

Time: 10:20 ~ 12:00 (100 minutes)

3 Sections

Section 1: 15 Questions, 2.5 points for each question

Section 2: 10 Questions, 4.0 points for each question

Section 3: 9 Questions, 2.5 points for each question

No points will be deducted for incorrect answers.

SECTION 1

15 Questions

Directions: Each sentence below has one or two blanks, each blank indicating that something has been omitted. Beneath the sentence are five lettered words or sets of words. Choose the answer for each blank that best fits the meaning of the sentence as a whole.

- Emily says, "Biology is outside my realm of knowledge." In other words, she ___ the subject very well.
(A) likes
(B) dislikes
(C) does understand
(D) doesn't understand
(E) probably understands
- Jacob made an absurd comment because he _____.
(A) made a detailed observation
(B) delivered an inspiring speech
(C) made a cruel remark
(D) is ridiculous
(E) is knowledgeable
- 48 hours without sleep has really ___ me ___. I think I should not drive.
(A) burned ... out
(B) cheered ... up
(C) turned ... off
(D) cooled ... down
(E) set ... up
- The elastomeric mold can ___ fabricated and ___ various substrates.
(A) be easily ... applied to
(B) easily ... do
(C) is easily ... apply
(D) was easily ... was applied
(E) be easily ... applied
- Predicting the behavior of the microstructure using results from the simulation makes the experimental design ___ easier.
(A) a lot
(B) a lot of
(C) lots of
(D) many
(E) lot
- Anyone can cast ___ votes on the website.
(A) their
(B) his
(C) her
(D) his or her
(E) which
- If a young apprentice emulates a master's style, he ___ it.
(A) criticizes
(B) admires
(C) imitates

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- (D) stimulates
(E) loathes
8. The only way for a company to stay in business is ___ incessant innovations.
(A) when
(B) in
(C) through
(D) from
(E) with
9. Bovine serum albumin was used ___ prevent non-specific adsorption of nanoparticles.
(A) when
(B) in
(C) through
(D) for
(E) to
10. Each of the drugs ___ been screened.
(A) is
(B) has
(C) are
(D) have
(E) was
11. For each patient, 8 mL of whole blood ___ collected according to the manufacturer's instructions.
(A) is
(B) has
(C) are
(D) have
- (E) was
12. We have seen a continuous rise ___ production levels.
(A) for
(B) in
(C) of
(D) to
(E) with
13. There is little difference ___ those two models.
(A) between
(B) for
(C) of
(D) to
(E) with
14. The materials used in geopolymers ___ the microstructure of the gel.
(A) affect
(B) effect
(C) implement
(D) bring
(E) form
15. The CTO's extreme ___ led the company to the financial crisis.
(A) fallacious
(B) metamorphosis
(C) objection
(D) incompetence
(E) self-esteem

SECTION 2

10 Questions

Directions: Each sentence below has one underlined word or phrase, followed by five lettered words. Choose the lettered word that is most equally in meaning to the underlined word or phrase.

16. Many engineers pursue new technologies

simply because they are possible, without spending the time to think about the implications and consequences.

- (A) causes
(B) changes
(C) reasons

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- (D) effects
(E) advantages
17. Infectious diseases are very real threats to the lives and health of people in all parts of the world. The annual death rate of HIV/AIDS, malaria and tuberculosis patients combined is about 4.5 million in 2009.
(A) mortality
(B) morality
(C) morbidity
(D) virtue
(E) eternity
18. He is a careful and meticulous lab manager who keeps the facility in the clean room in excellent shape.
(A) inordinate
(B) vague
(C) superfluous
(D) depraved
(E) scrupulous
19. Many people have reservations about this fast pace of technology development at all levels—machinery, electronics, information, and biology.
(A) qualifications
(B) restrictions
(C) fantasies
(D) hesitation
(E) experiences
20. Representative responses of the Meddis model after five consecutive stimuli were shown in Figure 1.
(A) alternating
(B) unstoppable
(C) successive
(D) rhymed
(E) constituted
21. Tom asserted that adding the compound to the diets of people with cardiovascular disease can yield health-improving results.
(A) assessed
(B) confirmed
(C) denied
(D) repudiated
(E) affirmed
22. Gasoline prices fell by more than 30% last month. As a result, sales of luxurious vehicles increased.
(A) Consequently
(B) Causelessly
(C) Currently
(D) Conventionally
(E) Constantly
23. The big city was very expensive; the weather was bad and the people weren't very friendly. Nevertheless, we will probably return.
(A) At least
(B) Hitherto
(C) Henceforth
(D) Nonetheless
(E) In the end
24. Malala Yousafzai argued that children and young people should have access to education.
(A) indicated
(B) demonstrated
(C) overlooked
(D) raged
(E) claimed
25. We have addressed all comments from the referees in the revised draft.
(A) lectured
(B) mailed
(C) homed
(D) responded
(E) endeavored

SECTION 3

9 Questions

Directions: Each sentence below has five underlined words, phrases, or punctuations. Pick the one that seems redundant in meaning or is incorrect.

26. Multivariate analysis was employed to compare the relevant characteristics of teen users and nonusers of social media sites.
(A) Multivariate
(B) was
(C) to
(D) relevant
(E) teen
27. Consensus of opinion has not yet been achieved and must be built through scientific peer review.
(A) of opinion
(B) yet
(C) been
(D) must
(E) peer
28. The experiments were halted abruptly due to the fact of the withdrawal of funding.
(A) were
(B) abruptly
(C) due to
(D) the fact of
(E) the withdrawal of
29. Repetitive transcranial magnetic stimulation is generally considered to be safe at present.
(A) Repetitive
(B) is
(C) generally
(D) to be
(E) at present
30. Regarding POC devices must meet the “ASSURED” criteria: affordable, sensitive, specific, user-friendly, rapid, equipment-free and delivered.
(A) Regarding
(B) must
(C) the
(D) user-
(E) and
31. Most lymphocytes are smaller, than monocytes are.
(A) Most
(B) smaller
(C) ,
(D) than
(E) are
32. A team led by Dr. Hsiao from the University of Lake found the lobsters using a submarine.
(A) A
(B) led
(C) by
(D) from
(E) using a submarine
33. The hospital, where the research was conducted is a privately funded institute.
(A) The
(B) ,
(C) where
(D) was
(E) privately
34. The reason we conducted this study because it is important.
(A) The reason
(B) we
(C) because
(D) it
(E) is