

1-16: For these questions, choose the best word or expression to fill the space.

1. **Accurate measurements in ---- gained more importance in the 17th century, when scientists became aware that only with reliable measurements could they support their scientific theories.**
A) investigations
B) exhibitions
C) amendments
D) precautions
E) illustrations
2. **Recent studies have shown that chocolate can slow down the signs of skin ageing because cocoa ---- is packed with antioxidants that neutralise free radical damage, which can harm collagen production.**
A) flavour
B) intake
C) extract
D) field
E) husbandry
3. **Dolly, the first mammal cloned from the DNA of an adult animal, was regarded as a ---- scientific breakthrough when her birth was announced in early 1997.**
A) monumental
B) postponed
C) painstaking
D) considerate
E) dampening
4. **When people first used the word meat, they ---- meant food, as opposed to drink, and it was not until the 1300s that it began to refer to animal flesh.**
A) drearily
B) simply
C) stubbornly
D) incidentally
E) tangibly
5. **Consuming too much salt has an equally harmful effect as consuming too little salt since they both ---- cardiovascular disease.**
A) inhibit
B) hasten
C) promote
D) disseminate
E) circulate
6. **If we were to think about every action or ---- every decision, we would be paralysed, so thanks to the human brain which has been endowed with mental shortcuts, life is more manageable.**
A) break into
B) put away
C) make out
D) weigh up
E) bring about
7. **Research over the past 50 years ---- that pigeons ---- identities and emotional expressions on human faces, letters of the alphabet, and even paintings by Monet vs Picasso.**
A) had shown / would distinguish
B) has shown / can distinguish
C) showed / used to distinguish
D) will show / will distinguish
E) is showing / may distinguish
8. **By the age of five, a child's hand-eye coordination ---- quite advanced, although it ---- to be fine-tuned for several more years.**
A) has appeared / may continue
B) was appearing / would continue
C) had appeared / might continue
D) appeared / could continue
E) appears / will continue
9. **Often ---- in story form with the dreamer as participant or observer, dreams usually involve several characters, motion, not ---- sensations of taste, smell, hearing, or pain.**
A) to be occurring / having excepted
B) having occurred / to except
C) occurring / excepting
D) to have occurred / to be excepting
E) occurred / excepted
10. **Assimilation is a voluntary or involuntary process ---- which individuals or groups completely take on the traits of another culture, leaving their original cultural and linguistic identities ----.**
A) to / forward
B) on / aside
C) through / upon
D) by / behind
E) about / against

11. **The corrosion of steel may be caused by prolonged contact ---- food or by removal ---- the protective oxide layer, both of which should be addressed immediately for food safety.**
A) by / about
B) at / through
C) in / from
D) to / for
E) with / of
12. **---- properly used as a food container, stainless steel does not affect the flavour and is corrosion-resistant to food products.**
A) Once
B) If
C) As if
D) If only
E) Even if
13. **---- there are no known side effects associated with recommend dosages of saffron preparations in healthy individuals, people with chronic medical conditions should consult with their healthcare professional before taking the herb.**
A) Although
B) Unless
C) Because
D) In case
E) As long as
14. **Stainless steel surfaces must be cleaned regularly after use with detergent solutions, and should be sanitised before use ---- excessive chlorine contact will be avoided.**
A) just as
B) so that
C) provided that
D) even though
E) so long as
15. **Dreams defy the laws of physics, the principles of logic, and personal morality, and may reflect what we actually experience or feel, ---- our fears, frustrations, ---- personal desires.**
A) neither / nor
B) whether / or
C) not / but
D) either / or
E) so / that
16. **Children at the age of six and older not only shift their gaze more frequently than younger children, but they also have a tendency to follow the progress of an object ---- directly looking at it.**
A) in case of
B) apart from
C) in terms of
D) rather than
E) for the purpose of
17. **---- a few aspects of juvenile animal behaviour give us a preview of adult animal behaviour, others show us which young animals will survive.**
A) While
B) Unless
C) Since
D) In case
E) Given that
18. **Some people believe that we are a long way away from robots or instruments with artificial intelligence ---- our human intelligence processes and expanding beyond them without human support.**
A) constraining
B) accelerating
C) promoting
D) replicating
E) socialising

17-21: For these questions, choose the best word or expression to fill the spaces in the passage.

Eternal youth and endless bliss have always been vital human dreams. Connecting the circulatory system of old and young mice (parabiosis) is documented **(17)** ---- rejuvenating effects on cells, tissues, organs, and functions. The first blood rejuvenation studies on humans with Alzheimer's disease have started. It puts blood at the centre of therapy and revitalizes the historical line of humoral pathology from Hippocrates and Harvey, creating a new type of 'bloodletting.' However, moving from mice to men requires more **(18)** ----. Parabiosis actualizes well-known ethical challenges, **(19)** ---- just distribution of health care, avoiding disparities, and providing equal access to health care resources, as well as issues of human enhancement. **(20)** ----, it poses new problems, too. Using internal substances in some persons as means to rejuvenate others calls for ethical reflection. New type of 'blood bonds' may result from the continuous demand for specific types of blood. Although parabiosis may bring us closer **(21)** ---- the fountain of youth than ever, it is still too early to provide full-fledged assessments of its implications or to foresee how it will change health, aging, medicine, and society.

17.

- A) having had
- C) to have had
- E) having

- B) to have
- D) had

18.

- A) distribution
- B) sponsorship
- C) reimbursement
- D) consideration
- E) exploration

19.

- A) contrary to
- B) compared to
- C) such as
- D) regardless of
- E) thanks to

20.

- A) Similarly
- B) In other words
- C) On the contrary
- D) However
- E) In addition

21.

- A) to
- C) in
- E) with
- B) for
- D) by

22-26: For these questions, choose the best word or expression to fill the spaces in the passage.

It must be challenging to evacuate train passengers from a long tunnel **(22)** ---- an emergency. **(23)** ---- the evacuation time and average evacuation velocity of young adults under a train fire situation in railway tunnel, experiments and numerical simulations were conducted. According to the results, if the fire train continues running, the number of passengers in **(24)** --- - compartment affects the evacuation procedure in fire compartment greatly. If the fire train stops immediately, evacuation in the fire compartment is influenced greatly by the number and location of opened train doors. The average evacuation velocity decreases by 21.6% when two doors are opened on one side other than on two sides. **(25)** ----, it is advisable to set the evacuation velocities of young adult male and female to be 1.2 m/s and 1.0 m/s respectively under train fire situation in railway tunnel. The results have important implications **(26)** ---- rail safety.

22.

- A) instead of
- B) by means of
- C) apart from
- D) in case of
- E) as well as

23.

- A) To acquire
- B) Acquiring
- C) Acquired
- D) To be acquired
- E) Having acquired

24.

- A) adjacent
- B) contented
- C) thorough
- D) attentive
- E) approaching

25.

- A) To sum up
- B) Namely
- C) Conversely
- D) However
- E) Also

26.

- A) from
- B) with
- C) for
- D) off
- E) into

KEY			
1	A	21	A
2	C	22	D
3	A	23	A
4	B	24	A
5	C	25	E
6	D	26	C
7	B		
8	E		
9	C		
10	D		
11	E		
12	B		
13	A		
14	B		
15	B		
16	D		
17A			
18D			
CLOZE			
17	B		
18	D		
19	C		
20	D		

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