

Part One: Vocabulary

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

121. The majority of the individuals with lung cancer encounter following the initial treatment, as the illness frequently becomes resistant to the treatment.

- a) relapse
- b) remission
- c) elapse
- d) emission

122. Although radiation and chemotherapy can eliminate most cancer cells, certain cells may be more resilient or requiring more specific treatment methods.

- a) benign
- b) aggressive
- c) tranquil
- d) suppressive

123. The clinic adopted procedures to infecting materials, reducing the risk of cross-contamination.

- a) replicate
- b) perforate
- c) neutralize
- d) generalize

124. The advanced imaging system was developed to various cardiac abnormalities.

- a) disturb

- b) discern
- c) distribute
- d) dispense

125. The initiative was designed to better hygiene practices in operating rooms.

- a) frustrate
- b) promote
- c) inhibit
- d) demolish

126. The experts agreed on the topic details and finally reached a that personalized medicine improves treatment efficacy.

- a) conflict
- b) hostility
- c) consensus
- d) controversy

127. The surgery was because the equipment shut down unexpectedly.

- a) halted
- b) urged
- c) resumed
- d) fulfilled

128. When the antibodies produced by the immune system are unable to the invading pathogen, the disease is more likely to develop.

- a) synthesize
- b) neutralize

c) proliferate

d) contract

129. Telehealth advancements are meant to access to healthcare in rural areas.

a) constrain

b) enhance

c) inhibit

d) obstruct

130. People with infectious diseases often their disease because they are afraid of negative social reactions.

a) conceal

b) disclose

c) converge

d) divulge

131. The warning signs of the disease are so that they are often missed or ignored.

a) subtle

b) huge

c) immense

d) enormous

132. Mental health disorders the majority of years people live with the disability worldwide, requiring immediate medical attention to the diseases.

a) get across

b) look up

c) give up

d) account for

133. The teacher emphasized the importance of some AI empowered technologies, useful tools such as Grammarly and Write, which are used for improving writing skills.

- a) negating
- b) encompassing
- c) declining
- d) disrupting

134. They finished the project which was as a great success by the research committee offering them a grant for the next study.

- a) dismissed
- b) exploited
- c) suspended
- d) acknowledged

135. An executive team was assigned to develop a plan the future strategies of the university president.

- a) undermining
- b) realizing
- c) diverting
- d) interrupting

136. The patient was referred to the emergency department because another person's foot his face and was bleeding.

- a) merged into
- b) integrated in
- c) disturbed with
- d) collided with

137. The health authorities have warned the mass media to criticizing the government health policies.

- a) refrain from
- b) invest on
- c) insist on
- d) stem from

138. The suggestion is that inherited genes may an individual to certain diseases which necessitate critical clinical care.

- a) fortify
- b) recruit
- c) mandate
- d) predispose

139. After a few hours, the fever began to much to the relief of the parents.

- a) escalate
- b) subside
- c) deteriorate
- d) magnify

140. In clinical studies, researchers must ensure that they do not data to achieve desired outcomes, as this would undermine the integrity of the study.

- a) manipulate
- b) aggregate
- c) disclose
- d) breach

Part Two: Reading Comprehension

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

Passage 1

The control of the deadly diseases of childhood is the greatest medical achievement in this century. Because of vaccines and antibiotics, many more children survive childhood than in the past. Because of better nutrition, today's children grow centimeters taller and kilos heavier than their parents. But for all that modern medicine has done to protect and nourish the child's body, very little has been done to assure him of an equally healthy mind.

The number of emotionally disturbed and mentally ill children in the world is very high and growing larger all the time. Most children who are emotionally disturbed are autistic or schizophrenic. They are helplessly withdrawn from reality and exist in an inner world that is seldom penetrated by outsiders. They may sit alone for hours or even days, completely still and silent, seemingly unaware of the world around them.

Many can neither feed nor dress themselves and withdraw from or react violently to any person's attempts to help them. Many are put in institutions once their families feel that there is nothing more they can do for them. There, they may stay for years or even, in some cases, for the rest of their lives.

Although the specific causes of childhood mental disorders are not certain, psychiatrists feel that the disturbances arise as a result of three influences: physical and hereditary factors, forces within early family life, and stress brought about by modern life.

141. It is inferred from the passage that modern medicine has

- a) increased the number of diseases affecting children
- b) significantly contributed to childhood mortality rates
- c) improved physical health more than mental health
- d) had no effect on childhood mortality rates

142. As to the relationship between physical health and mental health, the author believes that

- a) less attention has been paid to children's mental health support
- b) physical health improvements have led to better mental health

- c) modern medicine has adequately addressed both physical and mental health
- d) mental health is more important than physical health for children

143. As to the current state of mental health support for children, the author is

- a) optimistic and satisfied with the progress made
- b) supportive of existing mental health programs
- c) indifferent and uninterested in mental and physical health
- d) concerned and critical of the lack of attention to mental health

144. The passage implies that childhood mental disorders

- a) can be managed by environmental factors definitely
- b) are controlled through a combination of factors
- c) can primarily be treated by the family and relatives' support
- d) are a temporary phase that most children will grow out of it

145. All of the following variables are stated to be responsible for mental problems of children except the

- a) education they receive
- b) atmosphere in which they grow up
- c) worries and anxieties they face in life
- d) genetic and bodily factors

Passage 2

The decision to quit smoking initiates a remarkable series of positive physiological changes, many of which begin within minutes. A mere 20 minutes after cessation, heart rate and blood pressure begin to normalize. Within 12 hours, carbon monoxide levels in the bloodstream drop, enhancing the blood's capacity to transport oxygen efficiently.

Over the subsequent weeks, circulatory function improves, and pulmonary capacity increases, making physical activity less taxing. The respiratory system starts to recover as cilia—microscopic structures responsible for clearing mucus and pathogens—regain their function, significantly lowering the risk of infection.

The long-term benefits of quitting are even more profound. After one year, the risk of coronary heart disease is reduced by approximately 50%. By the five-year mark, the likelihood of stroke can equal that of someone who has never smoked. Moreover, the probability of developing cancers of the mouth, throat, bladder, and esophagus continues to decline with each smoke-free year.

A decade post-cessation, the mortality rate from lung cancer drops to roughly half that of a current smoker. After 15 years, cardiovascular risk approaches that of a lifelong non-smoker.

Beyond internal health improvements, smoking cessation enhances one's appearance and sensory experience. Skin often regains its elasticity and tone, teeth may whiten, and the senses of taste and smell typically sharpen within days.

In essence, quitting smoking is not merely a behavioral change—it is a life-saving intervention with immediate and lasting effects on nearly every system of the body.

146. In this passage, the author aims to

- a) highlight the wide-ranging benefits of quitting smoking
- b) warn about the dangers of tobacco addiction for users
- c) compare different methods for quitting smoking
- d) describe how smoking affects physical appearance

147. The author mentions 'cilia' in the passage to

- a) explain why quitting smoking is difficult for some people
- b) describe long-term risks of cancer
- c) compare smokers and non-smokers
- d) show how the lungs clean themselves after quitting

148. Which of the following statements is TRUE about the long-term effects of quitting smoking?

- a) Stroke risk increases 10 years after it happens
- b) The appearance of the skin worsens, causing a lot of suffering
- c) The risk of lung cancer remains the same after five years
- d) Cardiovascular risk is like that of a non-smoker after 15 years

149. According to this passage, smoking cessation

- a) should only be attempted with medical supervision
- b) guarantees full recovery from all smoking-related damage
- c) leads to benefits, not all of which start immediately
- d) is mainly beneficial for younger individuals

150. According to the passage, shortly after smoking cessation

- a) the risk of heart disease disappears immediately
- b) the body begins to recover almost afterward
- c) lung damage is completely reversed
- d) energy levels drop temporarily

Passage 3

The placebo effect refers to an improvement in symptoms as a result of medical treatment with an inactive substance like a sugar pill or even a staged medical procedure such as surgery. In other words, a patient recovers even though there has been no genuine medical intervention.

One of the most dramatic examples of the placebo effect involves a study of patients with acute arthritis knee pain. In an effort to determine which aspects of knee surgery were most effective, Dr. Bruce Moseley conducted a controlled experiment involving three groups.

In the first group, surgery included shaving off thin layers of the damaged cartilage; in the second group, the doctor flushed out the knee joint and disposed of the unhealthy tissue. In the third group, he simulated surgery by anesthetizing the patients and making the necessary incision. However, no actual knee surgery was performed.

In fact, the patients were not informed until a full two years afterwards that their operations were staged. The results were astonishing. While knee pain for all three groups diminished significantly, there was no difference in the level of pain decrease for any one group over another.

Rather, the uniform results seemed to be mediated by the placebo effect or the patient's belief in the benefit of the surgical procedure. As one of the placebo patients, Tim Perez, was later quoted as saying, "In this world anything is possible when you put your mind to it. I know that your mind can work miracles."

Perez, who previously could only get around with the aid of a cane, is now able to shoot baskets with his grandchildren.

151. The results of Dr. Moseley's knee surgery study were considered surprising because

- a) those undergoing simulated surgery and those having real surgical procedures got better alike
- b) all the patients, even those who received real surgery, reported temporary alleviation of pain
- c) the surgery procedures used were outdated and less effective than expected
- d) the patients who knew about the staged surgeries still showed improvement

152. It is clear from the text that is NOT an operation performed by Dr. Bruce Moseley.

- a) making a surgical incision
- b) replacing the knee joint
- c) removing portions of the knee cartilage
- d) using liquid to clear out damaged knee tissue

153. In the third group, patients were not told about the details of their surgical procedure until two years afterwards because the doctor

- a) aimed to blind the patients about the treatment modality
- b) was afraid he might face misconduct accusation
- c) was concerned that they would react in anger
- d) aimed to observe the principles of medical privacy

154. According to the text, it is NOT correct that

- a) all patient groups experienced significant pain reduction
- b) patients were immediately told they might receive placebo surgery
- c) the placebo effect can produce dramatic physical improvements
- d) the effectiveness of knee surgery for arthritis was examined

155. Based on Tim Perez’s experience,

- a) a positive attitude can sometimes create real improvements in physical conditions
- b) placebo treatments can temporarily mask the symptoms without real healing
- c) recovery from surgery depends entirely on external medical interventions
- d) a strong belief in the effectiveness of treatment could prevent all future injuries

Passage 4

Digital tools that collect data and support interventions outside the clinical setting offer meaningful opportunities to identify risks and engage patients. Consumer-facing apps and clinical monitors that actively or passively collect data can also serve as an early warning system for prevention and disease management.

During the COVID-19 pandemic, digital contact tracing apps provided patients with notifications about potential exposure to COVID-19. Beyond COVID-19, some tools generate warnings to individuals or caregivers regarding changes in environmental risks, such as pollen or air pollution alerts, while other platforms generate alerts to patients, families, and providers in the event of disease exacerbation.

Additionally, while not widely acceptable or accessible by all populations, use of remote patient monitoring (RPM) tools increased during the COVID-19 pandemic. RPM enables clinicians to assess symptoms for patients at home with mild cases of COVID-19 and observe non-COVID-19-related health outcomes in the context of daily living for patients with chronic conditions.

Digital tools have also expanded care delivery for providers beyond the hospital or exam room. A 2020 analysis found that virtual urgent care visits could reduce the need for emergency room care by approximately 20%, and 20% of all office care, outpatient, and home health services could be delivered virtually or near-virtually.

Non-acute care visits for many conditions were implemented virtually during the COVID-19 pandemic to reduce risk of exposure for patients and providers. Even with the sharp decline in telehealth in 2021—after the steep rise associated with COVID-19 in 2020—a review by a large payer in 2022 supported the value of virtual care.

156. According to the passage, one major function of consumer-facing apps and clinical monitors is that they.....

- a) are primarily used to prescribe medication without a physician's input
- b) help detect risks and engage patients before health problems arise
- c) are designed mainly to replace in-person surgical procedures
- d) focus on entertainment while patients recover from illnesses

157. During the COVID-19 pandemic, remote patient monitoring (RPM)

- a) expanded in use to monitor both COVID-19 and non-COVID-19 health outcomes
- b) became widely unpopular among clinicians and patients afflicted with COVID-19
- c) was strongly banned for most patients afflicted with chronic conditions
- d) replaced all forms of physical hospital care provided in hospital settings

158. The 2020 analysis concluded that virtual urgent care.....

- a) increased emergency room visits significantly
- b) should only be used for severe medical emergencies
- c) decreased patient satisfaction with healthcare services
- d) could cut the need for emergency room care by about one-fifth

159. What can be inferred about the future role of virtual care based on the review by a large payer in 2022?

- a) Virtual care will be a valuable part of healthcare delivery even after the pandemic
- b) Virtual care will likely be phased out due to lack of effectiveness
- c) All healthcare services will be eventually virtualized entirely
- d) Virtual care will only be used for mental health services moving forward

160. According to the passage, digital tools on healthcare delivery have

- a) increased the reliance on emergency departments
- b) extended healthcare beyond traditional clinical settings

- c) discouraged patients from participating in their own care
- d) slowed down the adoption of new technologies in hospitals

کلید نهایی

سوال	پاسخ	سوال	پاسخ
121	A	141	C
122	B	142	A
123	C	143	D
124	B	144	B
125	B	145	A
126	C	146	A
127	A	147	D
128	B	148	D
129	B	149	C
130	A	150	B
131	A	151	A
132	D	152	B
133	B	153	A
134	D	154	B
135	B	155	A
136	D	156	B
137	A	157	A
138	D	158	D
139	B	159	A
140	A	160	B

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