



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II**

SESSION 2021/2022

COURSE NAME : ENVIRONMENTAL MANAGEMENT
COURSE CODE : BPD 33002
PROGRAMME CODE : BPC
EXAMINATION DATE : JULY 2022
DURATION : 2 HOURS
INSTRUCTION : 1. ANSWER ALL QUESTIONS
2. THIS FINAL EXAMINATION
CONDUCTED VIA **CLOSE BOOK**
3. STUDENTS ARE **PROHIBITED** TO
CONSULT THEIR OWN MATERIAL
OR ANY EXTERNAL RESOURCES
DURING THE EXAMINATION
CONDUCTED VIA CLOSE BOOK.

THIS QUESTION PAPER CONSISTS OF **FOUR (4)** PAGES

Q1 KOTA KINABALU: Sabah will see a solution to its waste management issues when certain new laws come into force. State Local Government and Housing Minister Datuk Seri Masidi Manjun said the Solid Waste Management and Public Sanitisation Enactment are under way.

"We will be able to empower local authorities in the enforcement, collection and disposal of solid waste and provide a solution to the state's waste management issues.

"With additional strong support from international governments, Sabah can and will lead the way with Sabah Plastic Neutral for a healthier and more sustainable future at the beginning of the Unesco Ocean Decade," he said during the launch of BluHope's "Water is Life! – Rethinking Plastics Education & Awareness Programme" here last night.

(Source: New Straits Time,2022)

Based on this report:

(a) Discuss **TWO (2)** responsibilities of the Local Authorities in term of waste management according Solid Waste Management and Public Cleansing Act 2007.

(10 marks)

(b) Outline the process to manage solid waste domestic.

(15 marks)

Q2 Environmental ethics is the discipline in philosophy that studies the moral relationship of human beings to, and also the value and moral status of, the environment and its non-human contents.

Outline **FIVE (5)** challenges of environmental ethics to develop a good value and moral ethics with and example.

(25 marks)

TERBUKA

- Q3** Globally, since the United Nations (UN) conference in Rio de Janeiro in 1992, a progressively increasing number of firms have shown interest in voluntary environmental commitments to eliminate or control negative environmental impacts associated with their activities . As such, firms shifted from a relatively reactive approach to more proactive environmental management strategies to protect the environment and public health as well as to satisfy international trade requirements.

The ISO 14000 series of international standards have been developed to integrate environmental aspects into processes and product standards. This includes, but is not limited to, environmental management systems (ISO 14001), auditing guidelines (ISO 14010), labeling (ISO 14020), performance evaluations (ISO 14031), life cycle assessment (ISO 14040), and product standards (ISO 14060). The ISO 14001 standard is considered one of several frameworks that guide a facility to developing an environmental management system (EMS).

(Source: Massoud et. al., 2019)

- (a) Discuss **FIVE (5)** main issues relating to leadership during the ISO 14000 implementation. (10 marks)
- (c) Outline **THREE (3)** challenges faced by the developing countries implementing ISO14000 series. (15 marks)



- Q4** Selangor 6 January 2021: INDAH Water Konsortium (IWK), the national sewerage company has been wrongfully accused of polluting the State of Selangor's water resources.

In a few news reports on November 5, 2020, Indah Water was reported as among the companies found to be polluting water resources in the state. However, the shutdown of the Air Selangor water treatment plant in September 2019 was a result of odour pollution caused by illegal dumping of prohibited waste into the sewerage system.

"Taken out of context, it would seem as though IWK is polluting when in actual fact, IWK is doing its level best to protect and preserve the environment, particularly our water source," Narendran Maniam, Indah Water's Chief Executive Officer added. The incident Narendran referred to occurred in September 2019, when there was an interruption to the flow of wastewater in Indah Water's sewer pipeline because it was damaged by a third-party contractor who was conducting underground utility installation works.

In response to that, Indah Water had to immediately activate a temporary emergency bypass pipe to avoid overflowing.

(Source: Borneo Post, 2022)

As an environmental Auditor of IWK sewage plant, proposed the appropriate the steps to prevent this incident.

(25 marks)

-END OF QUESTIONS -

TERBUKA