



KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI



JABATAN KEJURUTERAAN MEKANIKAL SESI I 2025/2026 (SEPTEMBER 2025)		
BJF30523 – INDUSTRIAL ETHICS		
LECTURER NAME	Ts. MOHD NAZRI BIN MOHD NAZRI Ts. DR. WOO TZE KEONG	
TYPE OF ASSESSMENT	PENTAKSIRAN 3	
TOPIC	LAW AND ACTS GOVERNING THE ENGINEERING PROFESSION	
DURATION	40 MINUTES	
DATE OF ASSESSMENT		
STUDENT'S INFORMATION	BMS 3A / BMS 3B	
	NAME	REGISTRATION NO.
TOTAL MARKS	CLO 1	/100 MARKS

BJF30523 – INDUSTRIAL ETHICS

Test – Introduction to Engineering Ethics

CLO 1	Determine the code of engineering ethics in engineering technologies practice.	PLO 6	SK 1,SK5, SK7 SP 1, SP 3
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Assessment Description

SP	Characteristics	Taxonomy	Task/Question	Mark distribution
SP1	Depth of knowledge required SK3: Engineering fundamentals SK5: Engineering Design	C4		40
SP3	Depth of Analysis Required	C4		10
			Total	50

SHORT ANSWER QUESTIONS

Time Allowed: 40 Minutes

Total Marks: 100 Marks (20 Questions × 5 Marks)

INSTRUCTIONS TO CANDIDATES:

1. Answer ALL questions.
2. Each question carries **FIVE (5)** marks.
3. Write your answers clearly and concisely.

- Q1. Define engineering ethics and explain why it is important in professional engineering practice. (5 marks)
- Q2. Differentiate between a factual issue and a moral issue in engineering ethics. (5 marks)
- Q3. Explain the role of the Board of Engineers Malaysia (BEM) in regulating engineering practice. (5 marks)
- Q4. State **TWO (2)** responsibilities of engineers under the Registration of Engineers Act 1967. (5 marks)
- Q5. Explain the main objective of the Occupational Safety and Health Act 1994 (OSH Act). (5 marks)
- Q6. Describe **TWO (2)** duties of employers under the OSH Act 1994. (5 marks)
- Q7. Explain the role of DOSH in ensuring workplace safety in Malaysia. (5 marks)

- Q8. Identify **TWO (2)** sectors regulated by DOSH and explain why they are considered high-risk. (5 marks)
- Q9. Explain the main function of NIOSH in Malaysia. (5 marks)
- Q10. Differentiate between DOSH and NIOSH in terms of enforcement and training. (5 marks)
- Q11. Explain the role of the Department of Environment (DOE) in environmental protection. (5 marks)
- Q12. State **TWO (2)** objectives of the Environmental Quality Act 1974. (5 marks)
- Q13. Explain what is meant by Environmental Impact Assessment (EIA). (5 marks)
- Q14. Define 'Engineering as a Responsible Experiment'. (5 marks)
- Q15. Explain the meaning of conscientiousness in engineering ethics. (5 marks)
- Q16. Describe the concept of moral autonomy for engineers. (5 marks)
- Q17. Explain why accountability is important in engineering practice. (5 marks)
- Q18. Define a trade union and state its main purpose. (5 marks)
- Q19. State **TWO (2)** reasons why workers join trade unions. (5 marks)
- Q20. Explain the importance of trade unions in improving working conditions. (5 marks)

PREPARED BY:
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