

中國文化大學 101 學年度暑假轉學招生考試

系組：地理學系二年級

日期節次：7 月 24 日第 1 節 09:00-10:20

科目：地學通論及實習

U-3-4

一、請依據各題說明，以中文寫出專業名詞(每題 3 分)

1. a process in which heat does not enter or leave a system
2. the maximum size of population of a single species that a certain habitat can support
3. spatial gradient where abiotic and biotic factors vary
4. true shape of the Earth, which deviates from a perfect sphere because of a slight bulge at the equator
5. a region in the atmosphere above 50 kilometers from the surface where relatively large concentrations of ions and free electrons exist
6. a very rapid type of down-slope mass movement that involving mudflows from volcanic ash
7. the point in the Earth's orbit when it is closest to the Sun (147.5 million km)
8. a strong relatively narrow current of water that flows seaward against breaking waves
9. the level of magnitude of a system process at which sudden or rapid change occurs
10. The soil water content at which the water uptake by the roots is less than the rate of water leaving a plant's leaves. At this point the plant will fail to recover its turgidity.
11. a regular pattern of 'boom and bust' upturns and downturns in economic demand and output repeating every 5-7 years
12. a movement of people, government functions or employment opportunities out from an established central area to a relatively peripheral one
13. the warm air found around and above an urban area, distinct from the air temperature above the surrounding rural land
14. a line graph that portrays the (un)evenness of a geographical distribution
15. a measure of how clustered or evenly spaced a distribution of points on a plane is
16. an approach to environmental management which advocates careful balance between development and protection of the environment
17. the improvement of urban areas which have been in decline
18. the idea that all settlements influence the area surrounding them in the provision of goods and services – the sphere of influence
19. in human geography, those people who settle in a location beyond the boundaries of an urban area into which they tried to settle but could not find appropriate residences
20. the size of a settlement is inversely proportional to its rank i.e. the second largest city is half the size of the largest

二、問答題(每題 20 分)

1. 繪圖並說明地球的圈層構造。
2. 繪圖並說明 the von Thünen model。