



**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
(OTHER SUMMATIVE ASSESSMENT)  
SEMESTER II  
SESSION 2019/2020**

**COURSE NAME** : WIRELESS AND MOBILE  
COMMUNICATION

**COURSE CODE** : BEB 41203

**PROGRAMME** : BEJ

**EXAMINATION DATE** : JULY 2020

**DURATION** : 4 WEEKS

**INSTRUCTION** : ANSWER ALL QUESTIONS  
**OPEN BOOK EXAMINATION**

**TERBUKA**

THIS QUESTION PAPER CONSISTS OF TWO (2) PAGES

**FINAL ASSIGNMENT (50 %)**

You must prepare a technical report to critically discuss the advantages and disadvantages of 5G Network compared to 4G LTE Network in terms of the following criteria:

- 1) Bandwidth and spectrum (Spectrum efficiency and spectrum allocation)
- 2) Latency
- 3) Modulation technique – in terms of data rate and throughput
- 4) Propagation modelling
- 5) Multiple Access Technique
- 6) Applications – IoT, Industry 4.0 and Healthcare

Thus, the criteria will be the **main body of the report**.

The report **MUST** consist of structure as following:

- 1) **Abstract** (Not exceeding 200 words)
- 2) **Keywords** (No more than 5 keywords)
- 3) **Introduction**
- 4) **Main body of the report** (as mentioned above)
- 5) **Conclusion/Summary**
- 6) **References and citation** (All the discussion shall be supported with **10-15** outstanding articles/journals (IEEE, MDPI, Elsevier, ScienceDirect, etc.)
- 7) **Follow the format given** (refer to the template)

(I will include together the rubric assessment for your kind of attention)

The report shall not be more than **15 pages** (single column, - refer to the given template)

The report needs to be English proof read and plagiarism must be avoided or else you will be given 0-mark penalty. The lecturer will do the Turnitin process.

**-END OF QUESTIONS-**

**TERBUKA**