



**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)

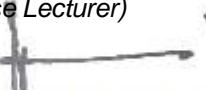
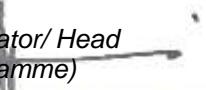
Q16. Describe the concept of moral autonomy for engineers. (5 marks)

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: (Course Lecturer)	CHECKED BY: (Course Coordinator/ Head of Programme)	APPROVED BY: (Head of Programme/ Head of Department)
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