

34. The relentless pursuit of objectivity in the empirical sciences often operates on the tacit assumption that the human observer can be entirely subtracted from the observational equation. By relying on increasingly sophisticated instrumentation, researchers seek to bypass the idiosyncratic biases of biological cognition, aiming to capture the universe in its pristine, unmediated state. However, this methodological ideal neglects the fundamentally theory-laden nature of the instruments themselves. A particle accelerator or an electron microscope is not a neutral window into reality; it is the physical instantiation of a specific theoretical framework, designed to ask questions dictated by preexisting paradigms. Consequently, the data extracted through such apparatuses are already pre-structured by the very human cognitive schemas the scientists sought to escape. In this sense, the ultimate realization of a fully automated, observer-independent scientific methodology does not yield a pure reflection of the cosmos, but rather, it _____.

[3점]

- ① unconditionally guarantees the convergence of empirical data and transcendent truth
- ② definitively severs the epistemological link between the observer and the observed
- ③ inadvertently reveals the raw, unstructured essence of the physical universe
- ④ merely echoes the theoretical confines engineered by its human creators
- ⑤ accelerates the paradigm shift towards a fluid understanding of natural laws

34. The contemporary drive to digitize human expertise relies on the premise that all intuitive mastery can be accurately translated into explicit, formal protocols. Organizations invest heavily in extracting knowledge from their seasoned professionals, attempting to convert elusive, context-dependent judgments into standardized procedural manuals. The underlying assumption is that genuine expertise is nothing more than a complex algorithm waiting to be decoded. However, this rigorous pursuit of codification fails to account for the irreducible nature of tacit knowledge. Much of what constitutes true competence resides in an unspoken realm of bodily sensation and instantaneous pattern recognition that resists being captured by rigid linguistic or mathematical symbols. When we force these highly nuanced human capabilities into strictly deterministic frameworks, we inevitably strip away the very adaptability that made the expertise valuable in the first place. Therefore, the ultimate consequence of completely formalizing human intuition is not the perfect preservation of mastery, but rather, it _____ . [3점]

* tacit: 암묵적인

- ① paradoxically reduces a dynamic cognitive process into a lifeless surrogate
- ② spontaneously triggers the evolution of a more flexible, adaptive artificial intelligence
- ③ unintentionally restores the original, unarticulated essence of the practitioner's skill
- ④ merely emphasizes the superiority of explicit knowledge over subjective experience
- ⑤ ultimately bridges the gap between theoretical algorithms and unpredictable real-world variables

34. The foundational dogma of early analytic philosophy rested on the seductive premise of atomistic reference: the idea that linguistic terms function as rigid, isolated hooks directly grasping discrete physical facts. Under this paradigm, truth was conceived as a mere structural isomorphism—a perfect one-to-one mapping between a sentence and a state of affairs, stripped of subjective ambiguity. However, this strictly referential scaffolding crumbles when subjected to the reality of semantic holism. As subsequent investigations into the architecture of meaning have illuminated, individual propositions do not face the tribunal of objective experience in isolation, but only as a corporate, interdependent web. The semantic weight of a concept is entirely contingent upon its position within this broader network of human practices and prior theoretical commitments. Therefore, if an analyst attempts to uncover the pure, unadulterated meaning of a term by excising it from the rich linguistic ecosystem in which it operates, the ultimate result is not the revelation of its absolute essence. Rather, such an abstraction _____ . [3점]

* isomorphism: 동형성 ** tribunal: 법정

- ① inevitably condemns the linguistic token to a state of semantic paralysis, incapable of any meaningful articulation
- ② inadvertently solidifies the boundary between subjective interpretation and objective states of affairs
- ③ paradoxically endows the isolated term with a universal applicability across all theoretical frameworks
- ④ merely reaffirms the necessity of reducing complex propositions into their atomic perceptual data
- ⑤ successfully bypasses the epistemological constraints imposed by our collective web of belief

34. The classical formulation of Hubble's law long provided a comforting epistemological anchor for cosmologists, establishing a seemingly inexorable linear proportionality between a galaxy's recessional velocity and its proper distance. Under this isotropic paradigm, the universe was assumed to be undergoing a steady, gravitationally retarded expansion, a model that neatly aligned with the aesthetically pleasing constraints of early relativistic cosmology. However, the subsequent empirical revelation derived from high-redshift Type Ia supernovae shattered this foundational premise. Scrutiny of these standard candles illuminated a baffling divergence from the predicted cosmic deceleration, compelling astronomers to confront the unsettling reality that the universe's expansion is, in fact, being actively propelled outward by an esoteric repulsive force, tentatively termed 'dark energy'. Therefore, the naive extrapolation of a constant Hubble parameter across deep time is no longer a viable heuristic; rather, clinging to the expectation of a uniformly decelerating cosmos _____ . [3점]

* isotropic: 등방성 ** heuristic: 경험적 지침, 휴리스틱

- ① leaves the prevailing theoretical framework fundamentally blind to the universe's objectively accelerating trajectory
- ② operates on the delusion that the newly confronted repulsive force can be geometrically reconciled with early relativistic constraints
- ③ restricts the profound implications of standard candles to the narrowly defined boundaries of steady expansion
- ④ conflates the empirical evidence of cosmic deceleration with the theoretically proposed dark energy
- ⑤ necessitates a structural modification of Hubble's law to validate the ongoing existence of the isotropic paradigm