성균관대학교 2021학년도 자연계 A형

25문항 · 90분

성균관대 10×10 완전분해 · Ⅱ 기출 10개년 · 튜나편입 재조판 5지선다 · 문항별 차등 배점(1.9~2.1점) = 영어 50점(수학 20문항과 합해 100점)

수험번호	이름	점수

[01-03] Choose one that is closest in meaning to the underlined expression.

01 Every physician treats some patients from whom he expects no <u>pecuniary</u> reward. [1.9점]

① small ② financial ③ good ④ sufficient ⑤ special

02 The money which the legislature appropriated for charitable uses has not yet been <u>allocated</u>. [1.9점]

① raised ② recognized ③ spent ④ requested ⑤ allotted

03 Sigmund Freud's analytical methods were designed to find details that didn't fit traditional paradigms in order to <u>come up with</u> a completely new point of view. [1.9점]

① supply ② understand ③ follow ④ refute ⑤ create

[04-05] Choose one that is either ungrammatical or unacceptable.

04 In trying to discover the truth and ① <u>find</u> the right path, we should exercise our utmost humility and discretion and ② <u>in putting</u> the truth into practice not a shred of selfish interest ③ <u>either</u> desire ④ <u>should</u> be allowed to intervene, ⑤ <u>as</u> the ancient sages teach us. [1.9점]

① find ② in putting ③ either ④ should ⑤ as

05 In the present age, ① <u>in which</u> science has made amazing inventions and discoveries but morality has not developed ② <u>so much</u>, the future of human beings ③ <u>would be</u> dark unless the young people ④ <u>were not</u> fully trained not only in intelligence ⑤ <u>but</u> in morality. [1.9점]

① in which ② so much ③ would be ④ were not ⑤ but

[06-12] Choose one that is most appropriate for the blank.

06 Criticism is not fault-finding, it is a balanced opinion. No statement must be made without a reason and an explanation being given. This is necessary if it is to have a guiding influence, as it should. To condemn without pointing the way to improvement helps nobody. Therefore, all criticism should be _____. [2.0점]

① careful ② logical ③ retrospective ④ constructive ⑤ generous

07 We currently use animals from bacteria to primates in many different ways — for food, clothing, entertainment in circuses and zoos, and medical experiments. Some would argue that all of these uses of animals are wrong and that they should never be used as a means to a human end. Other would take the _____ view that it is right and natural for us to use other species for our own benefit and that this is indeed the key to our continuing evolutionary success. [2.0점]

① convenient ② optimistic ③ opposite ④ contradictory ⑤ right

08 Language is part of the different ways that men and women think about friendship. Most North American men believe that friendship means doing things together such as camping or playing tennis. Talking is not an important part of friendship for most of them. American women, _____, usually identify their best friend as someone with whom they talk frequently. For women, talking with friends and agreeing with them is very important. [2.0점]

① on the other hand ② thus
③ likewise ④ in this way
⑤ in the similar vein

09 The few remaining outposts of smoking in public indoor spaces in New York City, such as small restaurants and bars, will be smoke-free — if Mayor Michael Bloomberg has his way, and it seems that he will. While most of the workers in these establishments and their nonsmoking customers breathe a sigh of relief, smokers find their universe shrinking yet again. The law, if passed by the City Council, will put the city as the nation's most _____ places for smoking. [2.0점]

① comfortable ② narrow
③ adequate ④ crowded
⑤ unaccommodating

10 Last summer, I attended a panel at an education conference where the moderator asked a group of panelists, "How do you define blended learning?" The moderator's question came from a realistic vantage point: with a wide range of educational terms, including project-based learning, blended learning, personalized learning, and online learning, it can be difficult to _____ what blended learning is. [2.0점]

① demand ② define ③ ask ④ approve ⑤ assimilate

11 Using an appropriate research method for inquiry is critical to successful research. Grounded theory and qualitative content analysis _____. Both are based on naturalistic inquiry that entails identifying themes and patterns and involves rigorous coding. [2.0점]

① narrow the discrepancy ② share similarities
③ clarify ambiguities ④ develop a theory
⑤ provide knowledge

12 In an effort to _____ its operations, the corporation announced it was acquiring a _____ company in a different type of manufacturing. [2.0점]

① multiply — monopolizing ② intensify — peculiar
③ diversify — subsidiary ④ facilitate — sequential
⑤ smooth — major

Choose the sentence that is NOT appropriate for the whole context.

13 My roommate and I are not very compatible. We have different sleeping habits. He likes to stay up late watching TV or listening to music, ① but I usually go to bed early. In addition, he is a very neat person. He likes the room neat and clean at all times. On the other hand, I am very messy. ② I always have my books and papers scattered all over the room. Finally, while my roommate is very social, I am quite private. ③ He wants to invite his friends to our room, thus converting our room to the party place. ④ Luckily, we both like the same kind of music. On the contrary, ⑤ I want my privacy, thinking of my room as my own space where I can be myself. [2.0점]

① but I usually go to bed early
② I always have my books and papers scattered all over the room
③ He wants to invite his friends to our room, thus converting our room to the party place
④ Luckily, we both like the same kind of music
⑤ I want my privacy, thinking of my room as my own space

Read the following passage and answer the questions.

[14-16] 248 words

Artificial intelligence technology restores the voices of deceased musicians to sing contemporary songs. A game company airs a song competition show for the soundtrack of its title game. The local music scene ① continues to evolve, with the convergence of media, technology and industries.

South Korean game company Nexon adopted a TV competition show format to best fit Dungeon and Fighter, an arcade-style action game. The five-episode series, available on YouTube channel Dingo Music, has garnered more than 2 million views as of Thursday, the company said. It is not the first time that Nexon has sought ② a conventional collaboration with the music industry. The company has previously collaborated with a wide range of musicians, from the Czech National Symphony Orchestra to popular singer-songwriter Yozoh. The company has also been arranging concerts featuring both classical and popular music.

The increased use of artificial intelligence is ③ invigorating the local popular music scene. Music channel Mnet recently presented AI music project "Once More Time," featuring deceased artists through holograms and AI voice covers. South Korean broadcaster SBS also aired a competition between AI and human experts in which they sought to re-create legendary singer Kim Kwang-suk, who died in 1996 at the age of 31. "If the previous music competition programs focused on the contest, recent music programs are taking more diverse approaches ④ by applying new technologies and ⑤ introducing different types of music, like game soundtracks. Such novel attempts are expected to continue making an impact," said a local music critic.

14 What is NOT appropriate for the whole context? [2.0점]

① continues to evolve
② a conventional collaboration
③ invigorating the local popular music scene
④ by applying new technologies
⑤ introducing different types of music

15 What is the author's view on artificial intelligence technology? [2.0점]

① ambiguous ② suspicious ③ hostile ④ uncertain ⑤ promising

16 What is the main idea of the passage? [2.0점]

① Collaboration of AI and music industry
② Revival of the voices of deceased musicians
③ Combination of classical and popular music
④ Recreation of old popular songs
⑤ Competition between AI and human experts

[17-19] 299 words

European and U.S. astronomers Thursday announced the discovery of two solar systems with planets in orbits similar to our own, a finding that boosts the odds that they house extraterrestrial life. In all, astronomers announced they had found 27 previously unknown planets, bringing the number of known planets orbiting nearby stars to more than 100.

One group led by Geoffrey Marcy of the University of California-Berkeley and Paul Butler of the Carnegie Institution of Washington, D.C., released details of 15 planets. A European team led by Swiss astronomer Michael Mayor of the University of Geneva unveiled details of 12 more, several days ahead of a planned announcement at a science meeting.

"There must be billions of planetary systems like our own within our Milky Way galaxy," Marcy says. His team found that the star 55 Cancri hosts a Jupiter-like planet occupying a near-circular orbit, much like Jupiter's. The planet, a giant ball of gas, takes about 14 years to circle 55 Cancri, a star 41 light-years away in the constellation Cancer.

Marcy's team calculates that a planet like Earth could safely orbit 55 Cancri without disturbance from planets orbiting the star. The European team also reports on a different solar system with a planet that resembles Jupiter in size and its circular orbit.

Astrobiologists say solar systems whose outlying gas giants follow near-circular orbits might be more likely to have planets with life. In theory, the Jupiter-like objects would screen smaller, Earth-like planets closer into their star from comet impacts, as Jupiter apparently has done over the history of our own solar system. Plus, a planet with a circular orbit has less chance of disturbing the orbital stability of other planets. Astrophysicist David Spergel of Princeton University says, "Now we have the first report that suddenly our solar system _____."

17 What is the topic of the passage? [2.0점]

① Calculation of the circular orbit of an unknown planet
② The distance among planets in star systems
③ An announcement of a science meeting
④ Star systems similar to ours found
⑤ A planet resembling Jupiter found

18 Which one is true of the passage? [2.0점]

① The planet which 55 Cancri hosts takes about 41 years to circle 55 Cancri.
② A different solar system which European team of astronomers found has a planet resembling Jupiter.
③ The number of previously unknown planets which the astronomers found is more than 100.
④ Theoretically, Jupiter-like objects are believed to screen greater planets.
⑤ A planet with a circular orbit has less chance of promoting other planet's orbital stability.

19 What is most appropriate for the blank? [2.0점]

① is not important
② is in danger
③ is much like Jupiter
④ is too far from 55 Cancri
⑤ is not special

[20-22] 195 words

The internet has enabled us to connect with family and friends across the world in a matter of second. Online classrooms and instant messaging allow us to meet people, form acquaintance and friendships, and even initiate romance. It would seem that the internet has fostered community and allows people to formulate deeper connections. But a study has discovered a surprising and somewhat disturbing fact: people who spend a great deal of time online actually feel more isolated and lonely than their non-networked peers.

The internet has the effect of replacing the strong social ties of family and close friends with the weak ones of acquaintanceship. As a researcher says, we cannot ask someone we met in a chat room to baby-sit our baby. Personal exchanges on the internet, no matter how heartfelt, have the _____ quality of all digital data: unattached to a voice or a face, they appear in an instant and then vanish, lacking even the substance of a postcard. People come and go from a chat room, or they pop up again, cloaked in a new screen name. There is nothing so futile as trying to send e-mail to a nonexistent internet address.

20 What is the main idea of the passage? [2.0점]

① The futile relationship formed by the internet
② The harm brought about by the internet
③ The internet as a means of overcoming the isolation
④ The difficulty in formulating deeper connections between people
⑤ The convenience of the internet in the formation of friendship

21 What is most appropriate for the blank? [2.1점]

① spontaneous ② intimate ③ irritating ④ evanescent ⑤ detached

22 What is NOT true of the above passage? [2.1점]

① The internet users can use new screen names.
② By using the internet, the online class has achieved many revolutionary changes.
③ By using the internet, we can immediately connect with other people in the world.
④ The internet produces the weak ties of acquaintanceship or friendship.
⑤ People who rely on the internet as a means of forming acquaintance feel more isolated than their non-networked peers.

[23-25] 154 words

Assumptions about the nature of the family abound in social sciences. The disciplines of anthropology, sociology, and psychology all have particular orientations to the institution of the family that define their theoretical positions and research agendas. Among sociologists and anthropologists, a starting premise about the family has been that it is one of the central organizing institutions of society. Its centrality comes from having the capacity to organize social life quite effectively by regulating sexuality, controlling reproduction, and ensuring the socialization of children who are born within the family unit. Many social science disciplines start with the question "how is society possible?", and they recognize that _____ is a very effective means of providing social regulation and continuity. Through the institution of the family, individuals are joined together and given the social and legal sanction to perpetuate their name and traditions through their offsprings. Whole societies are replenished with future generations of leaders and workers.

23 What is most appropriate for the blank? [2.1점]

① the common belief shared by the members of the society
② the establishment of perpetual family name
③ the regulation and control of sexuality
④ the socialization of the children
⑤ the organization of individuals into family units

24 What is the main theme of the passage? [2.1점]

① importance of the discipline of sociology
② function of the social regulation in the formation of the society
③ family as the central organizing institution of the society
④ significance of the perpetuation of the family name
⑤ family as the means of ensuring future generations

25 Which of the following can replace the underlined word "sanction"? [2.1점]

① approval ② sacredness ③ privilege ④ penalty ⑤ petition