

國立彰化師範大學 97 學年度碩士班招生考試試題

系所： 車輛科技研究所碩士班

科目： 工程英文

☆☆請在答案紙上作答☆☆

共 1 頁，第 1 頁

1. Please select appropriate answers from those terms on the right. (18%)

- | | |
|-------------------------|---------|
| (1) () Clutch | A. 點火 |
| (2) () Transmission | B. 柴油引擎 |
| (3) () Ignition | C. 變速箱 |
| (4) () Crankshaft | D. 曲軸 |
| (5) () Gasoline engine | E. 離合器 |
| (6) () Diesel engine | F. 汽油引擎 |

2. Please translate the following paragraph into Chinese (20%)

All ABS systems control tire slip by monitoring the relative deceleration rates of the wheels during braking. Wheel speed is monitored by one or more wheel speed sensors. If one wheel starts to slow at a faster rate than the others, or at a faster rate than that which is programmed in the antilock control module, it indicates a wheel is starting to slip and is in danger of losing traction and locking. The ABS responds by momentarily reducing hydraulic pressure to the brake on the affected wheel or wheels. This allows the wheel to speed up momentarily so it can regain traction. As traction is regained, brake pressure is reapplied to again slow the wheel. The cycle is repeated over and over until the vehicle stops or until the driver eases pressure on the brake pedal.

3. The parts of the sentences below have been mixed up. Join the 6 parts on the left with the correct parts from the 9 on the right. (18%)

(1) () There is acid in that bottle: therefore ...	A. the road was icy.
(2) () The effect of the fluctuation in temperature ...	B. he was unsuccessful.
(3) () Bad labor relations caused ...	C. prolonged illness.
(4) () The accident occurred because of ...	D. it must be handled very carefully.
(5) () He passed his examination because ...	E. careful storage.
(6) () Delayed treatment often results in ...	F. the icy road conditions.
	G. the strike.
	H. he worked hard.
	I. was to kill the laboratory specimens.

4. Please use English to describe the differences between gasoline and diesel engines? (14%)

5. Please write a brief English description for the following questions. (30%)

(1) Introduce yourself.

(2) What is your motivation to study in the Institute of Vehicle Engineering, National Changhua University of Education?