b) Warfarin 過量的病人，不建議以 IM 或 SC 方式施打 Vitamin K (c)對於大部分的病人，INR 的目標值為 2-3 (d) Warfarin 需要連續投與 5-7 天才能達到穩定的抗凝血作用
- ( ) 18 下列哪一個不是 TCA 類常見的副作用? (a) weight gain (b) drowsiness (c) orthostatic hypotension (d) GI distress
- ( ) 19 急性心肌梗塞病患使用 ACE inhibitor，下列那一個狀況不適合使用?  
(a)心電圖 ST 段在二個或以上的前壁導程上升 (b) 因收縮性幫浦功能不良引起之心臟衰竭徵候 (c)左心室噴出率(ejection fraction) 小於 40% (d) 兩側腎動脈狹窄
- ( ) 20 下列有關異位性皮膚炎之敘述，何者為誤 (a)為 IgE-mediated hypersensitivity (b)兒童患病率在為 5%至 10% (c) 嬰幼兒的異位性皮膚炎症狀往往發生在頭皮，面部和彎曲表面(flexural areas) (d)皮膚會有 Pruritus 與乾燥現象 (e) face, neck 部有細小泡疹(vesicular eruptions)時需給口服抗生素
- ( ) 21 AML 和 ALL 的化學治療中，常見治療的相關毒性及併發症，下列何者為 ALL 常見的併發症?  
(a) tumor lysis syndrome (b) infectious and bleeding (c) nausea 與 vomiting (d) alopecia
- ( ) 22 57 歲男性，主訴胸痛和頭暈，血壓 118/64 mmHg，呼吸 24，EKG 顯示 torsades de pointes 下列何項治療應避免?(a) magnesium sulfate (b) isoproterenol (c) procainamide (d) 電擊
- ( ) 23 不明原因寬的 QRS 心搏過速的第一線用藥是? (a) lidocaine 1-1.5 mg/kg (b) adenosine 6mg (c) verapamil 2.5-5.0 mg (d) amiodarone 150mg IV infusion 10 min
- ( ) 24 張先生上消化道出血，接納胃鏡作進一步評估及治療。胃鏡發現胃竇部潰瘍出血有 2 處 (0.2 和 0.4 厘米)。胃竇活檢報告為幽門螺旋桿菌陰性，最適合治療方式為下列何者(a)開始以靜脈輸注 pantoprazole 3 天，然後轉至口服 pantoprazole 40 mg BID (b)以靜脈輸注 pantoprazole 7 天至確定無出血即可 (c)以靜脈輸注任何一種 H<sub>2</sub> blocker 3 天，然後轉至口服 H<sub>2</sub> blocker (d)口服 H<sub>2</sub> blocker 即可
- ( ) 25 下列哪一種肝硬化(cirrhosis)的發生率最高? (a)酒精造成之肝硬化 (b)膽汁性肝硬化 (c)肝細胞壞死 (d) 代謝性肝硬化
- ( ) 26 腎功能不好的病人服用下列哪一藥品會加強肝臟傷害(a) Azathioprine (b) Acetaminophen (c) Tetracycline (d) Methotrexate
- ( ) 27 病人的檢查值如下 serum creatinine (SrCr) 1.4 mg/dL, total bilirubin 18.8 mg/dL, INR 1.1,請問此 End-Stage Liver Disease 病人 score=? (a)18 (b)20 (c)22 (d)24
- ( ) 28 spironolactone 常用於治療腹水(ascites)的病人，在投予 spironolactone 後多久才會產生作用(a)1 hr (b) 6 hr (c) 24 hr (d) 3 days
- ( ) 29 能抑制 hydrogen-potassium adenosine triphosphatase (H<sup>+</sup>/K<sup>+</sup>-ATPase) 之藥物為 (a) famotidine (b) sucralfate (c) lansoprazole (d) Misoprostol
- ( ) 30 腹水的患者在投予 spironolactone 後，檢查尿液發現 Na/K=0.8，則需如何處置最正確 (a)增加 spironolactone 劑量 (b)降低 spironolactone 劑量 (c)不須調整 spironolactone 劑量 (d) 改換其他利尿劑
- ( ) 31 下列有關消化道疾病與藥物治療之敘述，何者為誤? (a) NOD2 gene 與 Inflammatory bowel disease 有關 (b) ulcerative colitis, 會有 diarrhea 與 bleeding.現象 (c) Crohn's disease 最常出現在直腸與結腸末端 (d)嚴重 Crohn's disease 最常用全身性給予 Corticosteroids 治療
- ( ) 32 糖尿病病人血液出現酮酸血症，黏膜乾，Hct 49%此時應(a)給 insulin 與 fluid (b)補充 glucose (c)補充 fluid (d)給 tolazamide

- ( ) 33 下列何種情況最適用 Cyclosporine (a) Crohn's disease 維持療法 (b) ulcerative colitis 維持療法 (c) Crohn's disease 緩解期療法 (d) 使用 Corticosteroids 後再發之 Crohn's disease
- ( ) 34 糖尿病人高血壓藥物之首選藥為 (a) enalapril (b) propranolol (c) verapamil (d) nifedipine (e) lasix
- ( ) 35 臨床檢查之數據如下,下列何種情形可能為 euthyroidism: (a) TT4↑, RT3U↓, TSH normal (b) TT4 與 TT3 normal, FT4I, TSH ↓ (c) TT4↑, TT3↓, TSH↑ (d) TT4↑, TT3↓, TSH↓
- ( ) 36 下列敘述何者為誤 (a) myxedema coma 最常出現於 hyperthyroidism (b) myxedema coma 應給 l-thyroxine (c) thyroid storm 一般須用 propranolol、propylthiouracil 治療 (d) thyroid storm 一般須加入 iodide 治療 (e) 以上皆是
- ( ) 37 下列治療 Acne(痤瘡)藥物何者非局部給予 (a) tretinoin (Retin-A®), (b) adapalene (c) tazarotene (d) isotretinoin
- ( ) 38 醫師欲使用 acyclovir 來治療 65 歲,身高 155 公分,體重 48 公斤之女性患者,她的血中 creatinine 值為 4 mg/dL, ALT、AST 分別為 10 與 15 U/L,請問下列敘述何者最恰當? (a) 病人肝功能不好 (b) acyclovir 需依病人肝功能調整劑量 (c) 病人腎功能正常 (d) acyclovir 需依病人腎功能調整劑量
- ( ) 39 張先生上消化道出血,接納胃鏡作進一步評估及治療。胃鏡發現胃竇部潰瘍出血有 2 處 (0.2 和 0.4 厘米)。胃竇活檢報告為幽門螺旋桿菌陰性,最適合治療方式為下列何者 (a) 開始以靜脈輸注 pantoprazole 3 天,然後轉至口服 pantoprazole 40 mg BID (b) 以靜脈輸注 pantoprazole 7 天至確定無出血即可 (c) 以靜脈輸注任何一種 H<sub>2</sub> blocker 3 天,然後轉至口服 H<sub>2</sub> blocker (d) 口服 H<sub>2</sub> blocker 即可
- ( ) 40 細菌引起嚴重急性中耳炎 (severe acute otitis media, BT > 39 °C) 之藥物首選為何? (a) 高劑量 Amoxicillin (b) Cefdinir (c) Azithromycin (d) Amoxicillin-clavulanate
- ( ) 41 下列抗黴菌藥物何者是藉由抑制黴菌細胞壁之 β-(1,3)-glucan 合成來達到治療效果? (a) Micafungin (b) Amphotericin B (c) Fluconazole (d) Terbinafine
- ( ) 42 下列藥物中,何者可抗黴菌,且可用於治療免疫功能不全患者食道念珠球菌感染? (a) Fluconazole (b) Meropenem (c) Ciprofloxacin (d) Gentamicin
- ( ) 43 所謂"Low-dose"之口服避孕藥(OCs)主要機轉為何? (a) 抑制受精卵著床 (b) 加速黃體的崩解 (c) 抑制精子活動 (d) 抑制排卵
- ( ) 44 下列做為性交後避孕使用之製劑(Morning-after pill),何者為最適當之選擇? (a) High-dose Estrogen (b) Mifepristone (c) Depo-Porvera (d) Misoprostol
- ( ) 45 某名 28 歲婦女使用口服避孕藥(OC)已二年多,約六週前由於 E. coli 感染引起尿道炎,接受 Ampicillin 500mg qid 給予七天之治療,正巧與該婦女使用 OC cycle 的最初七天同時併用,試問可能產生何種影響? (a) 降低抗生素之抗菌活性 (b) 易產生 Hypermenorrhea (c) 產生高血壓及偏頭痛的機會增加 (d) 降低避孕效果
- ( ) 46 有關抑鈣素(Calcitonin)之敘述,下列何項錯誤? (a) 由腎上腺分泌 (b) 其作用為抑制破骨細胞 (osteoclast) 活性 (c) 男性與女性均可使用 (d) 可防止骨溶蝕作用(resorption)
- ( ) 47 下列有關上消化道之敘述,何者為誤? (a) chief cells 分泌 pepsinogen (b) gastric acid 由 antrum 之 parietal cells 分泌 (c) G 細胞分泌黏液 (d) 攝取的食物會導致胃擴張,這將觸發釋放乙醯膽鹼(Ach),也刺激胃竇部 G 細胞內產生胃泌素
- ( ) 48 負責胃酸和內在因素(維生素 B<sub>12</sub> 的吸收需要)的分泌為 (a) chief cells (b) parietal cells (c) G 細胞 (d) antrum
- ( ) 49 下列有關 Antacids 藥物治療之敘述,何者為誤? (a) Antacids 制酸劑可能會干擾很多口服藥物之吸收,降低很多藥物生物可用率 (b) MgO 有緩瀉作用一般不可用於腎功能不佳者 (c) MgO 常與 Al(OH)<sub>3</sub> 合併使用 (d) 對 enteric-coated 劑型之吸收影響不大
- ( ) 50 下列有關上消化道藥物治療之敘述,何者為誤? (a) ketoconazole 與 H<sub>2</sub> blocker 併用可能導致抗真菌藥治療失敗 (b) urea breath test 用於檢查 GERD (c) 根除幽門螺旋桿菌 (*H. pylori*) 的三合一療法中無法以 PPI + clarithromycin + amoxicillin 來治療時的第二線藥為 PPI + Clarithromycin + Metronidazole (d) 根除幽門螺旋桿菌 (*H. pylori*) 的三合一療法中加入 *Lactobacillus* 可增加根除率