

一、選擇題 (每題 3 分, 48%) ※ 注意：請於試卷內之「選擇題作答區」依序作答。

1. What is the major climate change between the 14th and the 19th centuries? (A) Younger Dryas (B) Medieval warm period (C) Little ice age (D) Holocene optimum
2. About the description of shorelines, which is not true? (A) future shoreline will not shift if without human influence (B) Holocene shoreline shift due to glacial rebound (C) Holocene shoreline shift due to local tectonics (D) Holocene shoreline shift due to accumulation of sediments.
3. (1) Miocene (2) Pleistocene (3) Oligocene (4) Eocene (5) Pliocene, choose the correct order from old to young (A) 43152; (B) 34512; (C) 34125; (D) 41352.
4. As climate became (A) wetter (B) drier (C) cold (D) warm during Miocene., rats, mice, and songbirds underwent major evolutionary radiation and grass expanded.
5. Himalaya began to rise up during (A) Miocene; (B) Eocene (C) Pleistocene (D) Holocene, and thereafter.
6. What happened to the deep sea at the end of the Paleocene Epoch (A) Oxygen and Carbon isotope toward lighter value (B) turn to colder condition (C) Oxygen and Carbon isotope toward heavier value (D) none of the above.
7. How did the terrestrial flora change during the Cretaceous Period? (A) angiosperms diversified (B) gymnosperm appeared (C) herb appeared (D) ferns disappeared.
8. Which is not true about the description of ocean during mid-Cretaceous time (A) became warmer (B) latitudinal temperature gradients were steep (C) stratified (D) deep and mid-depth waters were depleted of oxygen.
9. How did coal beds that formed in Carboniferous swamps come to form part of depositional cycles (A) tectonic uplift and subsiding (B) transgression-regression (C) due to diastems (D) none of these.
10. About the description of Late Permian Period which is not true? (A) in warm and dry conditions (B) Pangea existed (C) with glacial extension (D) approaching mass extinctions at the end of Permian.
11. During Proterozoic which is not true (A) no skeletal fossils (B) plate tectonics existed already (C) glaciations occurred (D) large scale igneous events occurred.
12. The range of trilobite spreads (A) Cambrian (B) early Paleozoic (C) Paleozoic (D) none of the above.
13. The largest mass extinction in percentage of genera of marine animals occurred at (A) Late Cretaceous (B) Late Devonian (C) Late Triassic (D) Late Permian.
14. Burial of forest during Carboniferous time caused (A) a decline in the concentration of atmosphere CO₂ (B) an increase in the concentration of atmosphere CO₂ (C) no clear effect (D) warming in atmosphere.
15. Cenozoic Era began from (A) 251 Ma (B) 65.5Ma (C) 2.5 Ma (D) 542 Ma
16. (A) Quaternary strata (B) Miocene strata (C) Paleocene strata (D) Mesozoic strata underlie most of the coastal plain of Taiwan.

問答題 (52%)

1. 說明從三疊紀(Triassic Period)到侏羅紀(Jurassic Period)主要的海陸古地理變化。(12%)
2. 說明太平洋環礁(Atoll)的成因及其與板塊運動的關係。(15%)
3. 何謂岡瓦那古陸(Gondwanaland)? 有何地質證據支持其存在?(列舉三項)。(15%)
4. 除了放射性定年法之外, 如何推斷地層的年代?(列舉三項)(10%)。

試題隨卷繳回