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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
(TAKE HOME)
SEMESTER II
SESSION 2019/2020**

COURSE NAME : ENVIRONMENTAL AND OCCUPATIONAL SAFETY
COURSE CODE : BPK 30702
PROGRAMME CODE : BIT
EXAMINATION DATE : JULY 2020
DURATION : 24 HOURS
INSTRUCTION : ANSWERS ALL QUESTIONS
OPEN BOOK EXAMINATION

THIS QUESTION PAPER CONSISTS OF **TWO (2)** PAGES

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TERBUKA

Q1 Your company had implemented an assessment of noise exposure in four production departments. From the assessment, it found out that levels of occupational noise exposure in all department were 28% for 91-140 dBA and 72% for 86-90 dBA; which classified that all workforces were at high risk. Occupational noise-exposed workers were observed to be highest in the engine department followed by crushing department, metal department and die-cast department. The percentage of workers exposed ranged from 13.6% to as high as 68.9% in each department.

You are as the Health and Safety Executive had to brief to the top management the finding from the report. Information needed in your presentation are as follows,

- (a) State the legislation related to noise exposure in Malaysia. (2 marks)
- (b) Illustrate **FOUR (4)** types of sound with elaboration for each type. (16 marks)
- (c) Propose **THREE (3)** control actions to reduce noise based on the three aspects, which are at noise source, noise path and noise receiver (12 marks)
- (d) Elaborate **FOUR (4)** strategies in identifying and assessing hazardous noise at the workplace. (20 marks)

- END OF QUESTIONS -