

I

問1 雪は、肉を保存するのに、塩と同じくらい有効かもしれないという仮説。

問2 多くの実証的研究によって、寒いと風邪をひくという民衆の知恵は間違っていて、温度は風邪に影響を与えないと示されてきた一方、最近の研究で、ウィルスに対する免疫力は低温では弱まるので、低温だと風邪をひきやすくなったり、風邪が悪化しやすくなったりすると示されたような、相反する例。

問3 実証的研究は私たちに確かな知識ではなく、不確かさをもたらすということ。

問4 私たちが正しいと思っていることは、絶えず検証にさらされるもので、その結果、そういう検証に耐えた真理はいっそう確実なものとなる。

問5 (1) (ウ) (2) (イ) (3) (ア) (4) (エ)

II

問1 単なるモノの消費や使用よりも、情報やサービスを重視するポスト工業化時代へとわれわれは向かっているという考え。

問2 (イ)→(ア)→(エ)→(ウ)

問3 (ウ)

問4 例えば、インターネットに接続可能な照明のスイッチにより、家主はスマートフォンを用いて点灯と消灯の時刻を設定し、それを同じスマートフォンから手動で操作することもできるだけでなく、そのスイッチは、家中の照明の電力使用量を分析するソフトウェアに接続し、最適な使い方を推奨することによって、お金を節約することもできる。

問5 (イ), (エ), (キ)

## III

1) ① a ② c ③ b ④ d

2) (a)

Three reasons why Bradley might want to join the equestrian club are as follows: firstly, he is guaranteed to socialize more by making many new friends. Secondly, the senpai-kōhai system allows him to get valuable guidance from his seniors, so he could pass it on to his juniors. Finally, he found that students who joined a club achieved higher marks than non-members. (62 words)

(b)

Bradley would not like to join the equestrian club because the senpai-kōhai system in Japanese clubs generates peer pressure which is sometimes severe. Also, there is no university governing body who looks closely into power-harassment problems like hazing. Finally, he is a little afraid of horses, and cannot imagine himself riding one. (52 words)

## IV

(A) Whether it is the arts such as fine art and music or entertainment, any “culture” is based on such a genuine desire as to fully explore the unknown world nobody has set foot in.

This genuine desire to conquer the unknown territory no one has explored is the foundation of any “culture,” from the arts such as fine art and music to entertainment.

(B) A group of people called scientists are those who enjoy trying to overcome such boundaries of intelligence. Not only the achievements but also the process of breaking through the boundaries itself belongs to “culture.” It makes no sense to draw a line between useful and useless “culture.”

A group of people called scientists are those who feel pleasure in struggling to go beyond the limit of their intelligence. “Culture” means not only the accomplishments but also the process itself of their efforts to go beyond the limit of their knowledge. It is meaningless to argue whether some “culture” is useful or not.