

6165-061 Site Surveying 3 Principles

Examiners' report – **June 2014**



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1 Introduction

The purpose of this document is to provide centres with feedback on the performance of candidates in the **June 2014** examination for 6165-061 Site Surveying 3 Principles.

2 Feedback on candidate performance

General feedback

The following comments are intended to help candidates prepare for the examination by having a better understanding of what is expected of them. The feedback within this report would also be valuable to tutors in understanding candidates' difficulties in answering questions and the areas where more guidance is required.

The June 2014 series question paper was found to be in accordance with the qualification requirements.

Candidates appeared to have no issues with the paper format.

The pass rate has gone down on recent papers. This was largely due mostly to candidates who sat this examination, showed a lack of preparation for the subject and marks were loss because of this. Centre is advice to cover the entire syllabus and ensure candidates are better prepared if they are to take this exam in the future.

Question	Syllabus ref	Examiner comments
1	1.17 1.19	a) Intended as straightforward earthworks design question (similar to previous papers), but results overall were poor. Candidates for the most part lacked the ability to draw to scale which is essential to this question. Centres must spend more time on this important part of the syllabus. Part (e) most candidates mentioned Simpson's Rule but it was Simpson's Rule for Volumes which was required.
2	1.24	This calculation question was one where many candidates picked up good marks. Those who failed to do so were generally unsuccessful in the paper.
3	1.20 1.21	Mass Haul diagram well understood generally, though it was important to explain that the purpose was to compare the economy of various methods of earth distribution.
4	1.29 1.31	This is another calculation question where many candidates performed well and showed a good understanding of tabulation of data for a circular curve. Just about all successful candidates scored well on this question.
5	1.37	a) Generally disappointing answers in that candidates failed to make it clear that G.P.S relies on the timing of radio signals received from satellites. b) Again, another disappointing answer because few candidates pointed out that master receivers are established at known points and that the errors thus indicated are used to correct both the master receivers and the remote receivers close by. It assumes that the remote receivers are using the same satellite as the master receiver. c) Very disappointing. hardly any candidates described the function of an auto plumb instrument, which enables the observer to set up accurately over a ground point while at the same time establish a vertical line of alignment in the floors above. Centre are advised to cover this area in more depth because this type of question comes up every series.

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