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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER II  
SESSION 2018/2019**

COURSE NAME : INFORMATION TECHNOLOGY IN  
EDUCATION  
COURSE CODE : BBD 10803  
PROGRAMME CODE : BBA/BBB/BBC/BBD/BBE/BBF/BBG  
EXAMINATION DATE : JUNE/ JULY 2019  
DURATION : 3 HOURS  
INSTRUCTION : ANSWER ALL QUESTIONS

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

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- Q1** Computing can be used to create and present original teaching content in a rich and varied way
- a) Explain the term “computing” in the digital age (2 marks)
  - b) Describe briefly four (4) skills that can be developed by computing in the digital age (4 marks)
  - c) Discuss in short four (4) reasons why home and business users choose cloud computing services (4 marks)
- Q2**
- a) Discuss which type of computer; laptop, tablet or desktop is best (4 marks)
  - b) Describe about enviromental literacy, flexibility and adaptability skill and information literacy as defined by Partnership for 21st Century Learning (P21) in Framework for 21st Century Learning (6 marks)
- Q3**
- a) Define the term pointer and name objects a pointing device can point (2 marks)
  - b) Explain in brief different types of mouse (3 marks)
  - c) Discuss how a bank uses MICR technology (4 marks)
- Q4**
- a) Explain what is thermal printer (2 marks)
  - b) Describe how resolution affect print quality (4 marks)
  - c) Discuss the relationship between operating systems and computer hardware (2 marks)
  - d) Differentiate internet and World Wide Web (2 marks)

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- Q5** a) Identify four (4) steps which the processor carries out for each machine language instruction  
(4 marks)
- b) Distinguish between volatile and non-volatile memory. List an example of each  
(6 marks)
- Q6** a) Describe when you should use a database software and when to use a spreadsheet software  
(4 marks)
- b) Explain the different between computer-based training, web-based training and massive open online courses  
(6 marks)
- Q7** a) Explain briefly three (3) general functions of network device  
(6 marks)
- b) Describe how the internet works  
(4 marks)
- Q8** a) Computers have become a necessity in the life of students in the 21st century. There are many good things about using computer. However, too much time spent on computer usage will lead to unhealthy life style. Describe briefly four (4) disadvantages of using too much computer in daily life to human body  
(4 marks)
- b) Green computing is one of the main step to make the computing world friendly to the environment.
- i. What is the goal of green computing?  
(2 marks)
- ii. Explain in short four (4) actions we should take in order to support green computing.  
(4 marks)

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- Q9** a) Explain about Software as a Service (SaaS) (2 marks)
- b) Discuss why do some websites allow to use email address as a user name (4 marks)
- c) Describe briefly four (4) ways to safeguard personal information (4 marks)
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- Q10** a) Identify four (4) features of effective online educational tutorials (4 marks)
- b) Describe about drill and practice software (4 marks)
- c) Explain what is assistive technologies software (2 marks)

**-END OF QUESTIONS-**

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