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2017 TEMMUZ
YÖKDİL
Sağlık - Sosyal - Fen



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**SİSTEM DİL KURSU
ESKİŞEHİR**



YÖKDİL FEN BİLİMLERİ KARMA TEST-1

1. – 6. sorularda, cümleler sırasıyla okunduğunda parçanın anlam bütünlüğünü bozan cümleyi bulunuz.

1. (I) Children's accounts are often vital evidence in cases of abuse. (II) However, even specially trained police interviewers can find it hard to stay neutral when talking to them. (III) This can result in leading questions and bad evidence, because children can be very susceptible to saying what they think someone wants to hear. (IV) Therefore, they should not open up to everyone about the abuse. (V) The police often ask open-ended questions and maintain neutral body language during an interrogation.

A) I B) II C) III D) IV E) V

2. (I) Devices for measuring and displaying time started their life over 5500 years ago in ancient civilizations of Babylon and Egypt. (II) From that point onwards, time started being measured with ever increasing accuracy. (III) This eventually led us to the part of history when mechanical clocks and watches finally entered into our lives. (IV) Every clock needs to run continuously, and so it needs to have a source of power, like a battery. (V) We have been organising time in a much more accurate way than before ever since.

A) I B) II C) III D) IV E) V

3. (I) The Namib Desert is a unique desert that extends to reach along the coastlines of Namibia. (II) It has a unique array of flora and fauna, and, despite its barren landscape, is full of biodiversity and other natural surprises for tourists. (III) It is a coastal desert primarily located in Namibia, Africa, and is one of the largest coastal deserts in the world. (IV) Namibia is rich in natural resources such as uranium, zinc, copper, lead, gold, and silver. (V) Its surface area is 80,900 square kilometres, and it extends inland from the Atlantic Ocean to cover parts of Angola and South Africa as well.

A) I B) II C) III D) IV E) V

4. (I) Even with all the conflicts, science developed rapidly scientific revolution in early modern Europe. (II) Scientists made countless discoveries, which have changed human life dramatically. (III) These discoveries are still in use in our daily lives. (IV) Thus, the scientific revolution ranks as one of the most influential events in human history. (V) To sum up, no one really knows whether religion has anything to do with the scientific revolution.

A) I B) II C) III D) IV E) V

5. (I) Russian nuclear physics goes before the Bolshevik Revolution by more than a decade. (II) Work on radioactive minerals found in central Asia began in 1900 and the St. Petersburg Academy of Sciences began a large-scale investigation in 1909. (III) These developments were also confirmed by McMillan and Abelson in the USA in 1940. (IV) The 1917 Revolution gave a boost to scientific research and over 10 physics institutes were established in major Russian towns in the following years. (V) In the 1920s and early 1930s many prominent Russian physicists worked abroad, encouraged by the new regime initially as the best way to raise the level of expertise quickly.

A) I B) II C) III D) IV E) V

6. (I) The Chicxulub crater is located on the Yucatan Peninsula in Mexico and measures approximately 125 miles wide. (II) The Yucatan Peninsula is rich in Mayan history and ecology, so it is definitely worth exploring. (III) This crater is believed to have been created by a giant, 6 mile wide asteroid that hit our planet and killed the dinosaurs. (IV) However, some scientists believe that the dinosaurs were already facing extinction by the time the asteroid crashed into Earth. (V) Therefore, there is not an agreement among scientists on what might have caused the mass extinction of dinosaurs.

A) I B) II C) III D) IV E) V

7. – 12. sorularda, boş bırakılan yere parçada anlam bütünlüğünü sağlamak için getirilebilecek cümleyi bulunuz.

7. **Mysterious flashes of light that show up on satellite images of Earth's landmasses have puzzled researchers for a couple of years. Now, scientists have finally found the real cause: ice crystals floating high above the planet's surface. ----. And it could also aid scientists looking for Earth-like exoplanets orbiting other stars. In addition, it is hoped that these glinting exoplanets may contain water and be potential Earth twins.**

- A) Space-based instruments have captured such glints before, but never from this distance
 B) These flashes occur when sunlight bounces off a mirror-like surface
 C) These flashes were so bright that they overwhelmed the camera's sensors
 D) Such glints may probably come from larger bodies of water, not from tiny ice crystals
 E) This finding could help refine ideas of how clouds regulate the Earth's temperature

8. In late 2016 IBM and Rice University unveiled the Multi-Purpose Eldercare Robot Assistant (MERA), a modified version of the Pepper robot developed by SoftBank Robotics in Japan. ----. It has already been used as a friendly assistant in Japanese stores and homes. On the other hand, MERA, which has been specifically designed as an at-home companion for the elderly, records and analyses videos of a person's face and calculates vital signs such as heart and breathing rates. Its speech technology allows it to converse with a patient and answer health questions.
- A) It can detect and respond to human emotions via vocal cues and facial expressions
- B) They are designing robots that can scan library shelves using laser mapping
- C) The need for assistive robots arises from a shortage of human companions for the elderly
- D) Robots already perform many traditionally human tasks, from vacuuming to surgery
- E) They are developing robotic helpers that can better read and react to social signals
9. In recent decades, the Internet has become increasingly important to organizations for certain aspects of electronic commerce. Some organizations have set up web pages to capture the attention of potential buyers and to develop new business relationships. ----. While the unit search and communication costs have been lowered dramatically by the Internet, the cost of evaluating potential suppliers is still prohibitively expensive, especially for certain types of products and services.
- A) Others have set up indexing services to provide easy search capabilities to prospective buyers
- B) The Internet, when used in combination with the proposed strategies, results in a lower total expected cost to the consumer
- C) Human beings have become busier and with the race against time, the Internet has become more and more reliable
- D) As the Internet has become increasingly popular, its power as a base for advertising and promotion has exploded
- E) Second, shopping on the Internet has become more popular for young people
10. History shows that many famous inventors have come up with novel ideas while letting their minds wander. ----. There, a college friend, Anthony Szigeti, took him on walks to help him recover. As they were watching the sunset on one of these walks, Tesla suddenly had an insight about rotating magnetic fields, which would in turn lead to the development of modern day's alternating current electrical mechanism.
- A) Similarly, Nikola Tesla, a truly great technological genius, is only now getting some of the recognition he deserved
- B) However, few know that Tesla is responsible for alternating current, florescent lights, radar, remote control and many others
- C) Both Nikola Tesla and Thomas Edison contributed to our world with various inventions
- D) In 1881, for example, famed inventor Nikola Tesla had fallen seriously ill on a trip to Budapest
- E) What's more, Nikola Tesla was able to conceptualize a connected world well before wireless technology was invented
11. ----. Over the past five decades, 39 of the park's glaciers have shrunk dramatically, some by as much as 85 percent. Of the 150 glaciers that existed in the park in the late 19th century, only 26 remain. "This trend is consistent, and there seems no reversal". Daniel Fagre, the U.S. Geological Survey scientist who led the research, said. The loss of glaciers potentially affects not just tourism to the park, but it also has a great impact on local ecosystems that depend on the summer release of glacial meltwater.
- A) Glacier National Park has recently become a tourist destination instead of tribal hunting grounds
- B) The site of the current location of the Glacier National Park was once home to the Native Americans
- C) More than a century after it was established, Glacier National Park is more popular than ever
- D) A possible threat to the wild lands surrounding Glacier National Park is more than just a danger to the environment
- E) Glacier National Park is losing its namesake glaciers and new research shows just how quickly it is doing so

12. The idea of rolling out off-grid solar technology in Africa has clear attractions. But it should be noted that Africa is not the only region trying to use localised solar panels to make up for an inadequate power grid. ----. This has brought greater electricity access to some, but residents of these newly “electrified” villages continue to suffer from a highly unreliable supply. Particularly in the winter, people are plunged into darkness early in the evening as the energy runs out, forcing villagers to turn to highly polluting kerosene lamps.

- A) But in order for African countries to truly develop and industrialise, energy capacity will need to be increased on a huge scale
- B) In India, for example, the “Power For All” campaign has involved installing solar panels in thousands of villages
- C) Such solutions may be able to power remote villages, benefiting several households
- D) The technology as it stands is insufficient to provide the kind of consistent and reliable supply needed
- E) However, even if off-grid solar initiatives could provide a steady source, the potential would still be highly limited

13. – 22. sorularda, verilen cümleyi uygun şekilde tamamlayan ifadeyi bulunuz.

13. ----, especially when its energy source is stored behind dams in large reservoirs.

- A) Hydroelectric power is generally as reliable as thermal power
- B) Hydroelectric power has gained support politically in recent decades
- C) Hydroelectric power used to be the largest producer of energy in the UK
- D) Hydroelectric power has been the most widely used form of alternate energy production
- E) Hydroelectric power was once regarded as a serious threat to environment

14. Understanding how glaciers are changing is important ----.

- A) but the rates of their decline varied from glacier to glacier
- B) that the glaciers there have shrunk dramatically in the last two decades
- C) which are smaller and do not extend as high up as in other areas
- D) because such development will only continue to fuel the warming
- E) since they play a crucial role in local ecosystems water sources

15. Renewable energy sources may be getting cheaper, ----.

- A) which means that their cost has increased in recent years
- B) because renewable energy cannot be regarded economically viable
- C) but they are still economically impractical for many governments
- D) that energy production for domestic use presents a good return on investment
- E) although solar panels do not work at night or in cloudy conditions

16. ---- so that they can expand their horizons.

- A) The Internet has become the medium of communication in different countries
- B) Young people need to obtain knowledge and the latest news from different areas
- C) Today young people cannot even speak their own language properly
- D) The truth is that young people are more impatient than they once were
- E) More and more young people are identifying themselves as humanists and freethinkers

17. Although the idea of quantum computers is good on paper, ----.

- A) its physical realization is a real challenge
- B) the first quantum computers had already been developed
- C) they are exceptionally cheap and not available to everybody
- D) virus programs are claimed to be devised by those who spread the viruses themselves
- E) they are very good at things like matching patterns

18. When Thomas Edison opened the first central power plant in Manhattan, ----.

- A) his inventions have already enabled people to live more comfortably
- B) he permanently pushed back the darkness, creating a new world
- C) it is really hard to come across geniuses with this kind of ambition anymore
- D) it was his mother who had given him a basic science book for his experiments as a child
- E) he is said to have started losing his hearing around puberty

19. ----, its generation and transmission has serious environmental impacts.

- A) When electricity was first introduced into the domestic environment
- B) Because electricity is far more readily available and easily accessible
- C) Hydrogen produced by steam reformation costs more than natural gas
- D) Although electricity is a clean and relatively safe form of energy
- E) Static electricity used to be a real concern for vehicles

20. While some wind turbines can be acceptable at certain locations, ----.

- A) large scale wind turbines are efficient at specific working points
- B) not all wind turbines are as cost-effective as one another
- C) there are clearly locations where they just cannot be situated
- D) people used to derive their energy from far less efficient sources
- E) they have been invented by an exceptionally gifted scientist

21. If you were a single-celled organism and you lived in a nutrient-rich place, ----.

- A) you can absorb nutrients straight from your environment
- B) different systems of the body carry out different functions
- C) all the systems of the body work together to keep an organism running
- D) these different systems are dependent on each other
- E) staying alive would be pretty easy for you

22. Since it was first described more than 40 years ago, ----.

- A) it has become evident that cells can die by various mechanisms
- B) most of the neurons die before they can function in the nervous system
- C) neutrophils are produced continuously in the bone marrow
- D) tremendous progress has been made in our understanding of apoptosis
- E) cell death helps build organs or separate fingers and toes

ANSWER KEY	
1	E
2	D
3	D
4	E
5	C
6	B
7	E
8	A
9	A
10	D
11	E
12	B
13	A
14	E
15	C
16	B
17	A
18	B
19	D
20	C
21	E
22	D

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