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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2016/2017**

COURSE NAME : LAND SURVEY FOR CONSTRUCTION
COURSE CODE : BPD 20203
PROGRAMME CODE : BPC
EXAMINATION DATE : JUNE 2017
DURATION : 3 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

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THIS QUESTION PAPER CONSISTS OF FIVE (5) PAGES

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(ii) Final Bearing (14 marks)

Q4 (a) Based on the data from the attached Fieldwork Form 2 at **Appendix II**, calculate (i), (ii) and (iii) using Fieldwork Form 2 in **Appendix II**.

(i) Latit & Dipat (8 marks)

(ii) Corrected Latit & Dipat (12 marks)

(iii) Calculation of Area (15 marks)

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- END OF QUESTIONS-

APPENDIX I

SEMESTER/SESSION: SEM II/2016/2017
 COURSE NAME : LAND SURVEY
 FOR CONSTRUCTION

PROGRAMME CODE : BPC
 COURSE CODE: BPD 20203

Station	Bearing			Final Bearing
	F.Left	F.Right	Average Bearing	
8	266 54 00	86 55 00		
1				
2	154 26 30	334 26 20		
1	334 26 20	154 26 10		
2				
3	179 08 40	359 08 50		
2	359 07 50	179 08 40		
3				
4	246 08 00	66 09 00		
3	66 09 00	246 08 40		
4				
5	293 08 40	113 07 20		
4	113 08 00	293 08 40		
5				
6	309 37 00	129 37 50		
5	129 36 50	309 37 10		
6				
7	38 03 50	218 03 00		
6	218 03 00	38 02 50		
7				
8	42 12 10	222 11 50		
7	222 11 50	42 12 10		
8				
1	86 55 40	266 56 00		



APPENDIX II

SEMESTER/SESSION: SEM II/2016/2017
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Line	Bearing	Distance	Latit		Dipat					
1										
2	26 10 12	57.348								
3	104 35 02	122.808								
4	195 30 12	144.940								
5	358 18 10	40.843								
6	320 28 40	68.023								
1	292 59 02	66.124								

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OR BUREAU OF SURVEY
NATURAL
RESEARCH
AND
TECHNOLOGY
SERVICES
UNIT