

Matching information

Passage 1

Bottom Trawling

A. The ocean environment is being threatened by a destructive commercial activity – bottom trawling. This is one of the most damaging environmental problems that plague the world today. Bottom trawling is an antique practice that started around the fourteenth century. Fishermen used a device called the 'wondyrchoun'. As the name implies, people then believed it to be a wonderful device because it had the capacity of taking almost everything from the bottom of the sea. The practice involved dragging fine mesh nets on the sea floor.

B. Bottom trawling became more widespread when the steam engine was invented during the nineteenth century. Fishermen repeatedly plowed sea beds, believing that this was like cultivating land. They observed that, often, trawlers which followed a leading trawler caught larger amounts of fish. The explanation for this was that the noise and the debris left by the initial trawler attracted other kinds of fishes. Hence, the second trawler harvested more fish. These days, bottom trawlers have the ability to destroy both shallow and deeper parts of the ocean. Satellite images show muddy trails left by trawlers on shallow seas. Tracks in deeper parts of the ocean are not visible. These activities are damaging to ocean floors, but experts cannot properly ascertain the scope of the destruction left by trawlers worldwide.

C. Many nations are still in a dilemma on whether to support people and their livelihood or to protect the environment from unsustainable and harsh methods of fishing. Nevertheless, bottom trawling is a great threat to marine environments, and this should be addressed immediately.

Look at the following events (Questions 1-4) and the list of points in time (A-E) below.

Match each event with its time of occurrence.

NB You may use any letter more than once.

- A. 14th century
- B. mid-18th century
- C. 19th century
- D. the year 2020
- E. present day

1. A fishing method, described as a 'superb contraption', was created.
2. Bottom trawling was thought of as similar to tilling land.
3. Trawler ruined sea beds in greater depths.
4. Experts could not calculate the extent of damage caused by trawlers.

Passage 2

File Sharing

A. Torrent sharing is a method wherein people are able to transfer large numbers of files in a shorter period of time. When using torrents, a complete file is first made available to peers. This is called a seed. When a file has been downloaded, the seeding process will start. Seeding makes the file more available and faster to download. To illustrate, ten people who want to download a file at 10 kB/s will download the file at 1 kB/s each. After everyone finishes downloading the file, the file can then be seeded at a total speed of 110 kB/s. The speed by which a file can be downloaded increases exponentially, depending on whether or not people allow files to finish seeding.

B. Conversely, torrents contain metadata of the file that one wants to download. This is not the file itself. The metadata contains information about the file, including file name, file size and trackers. When using torrents, the file that one needs is not downloaded from a site. The file is instead downloaded from a computer that contains the file. In order to download a '.torrent' file, a person has to download torrent applications, like BitComet.

C. Torrents have undeniably made the downloading of many types of files, like games, videos or movies, very fast and easy. However, this style of file sharing is quite controversial as many torrent users continue to violate intellectual property rights by spreading copyrighted files to peers. This has spurred many organizations to act on the problem.

Look at the following descriptions (Questions 1-4) and the list of terms below.

Match each term with its correct description.

NB You may use any answer choice more than once.

FS	File Sharing
SD	Seed
IN	Internet
SG	Seeding
TO	Torrent
MD	Metadata

1. is a complete copy of a specific torrent that a person wants to download
2. exponentially improves downloading time
3. includes information about the file that a person would like to download
4. is downloaded from other computers and not from a website

Passage 3

Animals and their Venom

A. Some animals seem defenseless in the face of the larger and stronger ones. Yet those not endowed with strength, speed or sharp talons and teeth use other means to defend and protect themselves. For instance, the box jellyfish or sea wasp of the seas of Asia and Australia has venom that causes excruciating pain and, in severe circumstances, even death. Vinegar is the best first aid measure for this animal's stings, although it will not help alleviate the pain.

B. In the rainforests of South and Central America, there is a species of frog that is both remarkable and very deadly. They are called poison dart frogs. The frog's skin contains lethal poison that can kill a large animal or a person when the frog is touched or eaten. Conversely, a very gentle and shy reptile in Australia is tagged as the most poisonous snake on Earth. This is the Inland Taipan. It usually hunts mice and birds, but if disturbed, attacks humans. The amount of venom from a bite of this snake can kill a hundred persons, but it can be neutralized with antivenom. The Inland Taipan is more poisonous than the rattlesnake and cobra.

C. There are thousands of extremely poisonous animals around the world. These creatures can come in vivid colors, like the blue-ringed octopus, or they can blend with their surroundings, like the stonefish. Hence, although some creatures may seem vulnerable or interesting, it is best to always exercise caution when in the wild in order to avoid harm or death.

Look at the following characteristics (Questions 1-4) and the list of animals (A-E) below.

Match each animal with their unique characteristics.

NB You may use any letter more than once.

- A. Inland Taipan
- B. stonefish
- C. sea wasp
- D. blue-ringed octopus
- E. poison dart frog

1. Its poison can be neutralized with vinegar.
2. It is deadly when handled with bare hands.
3. It is venomous reptile indigenous to Australia.
4. It conceals itself very well in its environment.

Passage 4

Wind Power

A. Nations concerned about the growing global warming problem are encouraging people to shift to renewable energy sources. One kind of renewable energy is wind power. Windmills are used to harness the kinetic power of the wind. As the wind blows, the wind's energy is gathered by the windmill's blades or sails. This slows down the wind and triggers the blades to rotate. The rotating blades are connected to a shaft which is linked to a generator that creates electricity. Hence, windmills convert wind energy to another form of energy.

B. There are a number of benefits to using wind energy. First, it is environmentally friendly because it does not cause air or water pollution; thus, it does not add to global warming. Wind energy is also sustainable. Thus, as long as winds continue to blow, wind energy will also be available. Although it may initially be costly to put up a windmill, another major benefit is that once it is built, there will no longer be any monthly electricity fees. In contrast, some detriments of wind technology include the unpredictability of the wind and the variability of its amount and strength. Some also consider wind farms as eyesores, particularly since these are usually built in places that will allow the machines to get the most amount of wind, like hilltops and shorelines.

C. For sure, the world has to go 'green' soon or suffer the many consequences linked to global warming. Therefore, people should be open to renewable forms of energy, such as the use of windmills.

The reading passage mentions a number of cause-and-effect relationships.

Match each cause (1-4) in List A with its effect (A-F) in List B.

List A: Causes	List B: Effects
1. Tapping the power of the wind	A. Environmental pollution is not increased.
2. Having blades or sails	B. No need to pay for construction fees, only monthly fees.
3. Using windmills	C. The natural beauty of an area may be lessened.
4. Putting windmills on windy hilltops and at the seaside	D. Another form of energy is made available with the use of windmills.
	E. A cheaper and less sustainable method is made available to people.
	F. Winds reduce speed and wind energy is collected.

Passage 5

Using Verbal and Non-verbal Cues

A. Most people believe that a big percentage of communication is achieved through the use of words, either by speaking or writing. However, relying solely on written or spoken words will not give a person a complete understanding of what someone is expressing. In speaking, for instance, the listener will not be able to feel the sincerity of a person's utterance without other elements like voice tone and body language.

B. The tone of a person's voice is very helpful in conveying his exact thoughts or feelings. For instance, if someone has written 'I know how you feel', one who understands the language will easily grasp it. However, the term will have varied meanings if uttered in different tones. When this is verbalized in a softer or clearer voice, then it may denote certainty or positivity. When it is declared in a harsh or aggressive tone, it can convey resentment. Thus, when a person is not sure about what another individual has said, he will usually become more attentive to changes in the tone of voice and be able to better comprehend the feeling behind a statement. Another important element is body language or gestures. To illustrate, liars usually avoid eye contact with persons when they are lying. Therefore, subtle movements like twitching and teeth grinding, and more noticeable gestures, like moving away and crossing the arms or legs, are essential elements of the communication process.

C. In communication, spoken words are not enough. By considering other elements, like voice tone and gestures, people can get more clues that will help them to better understand other individuals.

The reading passage mentions a number of cause-and-effect relationships.

Match each cause (1-4) in List A with its effect (A-F) in List B.

List A: Causes	List B: Effects
1. A person totally dependent on words	A. will not be able to meet his accuser's eyes
2. A person speaking in clear tone	B. will express anger or dislike
3. A person unsure of spoken words	C. will be more alert to changes in tone or gesture
4. A person not telling the truth	D. will be more attentive to eye movement
	E. will not be able to comprehend the true meaning of a statement
	F. will usually convey sincerity or assuredness

Passage 6

Fashion and Culture

A. Fashion is, in many respects, responsible for how a person perceives himself and others. Fashion greatly affects the perception of people and what they tend to want in life. To illustrate, the clothing styles of celebrities are commonly imitated by people. This shows that each person's sense of style is largely dependent on factors such as how they want others to see them and how others affect or influence them.

B. Due to advertising and the media, young people, including children, are the most vulnerable to the impacts of fashion. Improper advertising may impel them to wear clothes that are inappropriate for their age or to spend their meager allowance on things that they do not necessarily need. A more serious concern is the fact that many children look up to designers or models that are not actually deserving of such admiration. One example is that a large number of teenagers nowadays have eating disorders in their desire to become as thin as the models they like. There may also be times when children or adolescents might show inappropriate behavior as they imitate their admired fashion icon.

C. All in all, fashion has a great impact on adults and the youth. Therefore, people involved in the fashion industry should have more awareness about how their actions affect the public and the mind-set of the youth. Parents should also properly guide and educate children about fashion in order for young people to gain a better understanding of the industry and their own sense of worth.

The reading passage mentions a number of cause-and-effect relationships.

Match each cause (1-4) in List A with its effect (A-F) in List B.

List A: Causes	List B: Effects
1. Celebrities' fashion style	A. The youth suffer from misdemeanors and lack of personal style.
2. Inappropriate publicity and marketing	B. Many young people experience eating disorders.
3. Overly skin models	C. Individuals see and emulate manners of clothing and accessorizing.
4. Teaching children about fashion	D. The youth will hopefully acquire a healthier perception about fashion.
	E. It creates awareness among fashion industry people about how they affect the youth.
	F. Young people may be prompted to put on unsuitable attire.

Passage 7

Space Exploration

A. Space exploration aims to bring to light many questions about existence and even survival. Firstly, the exploration of outer space might offer an answer to humanity's dated query, 'Are we alone in the universe?' With the immensity of space and man's limited means of exploring it, it is extremely difficult to prove or disprove the existence of alien life. Some established institutions like the Search for Extraterrestrial Intelligence (SETI) aim to discover if there are other forms of life in the cosmos. Carl Sagan, a renowned astronomer, expressed his belief of the possibility that humankind may not be alone in the universe.

B. Secondly, space exploration allows man to discover the infinite possibilities that he can create in outer space. Russia and the US are among the first countries to explore such possibilities in space exploration. Personalities who have played major roles in early space exploration include Konstantin Tsiolkovsky and Wernher von Braun. Tsiolkovsky was a Soviet Russian rocket scientist who deemed that man will ultimately be able to conquer outer space. Von Braun, a German rocket engineer who helped man to reach the moon with the successful launch and return of Apollo 11, believed that man can go wherever he wants to, even outer space.

C. Several nations, science experts and interested individuals know that it is important to gain knowledge about outer space. Institutions such as the National Aeronautics and Space Administration (NASA) are geared towards discovering something in space that may enhance man's knowledge and offer answers to man's questions on whether or not we are alone in the infinite cosmos.

Look at the following list of statements (Questions 1-4) about space exploration.

Match each statement with the correct person or institution (A-E).

- A. Wernher von Braun
- B. Konstantin Tsiolkovsky
- C. Carl Sagan
- D. NASA
- E. SETI

1. It is highly likely that man is not the only intelligent being in the while universe.
2. Man will triumph over the mysteries of the cosmos.
3. If man wants to, man can belong anywhere, including the cosmos.
4. Exploring the cosmos might shed light on man's queries.

Passage 8

Artificial Intelligence

A. Artificial intelligence or AI pertains to robotic intelligence. It is also the branch of computer science that aims to develop free-thinking machines. One of the aims of providing machines with artificial intelligence is to have machines that are able to analyze and do critical tasks, with minimum or even no human supervision. In this way, machines can be sent to do dangerous missions in place of humans.

B. As early as the 1960s, there have already been proponents of artificial intelligence. Herbert Simon, an expert on AI, believed that machines will ultimately be able to do what humans can do. He deduced that knowledge plays a main role in expertise. Simon worked with Allen Newell, a computer science researcher, and they were able to develop a simulation of man's problem-solving behavior. Although many do not think that machines will eventually equal man in intelligence, people like Hans Moravec and Ray Kurzweil believe that the human brain can be replicated. They claim that it is technologically possible to make hardware and software that duplicates the brain. Alan Turing, who is considered as the father of modern computer science, has also speculated that in the near future, machine intelligence can be judged according to how machines will behave.

C. The human brain is truly complex. It is not only about solving problems through learned facts or data. The brain also processes emotional response, critical thinking, common sense, planning and so much more. However, despite hopeful past and current theories, the complexity of the human brain has, until now, proved to be difficult to duplicate through artificial intelligence.

Look at the following list of statements (A-F) about artificial intelligence.

Match each statement with the correct person (Questions 1-4).

1. Herbert Simon
2. Herbert Simon and Allen Newell
3. Hans Moravec and Ray Kurzweil
4. Alan Turing

A. mentioned that robots can solve problems through analysis

B. stated that a machine's intellect may be assessed by observing its behaviors

C. supposed that man's brain can be copied

D. invented hardware and software that duplicated the human brain

E. replicated man's analytical capabilities

F. thought that the time will come when machines will be capable of doing everything that man does

Passage 9

Mental Health

A. The condition of a person's mind closely affects how he perceives and interacts with his surroundings. Mental health is the term used to describe a person's state of emotional and psychological well-being.

B. In the perspective of holism, it is through one's mental condition that a person is able to suitably use his cognitive and emotional abilities, perform in society, and meet the challenges of daily life. During the mid-1800s, it was termed as 'mental hygiene', first coined by William Sweetzer and further defined by Isaac Ray in the latter part of the 19th century. Ray explained that mental hygiene was the art of protecting one's mind from events that may cause mental deterioration. It was Clifford Whittingham Beers, though, who spurred the mental hygiene movement as a result of his confinement in a private institution for people suffering from depression and paranoia. After his hospitalization, he was encouraged to change methods on how the mentally ill were treated. In many ways, Beers greatly reformed how people with mental disorders were to be treated.

C. In order to uplift mental wellness, great importance must be placed on upbringing. Making sure that children have a good moral foundation is vital to how they will interact with people and deal with problems later on. Moreover, religion and spirituality are significant in molding a mentally healthy individual and this is recognized by esteemed institutions and medical professionals. It is, therefore, not enough to keep only the body healthy. Each person has to make sure that his mind is also ready and able to deal with the stresses of daily life.

Look at the following list of statements (Questions 1-4) about some aspects of mental health.

Match each statement with the correct person or entities (A-E).

- A. Clifford Whittingham Beers
- B. William Sweetzer
- C. Sweetzer and Ray
- D. Issac Ray
- E. Institutions and medical professionals

1. created the term 'mental hygiene'
2. stated that 'mental hygiene' was the ability to shield one's mind from mental decline
3. revolutionized methods for treating the mentally ill
4. believe the spirituality and religion are vital to mental development