

國立嘉義大學 99 學年度
獸醫學系碩士班招生考試試題

科目：專業英文

一、Grammar : (40 points ; 4 points each)

Please identify the one underlined word or phrase that MUST be changed in order for the sentence to be grammatically correct, and then write your answers on the answer sheet.

1. Some large viruses contains no structural elements that conform to helical or icosahedral symmetry.
A B C D
2. Primary cells, like alveolar macrophages collected from the lung, is highly permissive for many animal viruses.
A B C D
3. It focuses on the role of CSFV proteins in the pathogenicity, immunogenic and transmission of CSFV attenuated vaccine strains in pigs.
A B C D
4. Malnutrition increases susceptibility to infection because the physical barriers to infection, as well as the immune response, is compromised.
A B C D
5. Successful vaccines comprising live attenuated viruses are effective for at least three reasons: limited viral replication occurs, progeny virions are often contained at the site of replication, and the infection inducing mild or inapparent disease.
A B C D
6. The competence of the immune response also determines how quick and efficiently the infection is resolved, and the severity of symptoms.
A B C D
7. In a herd chronical infected with one of the above diseases, the means of implementing control measures should be reviewed to determine if failure to adequately carry out preventive programs has allowed disease to occur.
A B C D
8. The option to exploit CF mouse models for answer these questions is exciting in the light of the growing notion that defective serous gland function is a primary manifestation of CF lung disease.
A B C D

9. The intellectual satisfaction of discovering and understanding new principles is as rewarding as the practical consequences of provide solutions to problems of disease.
A B C D
10. However, understanding of the etiology of respiratory diseases and the transmission route of the pathogens involved is of crucial important for implementation of successful reduction and eradication programs.
A B C D

二、Please translate the following paragraphs from English to Chinese.

(30 points ; 15 points each)

1. Bovine spongiform encephalopathy (BSE), commonly known as mad-cow disease (MCD), is a fatal, neurodegenerative disease in cattle, that causes a spongy degeneration in the brain and spinal cord. BSE has a long incubation period, about 4 years, usually affecting adult cattle at a peak age onset of four to five years, all breeds being equally susceptible. In the United Kingdom, the country worst affected, more than 179,000 cattle have been infected and 4.4 million slaughtered during the eradication programme. A British inquiry into BSE concluded that the epidemic was caused by cattle, who are normally herbivores, being fed the remains of other cattle in the form of meat and bone meal (MBM), which caused the infectious agent to spread.
2. Influenza A virus subtype H5N1, also known as "bird flu", A(H5N1) or simply H5N1, is a subtype of the Influenza A virus which can cause illness in humans and many other animal species. A bird-adapted strain of H5N1, called HPAI A(H5N1) for "highly pathogenic avian influenza virus of type A of subtype H5N1", is the causative agent of H5N1 flu, commonly known as "avian influenza" or "bird flu". It is enzootic in many bird populations, especially in Southeast Asia. One strain of HPAI A(H5N1) is spreading globally after first appearing in Asia. It is epizootic (an epidemic in nonhumans) and panzootic (affecting animals of many species, especially over a wide area), killing tens of millions of birds and spurring the culling of hundreds of millions of others to stem its spread. Most references to "bird flu" and H5N1 in the popular media refer to this strain.

三、Please translate the following paragraphs from Chinese to English.

(30 points ; 10 points each)

1. 本實驗藉由反轉錄巢式聚合酶鏈鎖反應，針對臨床疑似冠狀病毒感染病例進行檢測。
2. 本研究針對台灣北部 16 場乳牛場進行乳牛所生產生乳及牧場環境等分離細菌進行抗生素感受性試驗。
3. 豬環狀病毒在 1995 年以前並無報告顯示可引起豬隻任何疾病。