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2022학년도 편입학	필기시험 문제지 (A형)	
일 반 편 입 학	· : 인 문 계 ·예 체 능 계	
지원캠퍼스	수원(),서울()	
지원학과		
수험번호		
성 명		
KGU 경기대학교		

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- 2. 문항배점

1번~10번 문항 : 2.0점

11번~30번 문항 : 2.5점

31번~40번 문항 : 3.0점

- 3. 문제지의 유형과 답안지의 유형이 동일한지 확인하고 작성하여야 합니다.
- 4. 수험번호 표기란과 답안 표기란은 감독관이 지급한 컴퓨터용 사인펜만을
 사용하여야 합니다.
- 5. 답안을 표기할 경우 "●" 같이 정확히 마킹하여야 하며, 부정확한 표기로 인하여 전산상 더블마킹 및 블랭크로 처리되는 것은 수험생의 책임으로 합니다.

▶ 잘못 표기된 예 : ○ ◎ ①

- 6. 답안을 수정하고자 할 경우 감독관에게 새 답안지를 요청하여 다시 기재 하여야 합니다.
 - 한번 표기한 답은 "×"표를 하거나 칼로 긁거나 수정액으로 지우는 등 어떠한 방법으로도 고쳐서는 안되며 고친 문항 및 이중마킹한 경우에는 "0"점 처리합니다.

KGU 경기대학교	2022학년도 편입	학 필기시험(A형)	
(#1-10) Choose the option that best completes each sentence. (2 points for each question)			kers, stopping them from
1 Many senators have ser	ious about the bill,	scoring a single goal	-
-	<i>increase the national debt.</i>	(1) coddled	
(1) liabilities		(3) extricated	(4) splintered
(3) reservations	• • •		sting in new space telescopes
2. Angry citizens are refus after its owner posted a	ing to a local café a crude joke online.	the devices reveal fu	nificant costs of doing so, as undamental truths about the
(1) obstruct	•	universe.	(2) outcourse
(3) intercede	,, ,	(1) outthink	(2) outsource
		(3) outweigh	(4) outgrow
	ttempted to damage it, the ed behind shatterproof glass otential	—	tion that is closest in meaning (2.5 points for each question)
(1) tyrants		11. The employee manu	al clearly explains that
(3) precursors			the tolerance for <u>chronic</u>
4. Species threatened with	extinction can if	(1) habitual	(2) conventional
appropriate conservation	n efforts are taken.	(3) reckless	(4) incompetent
(1) recoup	(2) retreat		
(3) revolve	(4) rebound	12. There was a tacit a	greement between the two
5. When scientists conduct dietary studies on animals,		brothers that they w business someday.	vould jointly run the family
-	ways be to humans,	(1) vague	(2) unspoken
	en work in different ways.	(3) vacant	(4) unaware
(1) extrapolated(3) reciprocated		13. The actor had such	an unassuming demeanor that
6. The hiring board threw	aut the isk application of	people barely notice	
-	nis documents, having easily	(1) fragile	(2) nimble
seen through such		(3) modest	(4) thrifty
(1) chicanery	(2) hyperbole	14 Finding corious infu	ingement of convergent the
(1) cincallery (3) verbiage	(4) banality	court ruled in favor	ingement of copyright, the
(5) verolage	() culturity	(1) pretense	(2) violation
7. China is home to 1.4 b	illion people, making it the	(1) pretense (3) infliction	(2) violation (4) nuisance
most country i			(+) nuisance
(1) assiduous	(2) copious	15. The fame of the fil	m Forrest Gump easily
(3) ubiquitous	· · ·		novel on which it was based.
		(1) exposed	(2) hampered
8. The overrepresentation of sample could	the results of a survey.	(3) mustered	(4) surpassed
(1) exclude	(2) demote	16. Although he once h	ad an <u>equable</u> temperament,
(3) skew	(4) offend	the chess genius be his later years.	came excitable and unstable in
		(1) vacuous	(2) persistent
		(3) abstruse	(4) placid

2022학년도 편입학 필기시험(A형)

(#31-40) Read the following passages and choose the one best answer for each question. (3 points for each question)

Questions 31-34 are based on the following passage.

The period after the French Revolution was a time of widespread cultural reform in France, with the Republicans seeking to rid the country of various **vestiges** of the *ancien régime*. One particularly notable product of this reform movement was the French Republican calendar of 1793, which would remain in use until Napoleon reinstated the Gregorian calendar in 1806.

While the inventors of the French Republican calendar retained the twelve-month structure of the year, they renamed each month based on the seasons and associated natural phenomena, including rain and frost. (A) , they standardized the length of the months, dividing each into three ten-day weeks, in keeping with a broader push toward utilization of the decimal system in weights and measures. When the calendar was printed, it was illustrated with gorgeous images inspired by nature and mythology.

Despite all the effort that went into the calendar project, the final product was not particularly well received. Workers complained that their weekly day of rest was reduced from one in seven days to one in ten days. At the same time, citizens of France's foreign territories felt slighted by the Paris-centric naming system, which often failed to reflect their own climates. All in all, it is perhaps unsurprising that the calendar lasted as briefly as it did.

- 31. Which of the following is closest in meaning to the underlined word <u>vestiges</u>?
 - (1) remnants (2) calamities
 - (3) transgressions (4) proponents
- 32. Which of the following is most appropriate for blank (A)?
 - (1) In general (2) In addition
 - (3) For that reason (4) As a matter of fact

- 33. Why did the French Republican calendar upset people in French overseas territories?
 - (1) It tied local traditions to the ancien régime.
 - (2) It ignored all non-French cultural traditions.
 - (3) Its names for the months were all based on seasons around Paris.
 - (4) Its printed images were insensitive to foreign cultures.
- 34. Which of the following is correct about the French Republican calendar?
 - (1) It was originally implemented by Napoleon.
 - (2) It moved away from the decimal system.
 - (3) It divided all months into equal durations.
 - (4) It shortened the existing working week.

2022학년도 편입학 필기시험(A형)

Questions 35-37 are based on the following passage.

is Piano Sonata No. 2 one of the most recognizable works by 19th-century Polish pianist and composer Frédéric Chopin. While the public was almost immediately enchanted by the work, many of the leading critics of the day were less than impressed. One of its most outspoken detractors was celebrated composer Robert Schumann. He, along with other critics of the time, argued that the work's movements did not fit together thematically. Because of this supposed shortcoming, the work was regarded as being (A) in form. In fact, some critics argued that it should not be classified as a sonata at all.

Notwithstanding these harsh appraisals, the work's third movement, titled "Funeral March," received high praise. Celebrated composer Franz Liszt, a friend of Chopin, found this movement nothing short of brilliant. His sentiment was echoed by other musicians, and the Funeral March has become one of the most enduring movements written for the piano. It has also influenced compositions in many genres of modern music, from jazz to electronic.

- 35. Which of the following is most appropriate for blank (A)?
 - (1) opulent (2) unorthodox
 - (3) unrelenting (4) excellent
- 36. What is the main purpose of the passage?
 - (1) To review the critical reception of Piano Sonata No. 2
 - (2) To analyze the musical structure of Piano Sonata No. 2
 - (3) To examine the influence of various composers on Piano Sonata No. 2
 - (4) To counter the negative assessments of Piano Sonata No. 2
- 37. Which of the following is correct about Piano Sonata No. 2?
 - (1) It was largely disliked by the public upon its release.
 - (2) Schumann had mixed feelings about its musical value.
 - (3) Many critics regarded it as having clashing themes.
 - (4) Its third movement was less well received than its other movements.

Questions 38-40 are based on the following passage.

In 1753, the prolific collector Hans Sloane passed away. In his will, he asked the British government to use his collection to establish the first public museum, which would later become the British Museum.

Sloane lived during a **pivotal** time in European intellectual history. As the British Empire's trade network expanded, Sloane and others were able to travel the world and gather specimens and artifacts from far-flung regions. In keeping with traditions of the time, Sloane's collection consisted of a hodgepodge of items ranging from animal skeletons to musical instruments.

In the years after his death, the Enlightenment would take hold. A central tenet of this period was the systematization of knowledge, with attendant attempts to delineate and formalize distinct academic disciplines ranging from geology to anthropology. Because of this shift, Sloane's assortment of items seemed haphazard and incoherent, harkening back to an era in which the public marveled at curious collections of strange objects of all types. Increasingly, it became the norm to treat objects as belonging to specific intellectual domains rather than to lump them all together. However, curators today are beginning to rediscover the value in breaking down disciplinary boundaries juxtaposing and seemingly disparate objects.

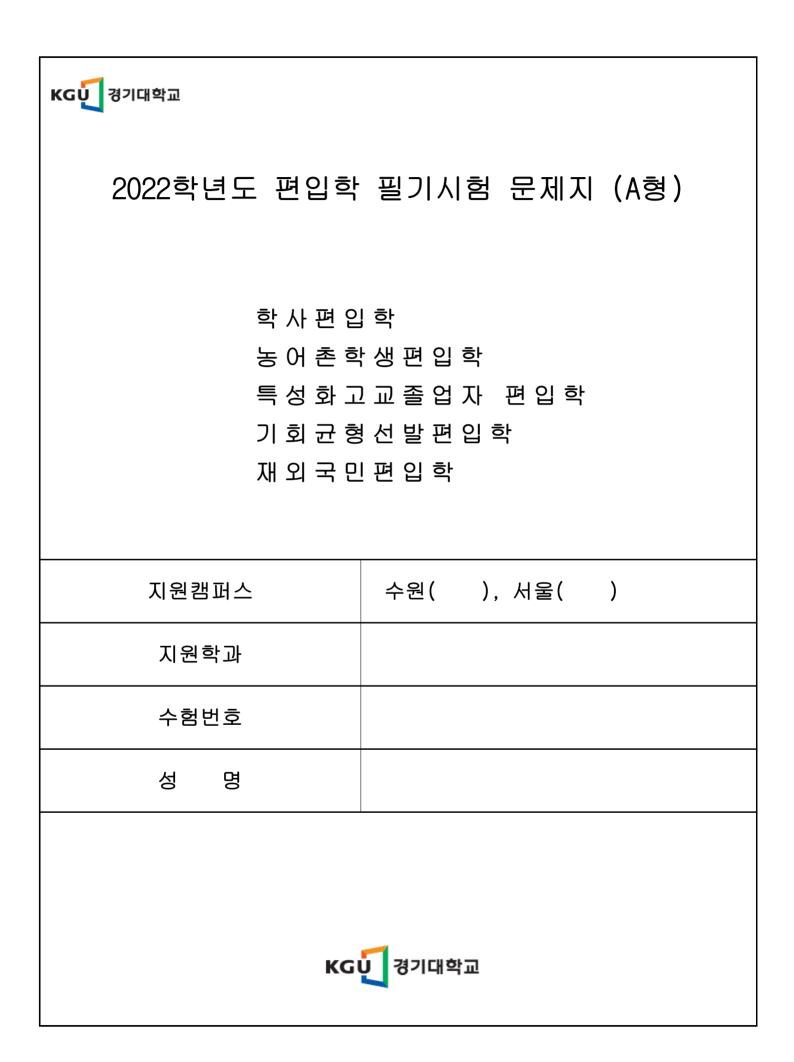
- 38. Which of the following is closest in meaning to the underlined word **pivotal**?
 - (1) successful (2) confusing
 - (3) liberal (4) important

39. Why did Sloane's approach become unpopular?

- (1) It overlooked important gaps in knowledge.
- (2) It was unable to sustain the public's interest.
- (3) It came to be seen as lacking sufficient focus.
- (4) It was criticized for relying on colonialism.
- 40. What can be inferred about Sloane from the passage?
 - (1) He became wealthy through the sale of rare objects.
 - (2) He specialized in the collection of rare British artifacts.
 - (3) He exhibited his collection to the public throughout his life.
 - (4) He wanted his collection to benefit more than just intellectuals.

일 반 편 입 학 : 인 문 계·예 체 능 계 (A형)

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33 3	
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36 1	
37 3	
38 4	
39 3	
40 4	



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11번~30번 문항 : 2.5점

31번~40번 문항 : 3.0점

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▶ 잘못 표기된 예 : ○ ◎ ①

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КG [경기대학교 2022학년도 편입	학 필기시험(A형)
 (#1-10) Choose the option that best completes each sentence. (2 points for each question) 1. With unfilled orders piling up, the company decided to him many numbers to help here the term. 	 9. If you refuse to take a clear position in a debate, you might be accused of (1) grievance (2) equivocation (3) imposition (4) gaudiness
 to hire more employees to help handle the (1) stalemate (2) upkeep (3) backlog (4) loophole 2. Most scientists date the of the universe to roughly 13.8 billion years ago, when the Big Bang occurred. (1) influx (2) exodus (3) genesis (4) heritage 3. The celebrity was so upset by the journalist's lies about his personal life that he considered suing her for (1) libel (2) stigma 	 10. Because her colleagues sensed that she was flattering the boss to further her own career, the woman gained a reputation as a (1) demagogue (2) firebrand (3) misanthrope (4) sycophant (#11-20) Choose the option that is closest in meaning to the underlined part. (2.5 points for each question) 11. Even though the ambassador's comments were mostly <u>innocuous</u>, they caused a diplomatic dispute between the two countries. (1) varue (2) gravious
 (1) libel (2) stigma (3) censure (4) rebuttal 4. After weeks of about whether to support the proposed law, the senator finally agreed to vote in favor of it. (1) accumulating (2) vacillating (3) improvising (4) staggering 5. In the winter, many Canadians travel to tropical countries in search of a from the cold and	 (1) vague (2) gracious (3) harmless (4) incompetent 12. The new evidence fully <u>exonerated</u> the accused, so the prosecutor dropped all charges. (1) condoned (2) absolved (3) evacuated (4) obliged 13. The congressman was such an <u>articulate</u> speaker that even his political opponents admired his way with words.
snow back home. (1) protraction (2) respite (3) deferral (4) moratorium 6 With his overdone showmenship and flashy	 (1) gratuitous (2) evasive (3) eloquent (4) solemn 14. The giveaway advertised by the supermarket was
 6. With his overdone showmanship and flashy costumes, the pianist Liberace was known as much for his as for his music. (1) stringency (2) vicissitude (3) impartiality (4) flamboyance 7. The collection agency offered the man an: either new his hills on farfait his memory. 	 mostly a ploy to lure consumers into the store. (1) tactic (2) jest (3) prank (4) pose 15. The local government is trying to <u>ameliorate</u> the difficult conditions caused by the ongoing drought.
either pay his bills or forfeit his property. (1) alteration (2) impetus (3) ultimatum (4) expedient 8. Members of the airline's loyalty program were	 (1) improve (2) provoke (3) remove (4) spread 16. The timing of the man's investment in the mining company turned out to be <u>fortuitous</u> , resulting in an unexpectedly quick profit. (1) lucky (2) rational (3) careful (4) sensible

кс 近 경기대학교 2022학년도 편입	학 필기시험(A형)
 17. The president exerted his influence to <u>cajole</u> other leaders at the summit into supporting his agenda. (1) yank (2) dodge (3) tout (4) coax 18. Although the two colleagues did not like each other, they managed to maintain <u>amicable</u> relations in the workplace. (1) expert (2) courteous (3) veteran (4) authoritative 19. The election of the divisive mayor <u>heralded</u> a difficult period of political polarization for the city. (1) divulged (2) foreshadowed (3) solicited (4) decompressed 20. While the woman enjoyed talking freely, her husband was a <u>taciturn</u> man who preferred to listen. (1) disconcerted (2) undaunted (3) astounded (4) reserved 	 확 필기시宫(A형) 24. After months <u>spend</u> assembling a formidable (1) roster, the team seems once again to be reaching (2) the caliber <u>attained in years past</u>. (3) (4) 25. The rapid adoption of battery-powered vehicles will contribute to a <u>significantly</u> reduction in (1) (2) carbon emissions, though <u>much more</u> must be (3) done to achieve the goals <u>set</u> at recent climate (4) 26. <u>Had the contractor known</u> that the materials used (1) in the construction of the tower <u>were</u> faulty, he (2) very likely <u>would have been held</u> criminally (3) liable <u>by</u> the tower's collapse. (4)
 (#21-30) Identify the one underlined expression that must be corrected in each sentence. (2.5 points for each question) 21. Because the confession letter had been signed (1) (2) under duress, the lawyer demanded that it (3) immediately was declared inadmissible as (4) evidence. 22. Scientists warn that climate change could impact (1) (2) under (1) under (2) 23. The CEO is rumored to be considering to offer (1) (1) (2) (2) (3) (4) (4) (4) (5) (6) (7) (7) 23. The CEO is rumored to be considering to offer (1) (2) (1) (2) (2) (3) (4) (4) (4) (5) 	 27. Should the reports of the company dumping toxic (1) (2) waste into the river prove to be true, the (3) company could not face only enormous fines but (4) also a possible criminal investigation. 28. One of the main aims of the downtown revitalization project are to stimulate activity in (1) the downtown core by repurposing unused (2) buildings that are of historical significance to our (3) (4) city. 29. The committee will probe the issue of whether (1) (2) the senator's financial transactions constitute a (3) violation of the rules pertain to conflicts of (4)

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30. <u>Having been devoted</u> his life <u>to building up</u> his (1) (2) business empire, the tycoon could not help but

for min to pass on control to mis successor.

(#31-40) Read the following passages and choose the one best answer for each question. (3 points for each question)

Questions 31-34 are based on the following passage.

Throughout the first half of the 20th century, India was engaged in an ongoing struggle for independence. One tool in India's resistance against its colonizer, Great Britain, was a practice called *satyagraha*, which was advocated by the Indian activist Mohandas Gandhi. Satyagraha emphasized resistance to authority through nonviolent measures.

One particular event, known as the Salt March, was pivotal in establishing the effectiveness of satyagraha. This march was held to protest against the India Salt Act of 1882. On top of forbidding Indians from manufacturing and selling their own salt, this law imposed a heavy tax on the salt Indians were forced to buy from the British. Gandhi believed that flouting this law by illegally extracting the mineral would inspire others to embrace nonviolent resistance.

To <u>thwart</u> the protest, the British attempted to destroy the salt deposits on the beach where Gandhi and his many followers planned to harvest the mineral. However, they found it impossible to entirely rid the beach of salt deposits, so Gandhi was able to publicly defy the law. The protest led to the arrest of around 60,000 Indians, including Gandhi. <u>(A)</u>, the people's will to fight for justice survived. Indeed, it was only strengthened by the increasingly harsh attempts of the British to counter Gandhi's protest methods.

- 31. Which of the following is closest in meaning to the underlined word **thwart**?
 - (1) track (2) revoke
 - (3) detect (4) hinder
- 32. Which of the following is most appropriate for blank (A)?
 - (1) In conclusion (2) Similarly
 - (3) Nevertheless (4) For instance

- 33. How did Gandhi defy the India Salt Act of 1882?
 - (1) By refusing to collect taxes on sales of salt
 - (2) By openly collecting salt from the seaside
 - (3) By transporting salt to coastal communities
 - (4) By selling salt without British permission
- 34. What can be inferred from the passage?
 - (1) Gandhi's companions on the march were mostly salt merchants.
 - (2) Satyagraha continued in India despite Gandhi's arrest.
 - (3) The Salt March was responsible for hundreds of deaths.
 - (4) India's independence quickly followed the Salt March.

Questions 35-37 are based on the following passage.

In the mid-19th century, most of London's human waste was dumped into the Thames River, which ran directly through the city center. When London was struck by a heat wave in 1858, the waste-filled waterway emitted a pestilential odor that came to be dubbed the Great Stink. The stench was so intense in the (A) summer heat that London's public was driven to desperation.

Despite the British Parliament being on the banks of the river, the country's leaders had long resisted taking steps to fix London's waste problem. However, even after retreating into their offices and dousing their curtains with lime and carbolic acid, the men could no longer ignore the unhealthy stench. Eventually, the Chancellor of the Exchequer, Benjamin Disraeli, tabled an ambitious bill to solve the problem. After 18 days of debate, the bill was passed, clearing the way for the construction of a sophisticated sewer system. The noted civil engineer Joseph Bazalgette was put in charge of this project.

Because London was the world's largest city and the center of a massive trading empire, no cost was spared on the system, which consisted of an elaborate series of tunnels, embankments, and pumping stations. When completed, the system diverted London's human waste into a largely uninhabited stretch of the Thames downstream from London. As a result, London's air quality improved, and incidences of water-borne diseases fell.

кб 2022학년도 편입	학 필기시험(A형)
35. Which of the following is most appropriate for blank (A)?	The American section of the falls, which receives far less water than the Canadian side, was effectively
	shut off by the US government in 1969. This
(1) stifling (2) profane	disruption lasted from June to November 1969 and
(3) typical (4) elusive	was intended to facilitate research on the geology of
36. What did Joseph Bazalgette's system accomplish?	the falls.
(1) It treated waste before releasing it into the	38. Which of the following is closest in meaning to
Thames.	the underlined word regulates ?
(2) It prevented most of London's waste from	(1) controls (2) halts
entering the Thames.	(3) advances (4) creates
(3) It collected pollutants from the most	20 When did American officials store the US section
contaminated portion of the Thames.	39. Why did American officials stop the US section
(4) It redirected waste into a less populated	of Niagara Falls in 1969?
stretch of the Thames.	(1) To divert water to a different section of the falls
37. What can be inferred from the passage?	(2) To study the effects of reduced water flow on
(1) The majority of lawmakers immediately	the falls
embraced Disraeli's bill.	(3) To prevent a large buildup of ice in the
(2) Lawmakers were personally affected by the	Niagara River
stench.	(4) To assist in the investigation of the rock
(3) London struggled to raise the funds needed	structure of the falls
by Bazalgette.	
(4) The waste in the Thames mostly originated	40. Which of the following is correct according to
outside of London.	the passage?
	(1) The cold spell in 1848 extended throughout
Questions 38-40 are based on the following passage.	March.
Niagara Falls on the border between the United	(2) The Niagara River carried chunks of ice into
States and Canada is one of the world's mightiest	Lake Erie.
waterfalls. However, on March 30, 1848, the water	
completely stopped flowing over the falls.	(3) The blockage of Niagara Falls in 1848 lasted
During the previous month, the weather became	for less than a day.
bitterly cold, and thick ice formed upriver on Lake	(4) The horseshoe portion of the falls receives
Erie. Then, in March, a warm spell caused the ice	more water than the other portion.
sheet to break up. On March 28 and 29, high winds	
blew chunks of loose ice across the lake. The	
current drew these chunks into the mouth of the	
Niagara River, which feeds Niagara Falls. Eventually,	
the ice chunks piled up, creating a blockage between	
the cities of Buffalo and Fort Erie. The waterfall ran	
dry for around 30 hours.	
Since this incident, the "horseshoe" portion of the	
falls, which lies on the Canadian side of the border,	
has never ceased flowing. A structure called a boom	
is now installed on Lake Erie every winter. This	
structure regulates ice formation and ice flow,	
ensuring that water continues to flow over the	

ensuring that water continues to flow over the

Horseshoe Falls.

정 원 외 편 입 학 (A형)

정답	(A형)
문항	정답
01	3
02	3
03	1
04	2
05	2
06	4
07	3
08	1
09	2
10	4
11	3
12	2
13	3
14	1
15	1
16	1
17	4
18	2
19	2
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21	4
22	4
23	2
24	1
25	2
26	4
27	4
28	1
29	4
30	1
31	4
32	3
33	2
34	2
35	1
36	4
37	2
38	1
39	4
40	4

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2022학년도 편입학	필기시험 문제지 (A형)	
 일 반 편	입 학 : 자 연 계	
지원캠퍼스	수원(), 서울()	
지원학과		
수험번호		
성 명		
KGU 경기대학교		



1. 문제지는 총 45문항으로 구성되어 있습니다.

2. 문항배점

1번~10번 문항(영어) : 1.5점

11번~20번 문항(영어) : 2.0점

21번~25번 문항(영어) : 3.0점

26번~35번 문항(수학) : 2.0점

36번~45번 문항(수학) : 3.0점

- 3. 문제지의 유형과 답안지의 유형이 동일한지 확인하고 작성하여야 합니다.
- 4. 수험번호 표기란과 답안 표기란은 감독관이 지급한 컴퓨터용 사인펜만을
 사용하여야 합니다.
- 5. 답안을 표기할 경우 "●" 같이 정확히 마킹하여야 하며, 부정확한 표기로
 인하여 전산상 더블마킹 및 블랭크로 처리되는 것은 수험생의
 책임으로 합니다.
 - ▶ 잘못 표기된 예 : ◎ ①
- 6. 답안을 수정하고자 할 경우 감독관에게 새 답안지를 요청하여 다시 기재 하여야 합니다.
 - 한번 표기한 답은 "×"표를 하거나 칼로 긁거나 수정액으로 지우는 등 어떠한 방법으로도 고쳐서는 안되며 고친 문항 및 이중마킹한 경우에는 "0"점 처리합니다.

	년도 편입학 필기시험(A형) 일반편입학:자연계)
(#1-10) Choose the option that best completes each sentence. (1.5 points for each question)	you might be accused of
1. With unfilled orders piling up, the company decided to hire more employees to help handle the	(1) grievance(2) equivocation(3) imposition(4) gaudiness
(1) stalemate(2) upkeep(3) backlog(4) loophole	10. Because her colleagues sensed that she was flattering the boss to further her own career, the woman gained a reputation as a
 2. Most scientists date the of the universe to roughly 13.8 billion years ago, when the Big Bang occurred. (1) influx (2) and us 	(1) demagogue(2) firebrand(3) misanthrope(4) sycophant
(1) influx(2) exodus(3) genesis(4) heritage	(#11-15) Choose the option that is closest in meaning to the underlined part. (2 points for each question)
 3. The celebrity was so upset by the journalist's lies about his personal life that he considered suing her for (1) libel (2) stigma (3) censure (4) rebuttal 	 11. Even though the ambassador's comments were mostly <u>innocuous</u>, they caused a diplomatic dispute between the two countries. (1) vague (2) gracious (3) harmless (4) incompetent
 4. After weeks of about whether to support the proposed law, the senator finally agreed to vote in favor of it. (1) accumulating (2) vacillating (3) improvising (4) staggering 	 12. The new evidence fully <u>exonerated</u> the accused, so the prosecutor dropped all charges. (1) condoned (2) absolved (3) evacuated (4) obliged
 5. In the winter, many Canadians travel to tropical countries in search of a from the cold and snow back home. (1) protraction (2) respite (3) deferral (4) moratorium 	 13. The congressman was such an <u>articulate</u> speaker that even his political opponents admired his way with words. (1) gratuitous (2) evasive (3) eloquent (4) solemn
 6. With his overdone showmanship and flashy costumes, the pianist Liberace was known as much for his as for his music. (1) stringency (2) vicissitude (3) impartiality (4) flamboyance 	 14. The giveaway advertised by the supermarket was mostly a ploy to lure consumers into the store. (1) tactic (2) jest (3) prank (4) pose 15. The local government is trying to ameliorate the
 7. The collection agency offered the man an: either pay his bills or forfeit his property. (1) alteration (2) impetus (3) ultimatum (4) expedient 	difficult conditions caused by the ongoing drought. (1) improve (2) provoke (3) remove (4) spread
 8. Members of the airline's loyalty program were special privileges, such as priority boarding. (1) afforded (2) exposed (3) ascribed (4) consigned 	

KG 2022학년도 편입학 필기시험(A형) (일반편입학:자연계)		
(#16-20) Identify the one underlined expression that must be corrected in each sentence. (2 points for each question)	(#21-25) Read the following passages and choose the one best answer for each question. (3 points for each question)	
 16. Because the confession letter had been signed (1) (2) (2) (3) (4) (4) (5) (6) (7) (7) (8) (9) (1) (1) (1) (2) (1) (1) (2) (1) (1) (2) (1) (1) (2) (1) (2) (3) (4) (4) (1) (1) (2) (1) (2) (1) (2) (1) (2) (3) (4) (4) (4) (5) (6) (7) (7) (8) (9) (9) (1) (1) (1) (2) (2) (3) (4) 20. The rapid adoption of battery-powered vehicles (1) (2) (2) (3) (4) 20. The rapid adoption of battery-powered vehicles (1) (2) (2) (3) (4) 20. The rapid adoption of battery-powered vehicles (1) (2) (2) (3) (4) 20. The rapid adoption of battery-powered vehicles (1) (2) (3) (4) 20. The rapid adoption of battery-powered vehicles (1) (2) (3) (4) 20. The rapid adoption of battery-powered vehicles (3) (4) (3) (4) 21. The rapid adoption of battery proved vehicles (3) (4) (3) (4) 	Questions 21-22 are based on the following passage. In the mid-19th century, most of London's human waste was dumped into the Thames River, which ran directly through the city center. When London was struck by a heat wave in 1858, the waste-filled waterway emitted a pestilential odor that came to be dubbed the Great Stink. The stench was so intense in the(A) summer heat that London's public was driven to desperation. Despite the British Parliament being on the banks of the river, the country's leaders had long resisted taking steps to fix London's waste problem. However, even after retreating into their offices and dousing their curtains with lime and carbolic acid, the men could no longer ignore the unhealthy stench. Eventually, the Chancellor of the Exchequer, Benjamin Disraeli, tabled an ambitious bill to solve the problem. After 18 days of debate, the bill was passed, clearing the way for the construction of a sophisticated sewer system. The noted civil engineer Joseph Bazalgette was put in charge of this project. Because London was the world's largest city and the center of a massive trading empire, no cost was spared on the system, which consisted of an elaborate series of tunnels, embankments, and pumping stations. When completed, the system diverted London's human waste into a largely uninhabited stretch of the Thames downstream from London. As a result, London's air quality improved, and incidences of water-borne diseases fell. 21. Which of the following is most appropriate for blank (A)? (1) It treated waste before releasing it into the Thames. (2) It prevented most of London's waste from entering the Thames. (3) It collected pollutants from the most contaminated portion of the Thames.	
	stretch of the Thames.	

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Questions 23-25 are based on the following passage.

Niagara Falls on the border between the United States and Canada is one of the world's mightiest waterfalls. However, on March 30, 1848, the water completely stopped flowing over the falls.

During the previous month, the weather became bitterly cold, and thick ice formed upriver on Lake Erie. Then, in March, a warm spell caused the ice sheet to break up. On March 28 and 29, high winds blew chunks of loose ice across the lake. The current drew these chunks into the mouth of the Niagara River, which feeds Niagara Falls. Eventually, the ice chunks piled up, creating a blockage between the cities of Buffalo and Fort Erie. The waterfall ran dry for around 30 hours.

Since this incident, the "horseshoe" portion of the falls, which lies on the Canadian side of the border, has never ceased flowing. A structure called a boom is now installed on Lake Erie every winter. This structure <u>regulates</u> ice formation and ice flow, ensuring that water continues to flow over the Horseshoe Falls.

The American section of the falls, which receives far less water than the Canadian side, was effectively shut off by the US government in 1969. This disruption lasted from June to November 1969 and was intended to facilitate research on the geology of the falls.

- 23. Which of the following is closest in meaning to the underlined word **regulates**?
 - (1) controls (2) halts
 - (3) advances (4) creates
- 24. Why did American officials stop the US section of Niagara Falls in 1969?
 - (1) To divert water to a different section of the falls
 - (2) To study the effects of reduced water flow on the falls
 - (3) To prevent a large buildup of ice in the Niagara River
 - (4) To assist in the investigation of the rock structure of the falls

- 25. Which of the following is correct according to the passage?
 - (1) The cold spell in 1848 extended throughout March.
 - (2) The Niagara River carried chunks of ice into Lake Erie.
 - (3) The blockage of Niagara Falls in 1848 lasted for less than a day.
 - (4) The horseshoe portion of the falls receives more water than the other portion.

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경기대학교	(일반편입학:자연계)
26. 다음 중 극한값이 존재さ	-지 않는 것은? [2점]
① lim x cos 1	② $\lim_{x \to 0} x \sin \frac{1}{x}$ ③ $\lim_{x \to 0} \frac{1}{x} \cos x$ ④ $\lim_{x \to 0} \frac{1}{x} \sin x$
27. 다음 중 역쌍곡함수 sin	- ⁻¹ x와 같은 함수는? [2점]
① ln(x + √x ² +1)	② ln(x + \sqrt{x^2-1}) ③ ln(-x + \sqrt{x^2+1}) ④ ln(-x + \sqrt{x^2-1})
[2점]	대하여 점 (1,1,1)에서의 접평면과 점 (3,3,-1)에서의 접평면이 이루는 각은? ② cos ^{-1<u>5</u>} ③ cos ^{-1<u>5</u>} ④ cos ^{-1<u>5</u>} 2 √57 ④ cos ^{-1<u>5</u>}
	y ^{2/3} = 1(x ≥ 0, y ≥ 0)을 x 축으로 회전시켜 얻은 곡면의 넓이는? [2점] ② 4/5 π ③ π ④ 5/5 π

		년도 편입학 필기시 일반편입학:자연계				
30. 급수 $\sum_{n=0}^{\infty} \frac{1}{(2n)!}$ 의 값은? ① $\frac{e-e^{-1}}{2}$		(3) $e - e^{-1}$	(4) $e + e^{-1}$			
 31. 벡터공간 V의 부분집합 A = {v₁, v₂,, v_n}에 대한 설명 중 옳지 않은 것은? [2점] ① A가 일차종속이면 v₁은 v₂, v₃,, v_n의 일차결합이다. ② n > dim(V)이면 A는 일차종속이다. ③ A의 원소의 모든 일차결합의 집합은 V의 부분공간이다. ④ A가 일차독립이면 dim(V) ≥ n이다. 						
32. 실 정사각행렬 <i>A</i> , <i>B</i> 에 ① 1	대하여 det(ABA)=9, de ② -1	et(BAB)= -3일 때, det(③ 2	(A)+det(B)의 값은? [2점] ④ -2			
33. 다음 <보기> 중 행렬 $\begin{pmatrix} 1 & 1 & 1 \\ 1 & 2 & 3 \\ 3 & 2 & 1 \end{pmatrix}$ 과 행동치인 것을 모두 고르면? [2점]						
7. $\begin{pmatrix} -1 - 1 - 1 \\ -1 - 2 - 3 \\ -3 - 2 - 1 \end{pmatrix}$	나. $\begin{pmatrix} 1 & 1 & 1 \\ 3 & 2 & 1 \\ 1 & 2 & 3 \end{pmatrix}$	$\Box \cdot \begin{bmatrix} 1 & 1 & 1 \\ 4 & 4 & 4 \\ 3 & 2 & 1 \end{bmatrix}$	라. $\begin{pmatrix} 0 & 0 & 0 \\ 1 & 2 & 3 \\ 3 & 2 & 1 \end{pmatrix}$			
(-3-2-1)			④ 가, 나, 다, 라			

2022학년도 편입학 필기시험(A형) KGU 경기대학교 (일 반 편 입 학 : 자 연 계) 34. 벡터공간 V의 각 원소 v ∈ V에 대하여 사상 f: V→V를 아래와 같이 정의할 때 선형사상이 아닌 것은? [2점] ① f(v) = 0 (단, 0은 V의 영벡터) (2) f(v) = 2v③ f(v) = v + w (단, w ∈ V는 주어진 영이 아닌 벡터) (4) f(v) = -v35. 정사각행렬 A가 어떤 자연수 n에 대하여 $A^n = 0$ 을 만족할 때, $\sum_{k=0}^{n-1} A^k$ 의 역행렬은? (단, A^0 은 단위행렬 I로 정의한다.) [2점] (1) I+A2 I-A $(\overline{3}) - I + A$ (4) -I - A36. 주기가 c > 0인 미분가능한 주기함수 $f: \mathbb{R} \to \mathbb{R}$ 에 대하여 다음 <보기>에서 항상 참인 것을 모두 고르면? [3점] <보기> -----가. f(a)가 폐구간 [0,c]에서 f의 최댓값이어도 $f'(a) \neq 0$ 일 수 있다. 나. f(b)가 f의 극솟값이면 f(b)는 개구간 $\left(b - \frac{c}{2}, b + \frac{c}{2}\right)$ 에서 f의 최솟값이다. 다. *f*'(*x*) = 0인 *x*가 폐구간 [0,*c*]에 2개 이상 존재한다. ② 다 ③ 가. 다 ④ 가, 나, 다 ① 가. 나 37. 정의역 x > 1에서 정의된 함수 $f(x) = \lim_{n \to \infty} \sum_{k=1}^{n} \frac{x-2}{n} ln \left(2 + \frac{x-2}{n}k\right)$ 의 역함수를 g라고 할 때, g'(0)의 값은? [3점] $(4) - \frac{1}{\ln 2}$ (3) $\frac{1}{\ln 2}$ ① ln 2 $(2) - \ln 2$

κσΰ	경기대학교		도 편입학 필기시험 반편입학:자연계)	(A형)		
\iint	38. 극좌표로 주어진 곡선 $r=3+2\sin\theta$ 의 내부와 $r=2$ 의 외부에 놓여 있는 영역을 D라 할 때, 이중적분 $\iint_{D} \frac{1}{\sqrt{x^{2}+y^{2}}} dx dy$ 의 값은? [3점]					
1	$\frac{4}{3}\pi$	(2) $\frac{4}{3}\pi + \frac{\sqrt{3}}{2}$	$ (3) \frac{4}{3}\pi + \sqrt{3} $	$(4)\frac{4}{3}\pi + 2\sqrt{3}$		
	39. 삼엽장미곡선의 매개변수함수 $v(\theta) = (\cos 3\theta \cos \theta, \cos 3\theta \sin \theta) (0 \le \theta \le \pi)$ 에 대하여 $v(\theta) \cdot v'(\theta) = 0$ 를 만족하는 곡선 위의 점의 개수는? (단, ·은 내적기호이다.) [3점]					
1	3	② 4	3 5	④ 6		
<보. フ し	 40. 멱급수 ∑_{n=0}[∞] a_nxⁿ의 수렴반지름이 R>0일 때 f(x) = ∑_{n=0}[∞] a_nxⁿ로 정의되는 함수 f에 대하여 다음 <보기>에서 항상 참인 것을 모두 고르면? [3점] <보기> 가. f는 개구간 (-R,R)에서 미분가능하다. 나. 이상적분 ∫^R_{-R} f(x)dx가 존재한다. 다. a_n > 0이면 좌극한 lim f(x)이 존재한다. 					
	가, 다	② 나, 다	③ 가, 나	④ 가		
41. 행렬 ①	$\begin{pmatrix} 0 & 1 & 0 \\ 6 & 7 & 8 & 9 \end{pmatrix}$	차원은? [3점] ② 2	3 3	④ 4		

2022학년도 편입학 필기시험(A형) (일반편입학:자연계)

42. 다음 중 내적공간 (V, \cdot) 의 부분공간이 아닐 수 있는 것은? [3점] ① 0이 V의 영벡터일 때, 집합 {0} ② $S \subset V$ 일 때, 집합 $\{v \in V \mid \Xi \in w \in S$ 에 대하여 $v \cdot w = 0$ } ③ $S \subset V$ 일 때, 집합 $\{av_1 + bv_2 \mid a, b \in \Delta$ 칼라, $v_1, v_2 \in S$ } ④ V의 부분공간 $V_n (n = 1, 2, ...)$ 에 대하여 집합 $\bigcap_{n=1}^{\infty} V_n$ 43. 다음과 같이 정의된 행렬 $A = \begin{pmatrix} \cos \frac{\pi}{4} & \sin \frac{\pi}{4} \\ -\sin \frac{\pi}{4} & \cos \frac{\pi}{4} \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \begin{pmatrix} \cos \frac{\pi}{4} & -\sin \frac{\pi}{4} \\ \sin \frac{\pi}{4} & \cos \frac{\pi}{4} \end{pmatrix}$ 의 고유벡터는? [3점] ① $\begin{pmatrix} 1 \\ -1 \end{pmatrix}$ ② $\begin{pmatrix} 1 \\ 0 \end{pmatrix}$ ③ $\begin{pmatrix} 2 \\ 1 \end{pmatrix}$ ④ $\begin{pmatrix} 0 \\ -1 \end{pmatrix}$

44. 실 직교행렬 A에 대한 설명 중 옳지 않은 것은? [3점]
① A^TA = I 이다. (단, I는 단위행렬)
② A의 실 고윳값이 적어도 하나 존재한다.
③ det(A)는 1 또는 -1이다.
④ λ가 A의 실 고윳값이면 λ는 1 또는 -1이다.

45. n×n 실 대칭행렬 A에 대한 다음 명제 중 거짓은? [3점]

① A는 서로 다른 n개의 고윳값을 갖는다.

② A의 서로 다른 고윳값에 대응하는 고유벡터들은 서로 수직이다.

③ A는 항상 대각화 가능하다.

④ 모든 $n \times 1$ 실 벡터 v와 w에 대하여 $Av \cdot w = v \cdot Aw$ 이다. (단, · 은 내적기호이다.)

일 반 편 입 학 : 자 연 계 (A형)

정답	(A형)
 문항	정답
01	3
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