
UNIVERSITI SAINS MALAYSIA

Peperiksaan Semester Pertama
Sidang Akademik 2004/2005

Oktober 2004

PLG 536 – Sains, Teknologi dan Pendidikan
(Science, Technology and Education)

Masa : 3 jam
[Time: 3 hours]

Sila pastikan bahawa kertas peperiksaan ini mengandungi TIGA muka surat yang bercetak sebelum anda memulakan peperiksaan.

(Please check that this examination paper consists of THREE pages of printed material before you begin your examination)

ARAHAN :

Jawab **DUA (2)** soalan sahaja. Anda dibenarkan menjawab sama ada dalam bahasa Melayu atau bahasa Inggeris.

INSTRUCTIONS:

Answer **TWO (2)** questions only. You may answer the questions either in Malay or English.

1. Berasaskan bacaan daripada kursus ini, tulis satu esei bertajuk ' **KERJA ahli sains**' untuk kumpulan ibu-bapa pelajar-pelajar sekolah anda. Esei ini akan di terbitkan dalam majalah sekolah anda. Di akhir esei anda, terangkan objektif-objektif yang anda harap dapat dicapai oleh ibu-bapa melalui esei ini.
(100 markah)

2. Budaya (kepercayaan, nilai dan amalan masyarakat) tidak mempengaruhi pengajaran-pembelajaran sains di sekolah menengah di Malaysia. Bincangkan
(100 markah)

3. Pada pendapat A. Pacey (1983) orang ramai selalu keliru antara teknologi dan sains, dan amalan teknologi tidak difahami dengan sepenuhnya. Terangkan pendapat beliau. Banding beza makna teknologi dengan sains.
(100 markah)

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TRANSLATION

1. Based on the readings from this course, write an essay titled '**The work of the scientist**', for the parents of the students in your school. This essay is to be published in the school magazine. At the end of your essay, explain the objectives you hope to achieve with the parents through this essay.

(100 marks)

2. Culture (beliefs, values and practices of the society) does not influence teaching-learning of science in Malaysian secondary schools. Discuss.

(100 marks)

3. A. Pacey (1983) thinks that the general public often confuse science with technology and that the practice of technology is not well understood. Explain what he means. Compare and contrast the meaning of technology and science.

(100 marks)