

平成 28 年度

(義肢装具学科) 入学試験問題

英 語

試 験 時 間 9 : 3 0 ~ 1 0 : 3 0

(注意)

- 1 係員の指示があるまで、問題用紙及び解答用紙に触れないで下さい。
- 2 問題は2 頁～11 頁に印刷されています。
- 3 解答用紙に氏名、受験番号及び受験科目名を記入して下さい。
- 4 解答方法は次のとおりです。
例 [1] 埼玉県の県庁所在地として、正しいのはどれか。
① 前橋市 ② 甲府市 ③ さいたま市 ④ 横浜市 ⑤ 千葉市
[1] の正答は「③ さいたま市」ですから解答用紙の解答番号 1 の横に並んでいるマーク欄の中の「③」を鉛筆またはシャープペンシルで「●」のように塗りつぶして下さい。
- 5 机の上には鉛筆、シャープペンシル、消しゴム、時計（計算機能のついていないものに限る）、受験票以外は置かないで下さい。
- 6 受験票は番号札の手前に置いて下さい。
- 7 マスクを着用している者は、試験官が本人を確認する間、マスクを外して下さい。
- 8 ハンカチ、ティッシュペーパーを使用する者は、静かに挙手をして、係員の指示に従って下さい。
- 9 試験中に気分が悪くなったり、トイレへ行きたくなった者は静かに挙手をして、係員の指示に従って下さい。
- 10 試験問題に関する質問は一切受け付けません。
- 11 途中で退室する者は、解答用紙を机の上に置き、静かに挙手をして、係員の指示に従って退出して下さい。ただし、試験開始後 30 分間及び試験終了前 10 分間の退出は認められません。
- 12 試験終了後、試験問題は持ち帰って結構です。

第1問 次の文章を読んで、以下の各問いに答えよ。(なお、本文中の*印の語(句)は、(注)を参照すること)

The earth we inhabit, seen in universal terms, is a small *celestial body. The solar system itself is said to have been formed about 9 billion years after the big bang; that is, approximately 4.6 billion years ago. One theory holds that a star that was a (1)forerunner to the sun became a *supernova and exploded, its *remnants becoming the sun and planets. (2) that minute material found in various gas clouds drifting in the universe came together under the force of gravity and created celestial bodies, resulting in the beginnings of the solar system.

A supernova is a massive explosion that occurs at the end of the life of a *fixed star. Supernovas undergo expansion in this final period. Most fixed stars burn hydrogen and shine due to nuclear fusion. However, the hydrogen is *depleted as it continues to burn, and the gravity at the star's core is diminished. As a result, the released energy becomes greater than the star's gravity, and the star begins to expand.

(3) a fixed star expands to a certain point, released energy *supersedes the pull of gravity, and the star suddenly *contracts toward the star's core. The explosion that occurs under the intense pressure of this massive *collision of forces is the supernova.

Approximately 5 billion years from now, the sun will also go through the same process and meet its end as a fixed star. About 5 billion years ago, an immense explosion occurred, releasing gas that eventually formed new celestial bodies; this is the logic behind the formation of the solar system via a supernova.

In any case, whether it was the explosion of a supernova or the *accretion of *interstellar material in gas clouds, the clouds are thought to have contained hydrogen and helium. In the early solar system, these gases must have whirled around in a spiral.

(4)

The relationship of the sun and the planets, and the planets and their satellites, was formed in this manner.

(5). It was formed as various celestial bodies circling the sun collided again and again. This mass of material attracted gases that eventually formed an atmosphere. The early earth seems to have been a by-product of the formation of the sun.

Yet the sun was a strict parent, and the subsequent *tribulations of the earth were truly *stupendous. In time a planetary body of equivalent size collided with the earth. The impact of that collision stripped the earth of its crust, *liquefying it in a *maelstrom of intense heat. Then, as the earth gradually cooled, it became one well-defined celestial body. This collision is referred to as the Giant Impact.

Thus, through collision and accretion, the earth grew in size, and due to its increased gravity, (6)for more became atmosphere it difficult the to escape into space.

On the other hand, the fragments of the earth that had been ejected into space by the Giant Impact were pulled together again by gravity to form another celestial body. That body then fell under the influence of the earth's gravity and began circling the earth. Most scientists see this (7). Of course, there are a number of unanswered questions concerning this theory.

(西海コエン著 マイケル・ブレース訳『The History of the Earth 地球の歴史』より)

(注)

celestial body 天体 supernova 超新星 remnants 残骸
fixed star 恒星 deplete 激減する、使い尽くす
supersede 取って代わる contract 縮小する collision 衝突
accretion 堆積、拡大 interstellar 惑星間の tribulation 苦難
stupendous 驚くべき liquefy 溶かす maelstrom 大渦巻き、混沌

問1 下線部(1)に最も近い意味の語を①～④から1つ選び、記号で答えよ。

1

- ① pioneer
- ② idol
- ③ mentor
- ④ psychic

問2 空所（ 2 ）に入る適切な文を①～④から1つ選び、記号で答えよ。

2

- ① The other remnant shows
- ② The other star is showing
- ③ Another theory proposes
- ④ The main system proves

問3 空所（ 3 ）に入る適切な語を①～④から1つ選び、記号で答えよ。

3

- ① Which
- ② How
- ③ What
- ④ When

問4 空所（ 4 ）には、次の①～④の文を正しく並び替えたものが入る。正しく並び替えたとき、2番目に入る文を選び、記号で答えよ。

4

- ① Through a repeated process of collision and fusion, large masses were formed.
- ② The mass which accumulated the most material became the center, and the smaller objects circled around it.
- ③ The strong gravity of these masses attracted other large masses, giving rise to enormous collisions.
- ④ Eventually, celestial bodies around the sun began to be drawn together through gravity and collide with one another.

問5 空所（ 5 ）に入る適切な語句を①～④から1つ選び、記号で答えよ。

5

- ① The sun was out of control
- ② The moon was another planet
- ③ The sun was no exception
- ④ The earth was no exception

問6 下線部(6)の語句を正しく並び替えたものを①～④から1つ選び、記号で答えよ。

6

- ① the atmosphere became more difficult for it
- ② the more atmosphere became difficult for it
- ③ it became more difficult for the atmosphere
- ④ the more difficult for atmosphere became it

問7 空所（ 7 ）に入る適切な語句を①～④から1つ選び、記号で答えよ。

7

- ① because they analyzed the atmosphere
- ② as how the moon was formed
- ③ while the earth's gravity was increased
- ④ as to the moon circling the earth

問8 本文の内容に合うように、次の英文 A~D の空所に最も適切なものをそれぞれ①~④の中から1つ選び、記号で答えよ。 ~

A According to this passage, the solar system is said to ().

- ① have been influenced after the Giant Impact
- ② have been found about 9 billion years before the Giant Impact
- ③ have been shaped about 9 billion years after the big bang
- ④ have been estimated about 4.6 billion years since the big bang occurred

B According to this passage, a supernova is a massive explosion that ().

- ① happens at the beginning of the life of celestial body
- ② happens at the final state of a fixed star
- ③ happens when the released energy becomes smaller than the star's gravity
- ④ happens when most fixed stars burn hydrogen

C According to this passage, the early earth seems to have been a by-product ().

- ① when the big bang occurred
- ② when supernova underwent expansion
- ③ when gases whirled around in a spiral
- ④ when the structure of the sun was shaped

D According to this passage, the earth became one celestial body and grew in size ().

- ① through recurring crash and accumulation
- ② through cooling process of the planets
- ③ through only the process of explosion
- ④ through the gas clouds drifting in the universe

第2問 次のA～Cの各問いに答えよ。

A 次の英文の空所に入れるのに最も適切な語を、それぞれ①～④のうちから1つずつ選び、記号で答えよ。 12 ~ 16

問1 () a little more money, I could buy it now. 12

- ① But
- ② Without
- ③ With
- ④ Within

問2 () comes here can participate in this program. 13

- ① Whoever
- ② Whatever
- ③ Wherever
- ④ Whenever

問3 You should go to see a doctor, no matter () busy you are. 14

- ① if
- ② so
- ③ how
- ④ where

問4 My sister is very interested in the () fashions, but I am not at all. 15

- ① lately
- ② now
- ③ latest
- ④ soon

問5 () of the results presented at the international conference were studied by Japanese researchers. 16

- ① One
- ② Some
- ③ Theirs
- ④ They

B 次の英文の空所に入れるのに最も適切なものを、それぞれ①～④のうちから1つずつ選び、記号で答えよ。 ～

問1 () you spot an error, please let me know.

- ① As well as
- ② In addition to
- ③ As soon as
- ④ In regard to

問2 May needs to change her job () she can take care of her children.

- ① apart from
- ② so that
- ③ because of
- ④ even if

問3 He has () five kilograms.

- ① put on at least
- ② put across at least
- ③ put up with at most
- ④ put aside at most

問4 His mother is () intelligent.

- ① kinder than
- ② much kinder than
- ③ much kind than
- ④ more kind than

問5 She () till late at night.

- ① was used to be sitting up
- ② was used to sit up
- ③ used to sit up
- ④ used to sitting up

C 次の英文の意味に合致する英単語を、それぞれ①～④のうちから1つ選べ。

22 ~ 26

問1 The art or practice of shaping figures or designs in the round or in relief, as by carving wood, chiseling marble, modeling clay, or casting in metal.

22

- ① artist
- ② artisan
- ③ sculpture
- ④ woodcut

問2 Something that is taught, especially what is taught as the beliefs or principles of a church, political party or group of scientist.

23

- ① enigma
- ② doctrine
- ③ cardinal
- ④ maxim

問3 The person who is the most responsible for the prefectural administration.

24

- ① minister
- ② mayor
- ③ viscount
- ④ governor

問4 An idle, often ill-natured, talk about the affairs of other people.

25

- ① comment
- ② joke
- ③ discourse
- ④ gossip

問5 An official agreement, having the force of law, between two or more people or groups.

26

- ① contract
- ② summit
- ③ talks
- ④ protocol

第3問 次の対話の空所に入れるのに最も適切なものを、それぞれ①～④のうちから1つずつ選び、記号で答えよ。 ～

問1

A : Hi, Beth! I thought you had gone cycling with Jane and the others.

B : This cold of mine prevented me from going. I wish I hadn't gone swimming in the rain the other day.

A : () I hope you get over your cold soon.

B : Thank you.

- ① I'm afraid you have gone swimming.
- ② I'm glad you were not there.
- ③ I'm sorry we couldn't go swimming.
- ④ I'm sorry to hear you couldn't go.

問2

A : Could I borrow these two books on US history?

B : Certainly. They are very good.

A : I don't have enough time to read them here, so can I take them out?

B : All right. ()

- ① You cannot keep them now.
- ② You can keep them for two weeks.
- ③ You will be able to read them here.
- ④ You won't be able to read them until tomorrow.

問 3 29

A : I think I have a cold. I feel all hot and cold.

B : Your temperature is a little high. How's your throat? Is your nose running?

A : Everything is fine, but I have a headache.

B : () Keep yourself warm for one or two days.

- ① All right. Here is your eye lotion.
- ② All right. Here is another shot for you.
- ③ All right. I'll give you a prescription.
- ④ All right. Your throat is very red.

問 4 30

A : I'm sorry to have kept you waiting.

B : Oh, that's all right. We just got here.

A : The traffic this morning was awfully heavy. And my bus seemed to run into every red light. In any case, () I'm sorry.

B : There is no need to apologize, really.

- ① I should have made an earlier start.
- ② I shall make an earlier start.
- ③ I should not make an earlier start.
- ④ I want to make an earlier start.

問 5 31

A : May I see your passport and immigration card?

B : ()

A : What's the purpose of your visit?

B : I'm here for sightseeing.

- ① Yes, they are here.
- ② Yes, here is.
- ③ Yes, here you are.
- ④ Yes, here we go.

義肢装具学科 英語 正答・配点

問題番号		正答	問題番号		正答
第1問	1	1	第3問	27	4
(50点)	2	3	(15点)	28	2
	3	4		29	3
	4	1		30	1
	5	4		31	3
	6	3			
	7	2			
	8	3			
	9	2			
	10	4			
	11	1			
第2問	12	3			
(35点)	13	1			
	14	3			
	15	3			
	16	2			
	17	3			
	18	2			
	19	1			
	20	4			
	21	3			
	22	3			
	23	2			
	24	4			
	25	4			
	26	1			