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Universiti Tun Hussein Onn Malaysia

**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
(ONLINE)  
SEMESTER I  
SESSION 2020/2021**

COURSE NAME : SUSTAINABLE CONSTRUCTION  
MANAGEMENT

COURSE CODE : BFC32703

PROGRAMME CODE : BFF

EXAMINATION DATE : JANUARY 2021 / FEBRUARY 2021

DURATION : 3 HOURS

INSTRUCTION : ANSWER ALL QUESTIONS

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

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**Q4** Information and Communication Technology (ICT) is technology that provides access to information through telecommunications. Large amount of project information generated and used during the various stages in project life cycle.

(a) Explain **THREE (3)** importance of Information and Communication Technology (ICT) to construction industry.

(9 marks)

(b) Illustrate the delivery method comparison diagram for Design Bid Build and Design Build in terms of time consumption to complete design, bid and construction process.

(6 marks)

(c) Explain the selection criteria for any construction firm to consider before choosing the most effective project management organizational structure.

(10 marks)

**END OF QUESTIONS –**

**FINAL EXAMINATION**

SEMESTER/SESSION : SEM II / 2020/2021  
 COURSE NAME : SUSTAINABLE CONSTRUCTION  
 MANAGEMENT

PROGRAMME CODE : 3 BFF  
 COURSE CODE : BFC32/03

**TABLE 1**

<b>Job No</b>	<b>Job Description</b>	<b>Immediate Predecessor</b>	<b>Duration (weeks)</b>
0	Purchase site	-	16
1	Plan preparation	0	6
2	Excavation	1	4
3	Foundations	2	3
4	Frame	3	5
5	Electrical wiring	4	2
6	Insulation	4	1
7	Roofing	4	2
8	Ductwork and plumbing	6	4
9	Drywall installation	5,7,8	6
10	Install sliding	7	4
11	Exterior painting	10	3
12	Interior painting	9	4
13	Carpeting	12	2
14	Install interior fixtures	13	7
15	Install exterior fixtures	11	2
16	Handing over	14,15	1

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