

## سؤالات آزمون صبح جمعه 97 - 98

### ⇒Part one: Reading Comprehension

Read the following passages carefully, and then answer the questions that follow. Base your answers on the information in the passages only.

#### Passage 1

People have long been concerned about the cancer-causing potential of microwaves, which at a distance are harmless, but when close to the head could be more alarming. Numerous animal studies indicate the potential damage to human cells from the sort of radio waves that cell phones or “mobiles” emit. Cancer specialists, however, feel there is no clear scientific evidence to date that cell phones are linked to brain cancer. Meanwhile, if you are uneasy about using your mobile phone, here are some precautions:

- Keep your conversation short, using conventional phones for longer talks
- Choose a cell phone with an antenna directed away from the head
- Try to avoid using cell phones in buildings and cars, since that requires a stronger signal
- And last, try a headset, with the phone strapped to your waist. This keeps the antenna away from your head and your precious brain.

**1- For a long time, a common cause of people's worry has been the**

.....

- a) effects of microwaves on mobile communications
- b) brain cancer caused by using cell phones

- c) studies conducted on cancer-causing phones
- d) abundance of microwaves in residential areas

**2- According to the passage, radio waves emitted by cell phones .....**

- a) are avoidable at close range
- b) are harmless in buildings and cars
- c) may lose their cancer-causing potential if kept at a distance
- d) affect animals more extensively as compared to humans

**3- Studies conducted on animals have .....**

- a) failed to prove that mobile waves cause brain cell damage
- b) advised people against any exposure to microwaves
- c) rejected the previous studies on the effects of microwaves
- d) confirmed the results of earlier researches on the matter

**4- The text recommends that people .....**

- a) use their cell phones only outside the buildings
- b) continue using mobile in a conventional manner
- c) contract the strong signals of their phones
- d) use mobiles cautiously and only when they have to

**5- It is stated that, while driving, the mobile phone should be .....**

- |                            |                               |
|----------------------------|-------------------------------|
| a) connected to an antenna | b) used as little as possible |
| c) strapped to the waist   | d) used with weak signals     |

**⇒ Passage 2**

Pain management, pain medicine, pain control or algiatry is a branch of medicine employing an interdisciplinary approach for easing the suffering and improving the quality of life of those living with chronic pain. The typical pain management team includes medical practitioners, pharmacists, clinical psychologists, physiotherapists, therapists, physician assistants, and nurses.

The team may also include other mental health specialists and massage therapists. Pain sometimes resolves promptly once the underlying trauma or pathology has healed, and is treated by one practitioner, with drugs such as analgesics and massage therapists. Effective management of chronic (long-term) pain, however, frequently requires the coordinated efforts of the management team.

Medicine treats injury and pathology to support and speed healing, and treats distressing symptoms such as pain to relieve suffering during treatment and healing. When a painful injury or pathology is resistant to treatment and persists after the injury or pathology has healed, and when medical science cannot identify the cause of pain, the task of medicine is to relieve suffering. Treatment approaches to chronic pain include pharmacological measures, such as analgesics, antidepressants and anticonvulsants, interventional procedures, physical therapy, physical exercise, application of ice and/or heat, and psychological measures, such as biofeedback and cognitive behavioral therapy.

**6- A suitable title for the passage above could be .....**

- |                             |                            |
|-----------------------------|----------------------------|
| a) pain-killer alternatives | b) chronic pain management |
| c) pain medicine            | d) pain management team    |

**7- The branch of medicine employing the approach to control pain is referred to as .....**

- |              |                   |                  |             |
|--------------|-------------------|------------------|-------------|
| a) analgesia | b) pain etymology | c) pain practice | d) algiatry |
|--------------|-------------------|------------------|-------------|

**8- According to the passage, cognitive behavioral therapy is considered a kind of ..... for controlling pain.**

- |                             |                         |
|-----------------------------|-------------------------|
| a) physical therapy         | b) treatment approach   |
| c) pharmacological measures | d) occupational therapy |

**9- If the cause of pain cannot be identified by medical procedures, .....**

- a) the doctor tries to reduce the patient's suffering or distresses
- b) the patient should be referred to a physiotherapist
- c) the patient should be limited to heat and ice therapy
- d) massage therapists, rather than pharmacologists, are beneficial

**10- According to the passage, chronic long-term pain .....**

- a) needs cooperation of the team members of pain management
- b) resolves immediately after treating the underlying trauma
- c) is an interdisciplinary branch of science
- d) persists after the injury or pathology has healed

⇒ **Passage 3**

Surgical patients are typically advised to get plenty of bed rest following operations for obvious reasons. Resting is usually necessary because many patients find themselves weakened by the surgery and in pain or discomfort.

- Too much physical activity can also mean risk of injury. However, Dr Sharon, a professor at Harvard Medical School, points out that immobility can also be “tremendously hazardous to the health and postoperative recovery of older patients.”

For this reason, “enhanced recovery after surgery” (ERAS) guidelines suggest that post operation patients who are able to be active, do more standing and walking around after surgery as soon as they can. This is particularly helpful for older patients, who can sometimes develop pneumonia after surgery, because standing and walking helps them to use their lungs more. Research has shown that it also helps patients to regain bowel function more quickly and can even reduce the need for pain medication.

**11- The writer uses the terms “regain bowel function more quickly” to indicate the beneficial effects of post operation mobility on .....**

- |                      |                    |
|----------------------|--------------------|
| a) pain medication   | b) use of lungs    |
| b) pneumonia problem | d) feces discharge |

**12- "Resting" in the second sentence seems to be ..... by surgically induced weakness.**

- |             |            |                |              |
|-------------|------------|----------------|--------------|
| a) rejected | b) avoided | c) compromised | d) justified |
|-------------|------------|----------------|--------------|

**13- The ERAS guidelines are expected to ..... a delay in suitable post operation activities.**

- |                   |                  |
|-------------------|------------------|
| a) be in favor of | b) go up against |
| c) underestimate  | d) recommend     |

**14- The underlined "This" refers to .....**

- |                           |                      |
|---------------------------|----------------------|
| a) postoperative recovery | b) enhanced recovery |
| c) standing and walking   | d) immobility        |

**15- The text discusses ..... post-operation bed rest.**

- |                                 |  |
|---------------------------------|--|
| a) two different views on       | b) advantages of immobility for          |
| c) resistance to immobility for | d) shortcomings of Dr. Sharon's views on |

⇒ **Passage 4**

According to a new study, mutations in genes that occur spontaneously may contribute to congenital heart disease in children. These mutations may contribute to about 10 percent of cases of congenital heart disease in children, which is the most common type of birth defect in the United States. About 40.000 babies are born each year with congenital heart disease.

While some chromosomal abnormalities (such as Down syndrome) and infection during pregnancy are known to cause congenital heart disease, the new study shows that spontaneous gene mutations during fetal development affect the development of brain and heart, and may lead to congenital heart disease in children with healthy parents.

In the study, researchers looked at the rate of spontaneous mutations in 362 children with severe congenital heart disease, 264 healthy children and parents of both groups.

Although children in both groups had about the same number of spontaneous mutations, the locations of those mutations were markedly different in the two groups. "The mutations in patients with congenital heart disease were found much more frequently in genes that are highly expressed in the developing heart," said study researcher Christine Seidman, a Howard

Hughes Medical Institute investigator. This finding provides insights for future research, and may someday lead to better treatment options, the researchers said.

**16- The commonest inborn condition in American children is .....**

- |                  |                            |
|------------------|----------------------------|
| a) birth defect  | b) heart disease           |
| c) gene mutation | d) chromosomal abnormality |

**17- Spontaneous Gene mutations in children with severe congenital heart disease and in the healthy ones were found to be .....**

- |                      |                               |
|----------------------|-------------------------------|
| a) almost the same   | b) of different rates         |
| c) similar in number | d) depending on their parents |

**18- According to the passage, every year spontaneous gene mutations in fetuses result in roughly ..... cases of congenital heart disease.**

- |         |        |        |          |
|---------|--------|--------|----------|
| a) 4000 | b) 362 | c) 264 | d) 40000 |
|---------|--------|--------|----------|

**19- The investigators hope their research contribute to ..... in future.**

- a) congenital heart disease
- b) the rate of spontaneous mutations
- c) more effective management of heart disease
- d) genes highly expressed in the developing heart

**20- A good title for the passage is .....**

- a) American babies suffering from heart disease
- b) spontaneous gene mutations linked to children's heart defects
- c) congenital heart disease among American babies
- d) pregnancy chromosomal abnormalities and heart defects

## ⇒ Part two: Vocabulary

Complete the following sentences, choosing the most appropriate option (a, b, c, or d).

- 21- When a person ..... a foreign language, she learns it well and communicates easily.  
a) conveys      b) ignores      c) masters      d) certifies
- 22- Last week, the patient felt better, but yesterday her condition ..... ; she is in a critical state.  
a) deteriorated      b) remitted      c) aggregated      d) recovered
- 23- Recent studies have suggested that ovarian cancer patients could ..... from immunotherapy.  
a) generate      b) derive      c) procure      d) benefit
- 24- Vaccines work by making the body produce antibodies to fight a disease without actually ..... us with the disease.  
a) proposing      b) offering      c) infecting      d) fortifying
- 25- Treatment might be ineffective without ..... the source of a disease.  
a) recognizing      b) complying with      c) conforming with      d) concealing
- 26- The survivors of the accident were asked questions to see if they were able to ..... certain events which happened in the past.  
a) anticipate      b) estimate      c) recall      d) release
- 27- Many medical lecturers are used to preparing before their classes; they never lecture .....  
a) spontaneously      b) convincingly      c) appropriately      d) abundantly
- 28- The ultimate aim of healthcare system must be complete ..... of social injustice in medical care.  
a) promotion      b) enhancement      c) distribution      d) eradication

**29- Around three quarters of women in early pregnancy experience ..... which is a feeling of sickness in the stomach.**

- a) anxiety      b) fatigue      c) nausea      d) stroke

**30- Individuals are encouraged to ..... their lifestyle and adopt healthier behaviors.**

- a) defend      b) modify      c) compromise      d) intimidate

**31- The Flu virus is so ..... that many people infected with it have to be hospitalized.**

- a) virulent      b) subjective      c) credible      d) objective

**32- People should not rely on such traditional practices since they are not only unacceptable but also .....**

- a) substantial      b) advantageous      c) promising      d) deleterious

**33- In reporting the scientific results, researchers should be ..... and do not involve their personal views.**

- a) biased      b) inattentive      c) skeptical      d) impartial

**34- In a two-hour surgery, the surgeon was eventually able to ..... tumor cells connected to the bones.**

- a) dislodge      b) infest      c) ingest      d) congest

**35- Simple vitamin D deficiency rickets, results from insufficient intake of vitamin D and inadequate ..... to sunlight.**

- a) presentation      b) exposure      c) manifestation      d) disclosure

**36- There are some home remedies which are preferred by people as they are better at ..... some types of pain.**

- a) contributing to      b) speeding up      c) alleviating      d) boosting

**37- Some diseases are very difficult to ..... in the early stages since no signs or symptoms develop.**

- a) abandon      b) diagnose      c) promote      d) collapse

