

# آزمون کارشناسی ارشد وزارت بهداشت سال ۱۳۹۸

فایل سوالات

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**Part One: Vocabulary QUESTIONS**

**Directions:** Complete the following sentences by choosing the best answer.

**1. When the balance of the immune system is ..... the system may become our enemy rather than our friend.**

- a) integrated                      b) reinforced                      c) maintained                      d) disturbed

**2. One reason of difficulty in breathing is the ..... Of airways which hinders the smooth flow of oxygen.**

- a) constriction                      b) dilatation                      c) expansion                      d) inspection

**3. To relieve the pain, the doctor prescribed some drugs to ..... The tension in the patient's shoulder muscles.**

- a) retain                      b) resume                      c) release                      d) restore

**4. The assessment of pain ..... a consideration of the physical and psychological aspects of the individual.**

- a) involves                      b) dissolves                      c) evolves                      d) revolves

**5. Hospitals and health systems are nowadays under constant pressure to reduce costs while also improving quality and ..... A qualified workforce.**

- a) containing                      b) maintaining                      c) remaining                      d) restraining

**6. A breathing-related sleep disorder is a disorder that ..... Sleep due to irregular breathing patterns.**

- a) elevates                      b) induces                      c) disrupts                      d) determines

**7. Physical activities are strongly recommended for their ..... effects on our health.**

- a) suspicious                      b) desirable                      c) disastrous                      d) bizarre

**8. Aspirin taken in high doses for long time can stomach ..... and bleeding.**

- a) stamina                      b) repair                      c) safely                      d) ulcer

**9. Pneumonia symptoms become ..... when there is a high concentration of pollutants in the air.**

- a) contaminated                      b) constricted                      c) exacerbated                      d) devastated

**10. Despite his ..... efforts made during a year, he could not find a job.**

- a) intense                      b) deficient                      c) scarce                      d) sluggish

**11. He suffered a serious injury that .....him to give up work.**

- a) disappointed                      b) disintegrated                      c) obscured                      d) obliged

**12. The dust in the air in this part of the country certainly ..... a threat to the resident's health and life.**

- a) enacts                      b) ceases                      c) poses                      d) harvests

**13. When a contaminated needle ..... A client's skin, germs might enter the body.**

- a) immunize                      b) disinfects                      c) defends                      d) pierces

14. Sterile supplies have labels that indicate the date when sterilization period .....

- a) subsides                      b) reduces                      c) expires                      d) emerges

15. The nurse inserted a needle in the patient's ..... Leg to examine the extent of paralysis.

- a) numb                      b) calm                      c) sound                      d) robust

16. Due to the poor medical services of this hospital, the physician advised the patient's parents to ..... him to a different hospital.

- a) allocate                      b) confer                      c) dedicate                      d) transfer

17. Learning a foreign language is a major ..... for students in the medical fields with shortage of time to practice.

- a) comfort                      b) merit                      c) concern                      d) suspect

18. Medical students should sufficiently develop their knowledge and skills to ..... the time and money they spend to get their degree.

- a) justify                      b) refuse                      c) confuse                      d) jeopardize

19. Because of some chemical and physical factors, most drugs are not ..... equally in all parts of the body.

- a) dispatched                      b) distributed                      c) discarded                      d) disoriented

20. By the emergence of personal computer, typewriters became.....

- a) abundant                      b) absolute                      c) abused                      d) obsolete

### Part two: Reading Comprehension

**Directions:** Read the following passages carefully. Each passage is followed by some questions. Complete the questions with the most suitable words or phrases (a, b, c or d).

Base your answers on the information given in the passage only.

#### Passage 1

Patients usually report stress management strategies along three lines, First, they may identify behavioral approaches, ranging from fleeing the situation (for example, a crowded shopping mall) to problem solving (for example, "I wait for an elevator that is not full".) Second, they may use a variety of cognitive approaches. A patient frightened do flying may tell himself or say out loud, "This plane has been flying safely for years. My mother flies out to see me twice a year. This year I can make it once to see her." Another may try strategies that help him "not think about it." On an airplane, this may involve watching the movie. Third, patients may use physiological approaches. Patients afraid of driving downtown may practice muscle relaxation or breathing exercises as they begin driving. More often than not, patients combine some of these strategies to be more effective.

21. Stress management strategies in this text ..... Adopted by patients.

- a) seem to be the most common methods  
b) seem to be the least applicable approaches  
c) are formally-instructed mechanisms  
d) are considered to be the only approaches

22. Behaviors like avoiding the stressful situation or finding a way to deal with it successfully are ..... In stress management strategies.

- a) the writer's favorite method  
b) the writer's lest advisable methods  
c) the methods belonging to different lines  
d) various forms of the same line

**23. A patient's positive view about the safety of a flight could .....** .

- a) guarantee the safe landing of the plane
- b) help the pilot have more confidence
- c) help the patient overcome his worries
- d) enhance the quality of the given flight

**24. According to the passage, behavioral approaches ..... Cognitive ones.**

- a) could be used to substitute
- b) are the initial manifestations of
- c) are more practical and manageable than
- d) deal with activities different from

**25. The underlined "this" (line 6) refers to .....** .

- a) the mother's safe flight
- b) the safe flight of the plane
- c) avoiding thinking about the flight's dangers
- d) starting watching the movie and having fun

**Passage 2**

Women had always served in secondary roles as nurses and doctors. The professionalization of medicine forced them increasingly to the sidelines. However, the breakthrough to the knowledge of advanced practice was initiated by Florence Nightingale in England. She resolved to provide more advanced training. Her solution involved the support of upper class women, and they proved eager to serve. But today the new profession appears highly attractive to women of all backgrounds, and her model was widely accepted in most other countries.

The same trend was observed with women wishing to become doctors before the 1970s. Elizabeth Blackwell (1821-1910) pioneered ad the first female doctor in the United States. While Blackwell viewed medicine as a means for social and moral reform, her student Mary Putnam Jacobi (1842-1906) focused on curing disease. At a deeper level of disagreement, Blackwell felt that women would succeed in medicine because of their humane female values, but Jacobi believed that women should participate as the equals of men in all medical specialties using identical methods, values and insights. Despite these movements, women were still paid less as doctors and nurses. For example, although the majority of medical doctors were women in the Soviet Union, they were paid even less than most male factory workers.

**26. Florence Nightingale was the first person to ..... In nursing education.**

- a) receive advanced and professional training
- b) provide women with more advanced training
- c) force women increasingly to the sidelines
- d) avoid supporting the upper class women

**27. According to the passage. Elizabeth Blackwell disagreed with Mary Putnam Jacobi on ..... doctors.**

- a) how women could succeed as
- b) the use of identical methods by
- c) how women resisted becoming
- d) the waged paid to female

**28. The passage provides us with a ..... view of attracting women to nursing and medical professions.**

- a) prospective
- b) historical
- c) pessimistic
- d) humane

**29. The passage mainly discusses how ..... nursing and medical professions.**

- a) female pioneers reformed the role of women in
- b) employers welcome the roles of women in
- c) women were paid in the past in
- d) women are currently admitted to

30. The writer has mentioned "the Soviet Union" in the passage to indicate ..... of female doctors.

- a) breakthrough in the employment                      b) discrimination in the payment  
c) successful participation                                      d) professional behavior

**Passage 3**

The excess storage of fat is surpassingly difficult to define and to measure accurately. In practice, an experienced eye is a good judge of the presence of obesity especially in the unclothed patient. To measure it, one requires data on weight and height. Life insurance companies have published tables showing the desired or ideal weights of men and women of different heights, that is the weights associated with the best life expectancy. A person with a body weight of 10 percent greater than this ideal is said to have a relative weight of 110 percent, some say 120 percent. Various obesity indices have been invented, the best being  $W/H^2$ , where W is the weight in kg and H is the height in meters.

31. The numbers mentioned in the text are intended to define..... .

- a) body weight    b) excess weight  
c) a relative weight    d) weight definition

32. The tables published by life insurance companies are intended to show the..... .

- a) desired life expectancy in men and women  
b) differences between the obese and slim people  
c) fat storage in men and women of different heights  
d) relation between weight and the best life expectancy

33. The underlined pronoun "it" in line 3 refers to .....

- a) data    b) obesity    c) weight    d) the patient

34. "W/H<sup>2</sup>" is an index for .....

- a) estimating life expectancy                                      b) dividing height by weight  
c) measuring obesity    d) challenging obesity

35. The underlined word "eye" (in line 2) implies a(n)..... .

- a) person    b) measure    c) study    d) index

**Passage 4**

Even in healthy persons, reaching an advanced age is associated with reduced strength, power, and speed of muscle contraction. Although these changes can be subtle, they can be marked in very old age and they are measurable. Because of the relative rapid loss in the speed of muscle contraction, aged persons typically show greater loss in power than in peak force alone.

Although changes are highly variable, in general, healthy aged persons experience an approximate 10% per decade decline in peak strength after 60 years of age, with a more rapid decline after 75 years of age.

Loss in strength is generally more pronounced in the muscles of the lower limbs, such as the quadriceps, as compared with the upper limbs. If marked lower weakness can interfere with functions required for independent living such as safely walking, or rising from a chair. Such age-related decrements in muscle strength are often accelerated in sedentary older adults or those with underlying pathology.

36. The passage is mainly about aging and..... .

- a) speed of muscle contraction                                      b) strength of body limbs  
c) muscle weakness    d) sedentary lifestyle

37. According to the passage, a loss of about 10%, every ten years, happens in .....



**of the body between the age 60-75.7.**

- a) general mobility  
 b) maximum power  
 c) general health  
 d) the upper limbs

**38. Muscle loss when reaching an advanced age is .....**

- a) typically measurable in upper limbs  
 b) noticeable in the feet, thighs and hips  
 c) associated with subtle muscle contractions  
 d) accelerated in peak speed and force

**39. According to the text, muscle weakness speeds up in .....**

- a) inactive people  
 b) rising position  
 c) major functional limbs  
 d) rapid muscle contraction

**40. Elderly people need to be aided in daily living because they have a .....**

- a) prominent underlying disease  
 b) significant weakness in lower limbs  
 c) relatively independent sedentary living  
 d) subtle decrement in peak muscle strength

1	d	11	d	21	a	31	b,c
2	a	12	c	22	d	32	d
3	c	13	d	23	c	33	b
4	a	14	c	24	d	34	c
5	b	15	a	25	c	35	a
6	c	16	d	26	b	36	c
7	b	17	c	27	a	37	b
8	d	18	a	28	b	38	b
9	c	19	b	29	a	39	a
10	a	20	d	30	b	40	b

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english for medical students

**Part One: Vocabulary**

**Directions: Complete the following sentences by choosing the best answer.**

**1. Most of the developments in medical fields started with the ..... Of the digital systems.**

- a) intent                      b) advent                      c) resumption                      d) termination

**2. Before using a device or taking a drug, reading the ..... carefully is necessary.**

- a) provisions                      b) supplements                      c) intentions                      d) instructions

**3. It is essential to find a well-suited organ for transplantation as the body has a predisposed ..... to reject mismatched organs.**

- a) tendency                      b) impotence                      c) intimacy                      d) tolerance

**4. The patient received a tetanus vaccine to prevent muscle spasm soon after he ..... his knee in a soccer game.**

- a) sustained                      b) strengthened                      c) sprained                      d) stabilized

**5. The patient had to undergo open heart surgery to remove the blood clot having ..... his coronary artery.**

- a) suspected                      b) inspected                      c) contested                      d) obstructed

**6. Clinical ..... Are usually sufficient for physicians to diagnose the patient's problem.**

- a) manifestations                      b) outbreaks                      c) tendencies                      d) remedies

**7. The scientist gave an influential lecture about cancer and was able to ..... Powerful emotions from her audience.**

- a) evolve                      b) resolve                      c) evoke                      d) revolve

**8. The psychologists prescribed a medicine to rapidly ..... his distress and anxiety.**

- a) appreciate                      b) achieve                      c) amplify                      d) alleviate

**9. If your emotions ..... Your wisdom, you cannot judge reasonably and may decide incorrectly.**

- a) outnumber                      b) outweigh                      c) enhance                      d) elaborate

**10. In specific climates, the floods ..... almost as quickly as they arise; they rapidly go back to the normal state.**

- a) subside                      b) commence                      c) survive                      d) emerge

**11. Undoubtedly, without the ..... supple of fresh and oxygenated blood, the human brain will not function properly.**

- a) steady                      b) scarce                      c) scantily                      d) queer

**12. During the operation, the heart must get ..... to allow the surgeon to fix the defects.**

- a) hesitant                      b) motionless                      c) restless                      d) vibrant

**13. As flies feed....., they create a sense of non-cleanliness.**

- a) feasibly                      b) filthily                      c) fatally                      d) frankly

**14. Students in medical fields are expected to be ..... Participants in the process of learning.**

- a) diligent                      b) monotonous                      c) miserable                      d) fragile

**15. Dressing materials ..... drainage but will not adhere to the wound when removed.**

- a) saturate                      b) contain                      c) discharge                      d) absorb

**16. My friend has had backache for a long time; the doctor prescribed ..... Exercise for his weak back.**

- a) degenerating    b) remedial                      c) disappointing                      d) malformed

**17. A famous football player was trying to raise money for flood victims and asked his teammates to ..... Too.**

- a) retain                      b) correlate                      c) contribute                      d) resolve

**18. Plastic materials ..... dangerous chemicals and produce poisons when they burn.**

- a) evade                      b) eliminate                      c) consume                      d) release

**19. People who are proved to be ..... unhealthy, when committing a crime. May not be considered criminally responsible.**

- a) mentally                      b) intentionally                      c) cautiously                      d) individually

**20. As the fever ..... for two weeks, the patient was hospitalized.**

- a) insisted                      b) consisted                      c) persisted                      d) assisted

## Part two: Reading Comprehension

**Directions:** Read the following passages carefully. Each passage is followed by some questions.

Complete the questions with the most suitable words or phrases (a, b, c or d). Base your answers on the information given in the passage only.

### Passage 1

Developments in nanotechnology have enormous potentials to revolutionize drug delivery systems. The overall aim is to allow drugs to be delivered to the areas within the body which aim is to allow drugs to be delivered to the areas within the body which they are targeting. The active ingredients of the drugs are placed inside a wrapper that is genetically designed to locate a particular part of the body. The wrapper is attracted to the cell receptors of the relevant area and attaches to it, discharging its active ingredients. Early results are very impressive. Delivering anti-cancer drugs to the brain has been a major problem due to the blood-brain barrier. However, anti-cancer drugs bound to nanomaterials successfully cross the blood-brain barrier and release the drugs at therapeutic in the brain.

**21. In this paragraph, the "drug delivery systems" refers to .....**

- a) distributing the required drugs among the sick appropriately  
b) providing the diseased part of the body with drugs  
c) the best ways for the patients to obtain and take drugs  
d) the new technologies of manufacturing and distributing drugs

**22. In the technology described, the ..... Made so that it/they can detect the target part.**

- a) wrapper is                      b) ingredients are  
c) cell receptors are                      d) body is

**23. What does the underlined "they" (line 2) refer to?**

- a) delivery system  
b) body areas  
c) developments  
d) drugs



**24. In this text, delivering anti-cancer drugs to the brain is an example of .....** .

- a) the problem that blood-brain creates
- b) a common therapeutic method to combat brain cancer
- c) successful use of nanotechnology
- d) a common problem of brain cancer patients

**25. The author's attitude toward the future of drug delivery system is .....** .

- a) adverse
- b) unsupportive
- c) optimistic
- d) critical

**Passage 2**

Since World War I, it has been recognized that some patients with non-thoracic injuries, sepsis, and the like conditions develop respiratory distress, diffuse lung infiltrates, and respiratory failure, sometimes after a delay of hours to days. Ashbaugh described such patients in 1967, using the term "adult respiratory distress syndrome". Later on, the term "acute respiratory distress syndrome" (ARDS) was used instead of "adult respiratory distress syndrome" because the syndrome occurs in both adults and children.

ARDS is serious, sometimes life-threatening, and get worse quickly. But it's generally treatable and most people can recover from it. Fast diagnosis and treatment are important.

In this disease, fluid leaks from small blood vessels and accumulates in the tiny air sacs in your lungs. You lungs are then unable to fill up with enough air. Because of this, the blood traveling to your lungs can't pick up the amount of oxygen it needs to carry to the rest of your body. That can lead to organs such as your kidneys or brain not working as they should or shutting down. Doctors are still trying to learn more about this condition and why it happens. It's not always clear what triggers a case.

**26. Those who develop respiratory related conditions such as distress have .....** .

- a) been recognized to suffer from sepsis for some time
- b) been suffering from thoracic injuries for a couple of days
- c) taken part in World War I
- d) already diffused lung infiltrates

**27. The term "adult respiratory distress syndrome" was introduced.....** .

- a) to include everybody having the syndrome
- b) around the mid 20th century
- c) long after that of ARDS
- d) to substitute acute respiratory distress syndrome

**28. Although ARDS is a serious condition, it.....** .

- a) is life-threatening
- b) may not aggravate over time
- c) is likely to be cured
- d) is not a diagnosable disease

**29. Those suffering from ARDS may be inflicted with renal failure because .....** .

- a) the brain may malfunction
- b) the lungs absorb all the air
- c) blood vessels carry oxygen to the lungs
- d) kidneys receive insufficient oxygen

**30. The passage concludes that the underlying cause of ARDS is .....** .

- a) still a mystery
- b) a respiratory failure
- c) easily detectable
- d) highly preventable

**Passage 3**

We all know that there are different degrees of intelligence, but it is perhaps less understood that the way we think about intelligence may be influenced by the society we live in, and that even within one society, standards and norms can change over time. For example, since the rise of a scientific culture, the intelligence of the scientists has been greatly valued. Therefore, scientists and theoreticians like Einstein and Hawking have been considered the "most intelligent".

Recent research on intelligence is leading toward its redefinition. Today, it is recognized that people have different kinds of intelligence and that the ability to think scientifically (i.e. the capacity to use logical deduction and factual evidence to solve problems) is just one kind. For example, the ability to create things of beauty such as painting or a musical composition demonstrates artistic intelligence. Political and social leaders have interpersonal intelligence, the talent to understand and manage other people. The ability to organize facts into a clear argument, master languages, and create stories about imaginary people and situations are considered as separate aspects of intelligence. Therefore, the average person has different but "normal" amounts of each type of intelligence, while a genius is a person with an outstanding brilliance in at least one kind of intelligence.

**31. The main idea of this passage is that .....**

- a) scientists are more intelligent than others
- b) all artists are intelligent people
- c) intelligence exists in different forms
- d) geniuses are intelligent in many ways

**32. Based on the recent research on intelligence, the author ..... The idea that scientists are the most intelligent people.**

- a) provides evidence for
- b) partly advocates
- c) confirms
- d) challenges

**33. A person with interpersonal intelligence is competent in .....**

- a) mastering several languages
- b) administrative affairs
- c) organizing facts into arguments
- d) writing imaginary stories

**34. As stated, a genius is someone who .....**

- a) is exceptionally talented in at least one area
- b) studies mathematics and scientific subjects
- c) can paint pictures and compose music
- d) talks brilliantly about many subjects

**35. In case Einstein and Hawking were living today, they would .....**

- a) be considered outstanding in different types of intelligence
- b) redefine the concept of intelligence
- c) be referred to as geniuses in each type of intelligence
- d) be considered a genius in their own field of specialty

**Passage four**

Not too long ago, deadly infections were feared in the Western world. Since that time, many countries have undergone a transformation from disease cesspools to much safer, healthier habitats. Starting in the mid-1800s, there was a steady drop in deaths from all infectious diseases, decreasing to relatively minor levels by the early 1900s. The history of that transformation involves famine, poverty, filth, lost cures, eugenicist doctrine, individual freedoms versus state power, protests and arrests over vaccine refusal, and much more. Today, we are old that medical interventions have increased our lifespan and single-handedly prevented masses of deaths. But is this really true? Dissolving Illusions details facts and figures from long – overlooked medical journals, books, newspapers, and other sources. Using myth-shocking graphs, this book shows that vaccines, antibiotics, and other medical interventions are not responsible for the increase in lifespan and the decline in mortality from infectious diseases. If the medical profession could systematically misinterpret and ignore key historical information, the question must be asked, "What else is ignored and misinterpreted today?" Perhaps the best reason to know our history is so that the worst parts are never repeated.

**36. According to the passage, deadly infections steadily ..... in the past century.**

- a) diminished                      b) elevated                      c) stabilized                      d) fluctuated

**37. The mid-1800s..... the risk posed by infectious diseases.**

- a) shows a sharp rise in                      b) indicates no signs of                      c) puts an end to                      d) marks a decline in

**38. The book "Dissolving Illusions" intends to ..... facts and figures in long-unattended medical sources.**

- a) ignore                      b) bring under attention                      c) devalue                      d) distract us from

**39. The writer indirectly recommends a reasonable review of the past events to**

..... .

- a) prevent future mistakes  
b) write science history  
c) extend historical information  
d) interpret medical profession

**40. The underlined "that" (line 4) refers to transformation from a deadly environment to a(n) ..... .**

- a) rise in illness                      b) filthy habitat                      c) safer setting                      d) absolute poverty

1	b	11	a	21	b	31	c
2	d	12	b	22	a	32	d
3	a	13	b	23	d	33	b
4	c	14	a	24	c	34	a
5	d	15	d	25	c	35	d
6	a	16	b	26	a	36	a
7	c	17	c	27	b	37	d
8	d	18	d	28	c	38	b
9	b	19	a	29	d	39	a
10	a	20	c	30	a	40	c

**Part One: Vocabulary**

**Directions:** Complete the following sentences by choosing the best answer.

**1. the nurse was not eager to ..... The new responsibility because she wanted to spend more time with her children.**

- a) reject                      b) assume                      c) promote                      d) leave

**2. Some students get upset when they feel that they have failed to ..... Their ambitions.**

- a) disregard                      b) dissolve                      c) ignore                      d) fulfill

**3. Because of the negative effects of being overweight, her doctor warned her that losing weight was .....**

- a) hazardous                      b) challenging                      c) critical                      d) bothering

**4. He must have ..... stomach infection by eating in unclean restaurants.**

- a) passed out                      b) taken off                      c) looked after                      d) picked up

**5. This drug helps to ..... the disease symptoms and reduce the risk of reinfection.**

- a) consolidate                      b) alleviate                      c) intimidate                      d) complicate

**6. Due to an unpredictable happening during the surgery, they had to ..... their operation plan.**

- a) utilize                      b) alter                      c) continue                      d) navigate

**7. In recent years, the ..... influence of heavy smoking on the lungs has attracted the attention of physicians and pathologists.**

- a) promoting                      b) tedious                      c) deleterious                      d) complementing

**8. Some chemical drugs have limited use due to their possible ..... effects.**

- a) adverse                      b) beneficial                      c) enhancing                      d) energizing

**9. Everybody should take some preventive ..... to fight fatal diseases such as cancer, AIDS, etc.**

- a) consequences                      b) incidents                      c) measures                      d) drawbacks

**10. The doctor made the patient ..... Different tests so that he can diagnose his disease.**

- a) go through                      b) give up                      c) give off                      d) go over

**11. Genetic engineering can help ..... Or at least alleviate many problems, such as diabetes or other genetic disease.**

- a) reproduce                      b) deteriorate                      c) complicate                      d) eliminate

**12. Because medical specialists tend to work in large cities, patients in rural and remote regions are often medically.....**

- a) assisted                      b) collaborated                      c) underserved                      d) consulted

**13. If you are in partial ....., it may mean you can take a break from treatment as long as the cancer doesn't begin to grow again.**

- a) remission                      b) aggravation                      c) exacerbation                      d) deterioration

**14. Upon the onset of an infection, almost ....., all microorganisms start disseminating into the blood.**

- a) provisionally                      b) impressively                      c) voluntarily                      d) invariably

15. He suddenly ..... And we had to revive him by splashing water on his face.

- a) refined                      b) fainted                      c) faded                      d) declined

16. Some scientists believe that some African monkeys are the original ..... Of HIV, the virus that causes AIDS.

- a) trend                      b) source                      c) enemy                      d) opponent

17. The word "fragile" on the box ..... That it should be handled with care.

- a) comprises                      b) contains                      c) signifies                      d) denies

18. The lecture was so ..... that the medical students failed to understand it.

- a) evident                      b) vague                      c) vacant                      d) fantastic

19. He went abroad to ..... his education in his desired in a prestigious university.

- a) pursue                      b) abandon                      c) probe                      d) postpone

20. People living in this polluted area usually ..... Lung disease due to highly poisonous substances in the air.

- a) cooperate with                      b) get rid of                      c) overcome                      d) contract

## Part Two: Reading comprehension

**Directions:** Read the following passages carefully. Each passage is followed by some questions. Complete the questions with the most suitable words or phrases (a, b, c or d). Base answers on the information given in the passage only.

### Passage 1

Looking across countries, there are great differences in life expectancy. There are also sharp differences in who dies and from what. Deaths among children account for approximately 30 percent of deaths in poor countries but less than 1 percent of deaths in rich countries. Most deaths in rich countries are from cancers and cardiovascular diseases, while most deaths in poor countries are infectious diseases.

Though differences persist, many poor countries have recently experienced large improvements in life expectancy. In India and China, life expectancy has risen by 30 years since 1950s. Even in Africa, life expectancy rose by 13 years from the early 1950s until the late 1980s, when the spread of HIV/AIDS reversed the trend.

What factors explain this outcome? Some of the main factors are changes in income, literacy (especially among women), and the supply of calories. Public health interventions such as immunization campaigns, improvements in water supply and the use of antibiotics have also made a big difference.

21. According to the passage, infectious diseases .....

- a) are the major cause of death among children  
b) kill more people than any other diseases  
c) are the most dangerous enemy of the poor people  
d) compared to cancer are more dangerous

22. The first paragraph mostly discusses .....

- a) types and victims of deadly diseases  
b) life expectancy in poor and rich countries  
c) infectious and non-infectious diseases  
d) effects of infectious diseases in poor countries

23. According to the passage, life expectancy .....

- a) differently improved in India and China                      b) caused great medical development in China  
c) decreased because of heart diseases                      d) improved due to many factors

**24. Improvement of life expectancy in African countries was greatly ..... by AODS.**

- a) strengthened                      b) hindered                      c) intensified                      d) evolved

**25. “This outcome” in paragraph 3, refers to .....**

- a) improvement in people’s life expectancy  
b) decrease of life expectancy in Africa  
c) change in people’s income  
d) spread of AIDS in African countries

**Passage 2**

The term breathing – related sleep disorder refers to spectrum of breathing abnormalities ranging from chronic or habitual snoring to upper airway resistance syndrome (UARS) to frank obstructive sleep apnea (OSA) or, in some cases, obesity hypoventilation syndrome(OHS).

In adults, there is a male preponderance of OSA during middle age. In women, menopause, pregnancy and polycystic ovaries are associated with increased risk. In children, prevalence ranges between 1 and 4% with habitual snoring prevalence at about 7.45%.

Restless sleep at night is the biggest symptom of this sleep disorder. If the symptoms are ignored, there are many serious dangers that may develop because of sleep apnea. Some of these include high blood pressure, stroke, heart failure, irregular heartbeats, heart attacks, depression as well as other problems. This is why treatment for sleep apnea is so important if the symptoms of breathing-related sleep disorder appear.

While there may be some physical aspects of treatment for a breathing-related sleep disorder, the power of psychotherapy should not be forgotten. Treatment can require major changes in lifestyle-Appropriate weight management strategies and compliance with either positive airway support or the use of a dental appliance usually represent a lifetime commitment. For this reason, some patients have explored surgical alternatives.

**26. The disorder discussed here .....**

- a) includes a wide range of breathing problems  
b) usually results from OHS and OSA  
c) may develop into residual hearing anomalies  
d) mainly affects pregnant or menopause women

**27. The word “frank”, in the first paragraph, is closest in meaning to .....**

- a) honest                      b) weary                      c) sincere                      d) obvious

**28. Obstructive sleep apnea is found among .....**

- a) sensible middle-aged men  
b) socially high risk women  
c) males, females and even children  
d) rural groups with different proportions

**29. Some people suffering from breathing – related sleep disorder surgical procedure mainly because .....**

- a) it is believed to be cost effective  
b) psychologically speaking, it is more appealing  
c) using dental or airway appliances are hardly effective  
d) most other treatment alternatives require lifetime commitment

**30. According to the text, for treating breathing-related sleep disorder, one .....**

- a) should merely resort to physical treatments  
b) can also consider psychological approaches  
c) must consult a psychologist first  
d) should ignore alternative lifestyles



**Passage 3**

Fever a common medical sign, forms about 30% of healthcare visits by children and occurs in around 75% of adults who are seriously sick. Fever is defined as having a temperature above the normal range (i.e. between 37.5 and 38. ° C) due to an increase in the body's temperature set point. Such an increase triggers increases muscle contraction and causes a felling of cold, resulting in greater heat production. Body temperature is mainly regulated in the hypothalamus, which functions like a thermostat. When the set point temperature returns to normal, a normal, a person feels hot, becomes flushed, and may begin to sweat.

Fevers do not typically go higher than 41-42 ° C.

Treatment to reduce fever is generally not required not required. However, treating the associated pain and inflammation may help the sufferer rest. Medications like ibuprofen or acetaminophen may lower body temperature. Measured such as putting a cool towel on the forehead and having a slightly warm bath are not useful. Children below three months suffering from fever require medical attention, as might people with serious conditions such as a compromised immune system. While fever is a useful defense mechanism, treating fever does not appear to worsen outcomes. A fever may rarely trigger a febrile seizure, which is more common in young children. However, fever is viewed with greater concern by parents and healthcare professionals than it deserves, a phenomenon known as fever phobia.

**31. According to the text, fever can ..... .**

- a) be overlooked above the normal range
- b) cause a compromised immune system
- c) stimulate a febrile seizure in a person
- d) account for 75% of healthcare services

**32. Fever phobia is mentioned in the passage because ..... .**

- a) it is the source of febrile seizures
- b) fever is often considered to be more serious than it is
- c) health professionals are concerned about its consequences
- d) parents are afraid of home remedies

**33. In the human body, hypothalamus acts as a thermostat and helps the ..... .**

- a) person feel hot and exhausted
- b) sufferer get flushed and contracted
- c) medications increase body temperature
- d) set point temperature return to normal

**34. According to the passage, ..... May be helpful in settling fever**

- a) a cool towel on the forehead
- b) medications such ad ibuprofen
- c) having a slightly warm shower
- d) triggering muscle contraction

**35. According to the text, newborns affected with fever may ..... .**

- a) escape serous outcomes
- b) suffer from fever phobia
- c) need medical care
- d) worsen the treatment

**Passage 4**

Everyone thinks that diabetes is a disease where the patient excretes a lot of sugar, is very thin and is inordinately thirsty. But there are many people who probably have diabetes and won't know they have it until a severe symptom arises. However, there are some minor warning symptoms to look out for. Diabetes tends to be hereditary. If you have a diabetic parent, brother, sister or even aunt, there is an increased risk of the disease. If a woman unexpectedly has one or two failed pregnancies, it will need to be investigated in several ways, but the possibility of her being a diabetic must be reckoned with. Similarly, a mother who produces a really large child, for example over four and a half kilos, needs to consider this possibility. One of the early signs of diabetes is when the patient feels disturbed by boils or skin swellings for no apparent reason.

Another skin condition associated with diabetes is when there is disturbing itching, generally at night, after a visit to the rest room. Lastly, if it turns out that you do have diabetes, don't jump to the conclusion that injections will be essential. It may well be possible to treat you either by diet alone or by insulin taken by mouth. So, if you have any suspicions at all that you may have diabetes, don't be afraid to consult your doctor.

**36. Which of the following is NOT mentioned as a mild symptom of diabetes?**

- a) Excessive sugar excretion      b) several miscarriages  
c) Boils and itching                  d) Delivery of thin babies

**37. Patients are advised to ..... When they are suspicious of having diabetes.**

- a) consult a physician              b) inject insulin  
c) avoid frequent pregnancies    d) ignore family history

**38. It is stated in the passage that many diabetics are unaware of their disease until .....**

- a) they become extremely thirsty      b) their relatives inform them  
c) some serious signs emerge          d) they observe trivial symptoms

**39. Skin problems are considered to be among the warning symptoms of .....**

- a) diabetes      b) failed pregnancy      c) heredity disease      d) itching

**40. The public belief associates diabetes with .....**

- a) sugar accumulation  
b) excessive thirst  
c) obesity problem  
d) apparent itching

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1	b	11	d	21	c	31	-
2	d	12	c	22	b	32	b
3	c	13	a	23	d	33	d
4	d	14	d	24	b	34	b
5	b	15	b	25	a	35	c
6	b	16	b	26	a	36	d
7	c	17	c	27	d	37	a
8	a	18	b	28	c	38	c
9	c	19	a	29	d	39	a
10	a	20	d	30	b	40	b

**Part one: Vocabulary Questions:**

**Directions:** Complete the following sentences by choosing the best answer.

1. When someone ..... Under a stressful, frightening condition, his heart beats more rapidly and his temperature rises.  
a) panics                      b) bites                      c) succeeds                      d) subsides
2. A mental illness is a disease that causes mild to servers ..... In thought and/or behavior.  
a) demands                      b) determinants                      c) disturbances                      d) merits
3. Depending on the kind of infection you have, your doctor may ..... a drug that fig or viruses to help you get better.  
a) prescribe                      b) disseminate                      c) exhibit                      d) preserve
4. Alcohol's slow-down effect on your brain can make you ....., so that you may fall asleep more easily.  
a) dynamic                      b) toxic                      c) drowsy                      d) steady
5. The old man was sent to a nursing home for a period of rehabilitation and ....., after suffering from a stroke.  
a) impairment                      b) convalescence  
c) confinement                      d) prominence
6. The patient's family should not ..... The medical team if the patient's condition is not under control.  
a) precede                      b) distinguish                      c) criticize                      d) manifest
7. Any educational system with ..... fails to succeed; there should be an attempt to remove them.  
a) drawbacks                      b) advantages                      c) facilities                      d) opportunities
8. Although it may seem to be unlikely to completely ..... All diseases on earth, we need to take highly effective measures.  
a) resume                      b) accommodate                      c) eradicate                      d) presume
9. Due to his severe health problems, he was recommended by physicians to ..... smoking.  
a) refrain from                      b) resort to                      c) interfere with                      d) engage in
10. Parkinson's disease may appear as slight ..... just in one leg or in the fingers in one hand in its early stage.  
a) convention                      b) concept                      c) remedy                      d) tremors
11. Health workers recommend ..... the mouth after each meal to remove the small food pieces in it.  
a) rinsing                      b) pinching                      c) twisting                      d) expanding
12. The hospital floors have to be cleansed whenever they get .....  
a) curved                      b) soiled                      c) spoiled                      d) curbed

13. The 20<sup>th</sup> century has witnessed the ..... of evidence-based medicine with great advances in technology.

- a) shortage                      b) adventure                      c) failure                      d) advent

14. His heart does not function .....; he may have a heart attack soon.

- a) spaciouly                      b) scarcely                      c) cautiously                      d) properly

15. Some computer specialists believe that in near future computer technology may ..... some medical procedures.

- a) ruin                      b) soak                      c) replace                      d) damage

16. In China, experts in mental health have asked the government to officially ..... internet addiction as a health disorder.

- a) transfer                      b) recognize                      c) block                      d) stretch

17. Our brain can memorize better when we are interested in the ..... or when we already know a little about it.

- a) component                      b) structure                      c) session                      d) subject

18. The flash flood brought a ..... To the hospital, making the patients leave the hospital immediately.

- a) delusion                      b) disaster                      c) cheerfulness                      d) contraction

19. The members of the committee were ..... about the results of the study and asked for further research.

- a) skeptical                      b) convinced                      c) ensured                      d) casual

20. The aim of the study was to ..... the relationship between social class and learning ability.

- a) exploit                      b) explore                      c) exaggerate                      d) exacerbate

## Part two: Reading Comprehension

**Directions:** Read the following passages carefully. Each passage is followed by some questions. Complete the questions with the most suitable words or phrases (a, b, c, or d). Base your answers on the information given in the passage only.

### Passage 1

Alcohol consumption may be linked to women's risk of infertility, say research findings supported by the National Institute of Child Health. In a study of nearly 6000 women, researchers from the Harvard School of Public Health looked at data from those evaluated at seven infertility clinics. After adjusting for other factors that could affect the results, such as age and cigarette smoking, researchers found a strong association between alcohol (more than the equivalent of seven cans of beer a week) and infertility due to ovulation problems. The inability to conceive was about 30 percent more likely to occur in women who drank moderately and about 60 percent more likely in women who drank heavily.

21. The researcher supported by the National Institute of Child Health .....

- a) were victims of infertility  
b) had spent a lot of money on fertility  
c) stated alcohol might adversely affect women's fertility  
d) took care of women who were suffering from alcohol syndrome

**22. According to the passage, one can assume that women who are infertile .....**

- a) possibly drink more than seven cans of beer a week
- b) smoked a lot of cigarettes when they were very young
- c) have never referred to infertility clinics
- d) drink neither moderately nor heavily

**23. The passage tells us that .....**

- a) smoking fails to be as harmful as alcohol
- b) a lot of research has been done on smoking
- c) we are unaware of the side-effects of infertility
- d) women who drink heavily have the risk of infertility

**24. The researchers working on infertility concluded that there was significant relationship between alcohol consumption and .....**

- a) cigarette smoking
- b) ovulation problems
- c) amount of beer
- d) age factors

**25. The underlined phrase “the inability to conceive” refers to .....**

- a) alcohol consumption
- b) heavy drinking
- c) misconception
- d) infertility

### Passage 2

The environmental movement, or the ecology movement, includes conservation and green politics. It advocates the sustainable management of resources and care of the environment through changes in public policy and individual behavior. Also, it considers human beings as a participant in, rather than the enemy of, ecosystems, and entails the countries to consider at least three types of rights: property rights, citizen's rights, and the nature's rights; but it varies from country to country. For instance, countries in the Middle East and North Africa have different adaptations of this movement.

Countries with high incomes on the Persian Gulf rely heavily on energy resources in the area. Initial level of environmental awareness was the creation of a ministry of the environment. The year of its establishment is indicative of the level of engagement, e.g. Saudi Arabia was the first to establish environmental law in 1992 followed by Egypt in 1994, while Somalia lacks any environmental law. In 2010, the Environmental Performance Index ranked Algeria as the top Arab country at 42 out of 163; Morocco was placed at 52 and Syria at 56. The index also measures their ability to actively protect the environment and their citizens' health. This weighted index is created by giving 50% weight for environmental health and 50% for ecosystem vitality; the scale ranges from 0 to 100. No Arab countries were in the top quartile; seven countries were in the lowest quartile.

**26. The writer fails to include ..... in the environmental movement.**

- a) green politics
- b) economic policy
- c) conservation policy
- d) management of resources

**27. According to the text, the best ranking obtained by and Arab country in the Environmental Performance Index belongs to .....**

- a) Saudi Arabia
- b) Algeria
- c) Morocco
- d) Syria

**28. According to the text, countries may be considered engaged in the environmental protection by having created .....**

- a) the ministry of environment
- b) the index of lowest quartile
- c) the amount of energy resources
- d) their citizens' health status

**29. The underlined "it" in line 3 refers to .....**

- a) sustainable management
- b) environmental movement
- c) individual behavior
- d) public policy

**30. The Environmental Performance Index assigns ..... weights to both ecosystem vitality and environmental health.**

- a) dissimilar
- b) quartile
- c) minimal
- d) equal

### Passage 3

Two different kinds of technology make up most of the telemedicine application in use today. The first is called 'store and forward', and is used for transferring digital images from one location to another when it is necessary. A digital image is taken using a digital camera (stored) and then sent (forwarded) by computer to another location. The image may be transferred within a building, between two buildings in the same city, or from one location to another, anywhere in the world. Teleradiology, the sending of x-rays, CT scans, or MRIs (store-and-forward images) is the most common application of telemedicine in use today. There are hundreds of medical centers, clinics, and individual physicians who use some form of teleradiology. When radiologists install computer technology in their homes, they can have images sent directly to them for diagnosis, and they do not need to make an off-hours trip to a hospital or clinic.

**31. The paragraph following this text will most probably discuss .....**

- a) teleradiography in radiologists' homes
- b) instruction of 'store-and-forward' technique
- c) improvements in image transfer technology
- d) another technology in telemedicine

**32. It is inferred from the above passage that .....**

- a) teleradiology allows the personnel to save time in performing more tasks
- b) all medical centers, clinics and doctors use teleradiology nowadays
- c) 'store and forward' is the most form of radiology all over the world
- d) physicians have been using teleradiology for hundreds of years

**33. In the passage, teleradiology is described as the ..... of telemedicine today.**

- a) most direct diagnosis
- b) computer technology
- c) clinical transformation
- d) most popular use

**34. The expression "off-hours" in the last line is closest in meaning to "hours .....".**

- a) busy with work load



- b) away from work place
- c) on duty
- d) on call

**35. The author's attitude toward telemedicine is .....**

- a) positive
- b) critical
- c) impersonal
- d) unsupportive

**Passage 4**

Self –directed learning (SDL) can be described from three perspectives: (1) a personal attribute, (2) a process, and (3) a design characteristic of the learning environment. First self-directed learners should possess the necessary personal characteristics at a certain level, because the degree to which learners have these SDL characteristics influences the extent of their control over their own learning. Second, SDL pertains to a process in which learners take control over the instructional steps, including planning, implementing, and evaluating learning. Knowles(2006) defines SDL as a process consisting of five steps: (a) diagnosing learning goals; (b) formulating learning goals; (c) identifying human and material resources for learning,; (d) choosing and implementing appropriate learning strategies; and (e) evaluating learning outcomes. Third, SDL is considered as a design characteristic of a learning environment which fosters the control of learners over learning (Loyens et al., 2008). A learning context can be designed to incorporate elements that influence to what extent learners control and direct their own learning process. For example, online learning environments can provide learners with a learning context involving resources, structure, tasks, feedback from instructors, and peer collaboration to facilitate or enhance SDL.

**36. Self –directed learning can be addressed from there viewpoints including .....**

- a) control over teaching
- b) online self –learning
- c) personal traits of individuals
- d) sufficient educational resources

**37. The author's purpose for mentioning “online learning” is explain that it ..... SDL.**

- a) is a required environment for
- b) can alter learners' personal traits in
- c) is a designed environment that can help
- d) can incorporate process and individual traits in

**38. Loyens believes that learning environment should be designed to help learners .....**

- a) manage their own learning process
- b) improve their peers' personal traits
- c) receive feedback from their peers
- d) implement learning strategic plans

**39. Feed back from instructors is given as an example of ..... aspects of SDL.**

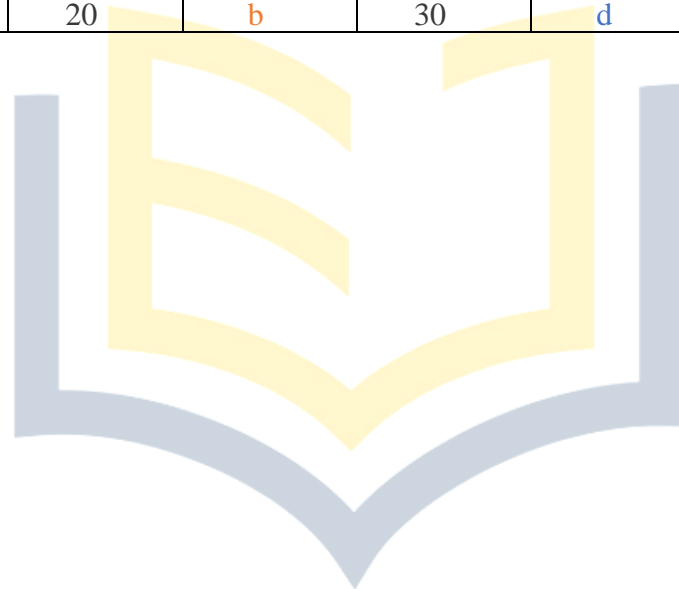
- a) online
- b) personal
- d) structural
- d) environmental

**40. A self –directed learner should have ..... Him to foster his/her learning.**

- a) peers to work with and help

- b) instructors to give feedbacks to
- c) environmental designers to help
- d) proper personal traits to enable

1	a	11	a	21	c	31	d
2	c	12	b	22	a	32	a
3	a	13	d	23	d	33	d
4	c	14	d	24	b	34	b
5	b	15	c	25	d	35	a
6	c	16	b	26	b	36	c
7	a	17	d	27	b	37	c
8	c	18	b	28	a	38	a
9	a	19	a	29	b	39	d
10	d	20	b	30	d	40	d



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