



NATIONAL SENIOR CERTIFICATE EXAMINATION  
SUPPLEMENTARY 2014

**MATHEMATICAL LITERACY: PAPER II**  
**ANSWER BOOKLET MARKING GUIDELINES**

Time: 3 hours

150 marks

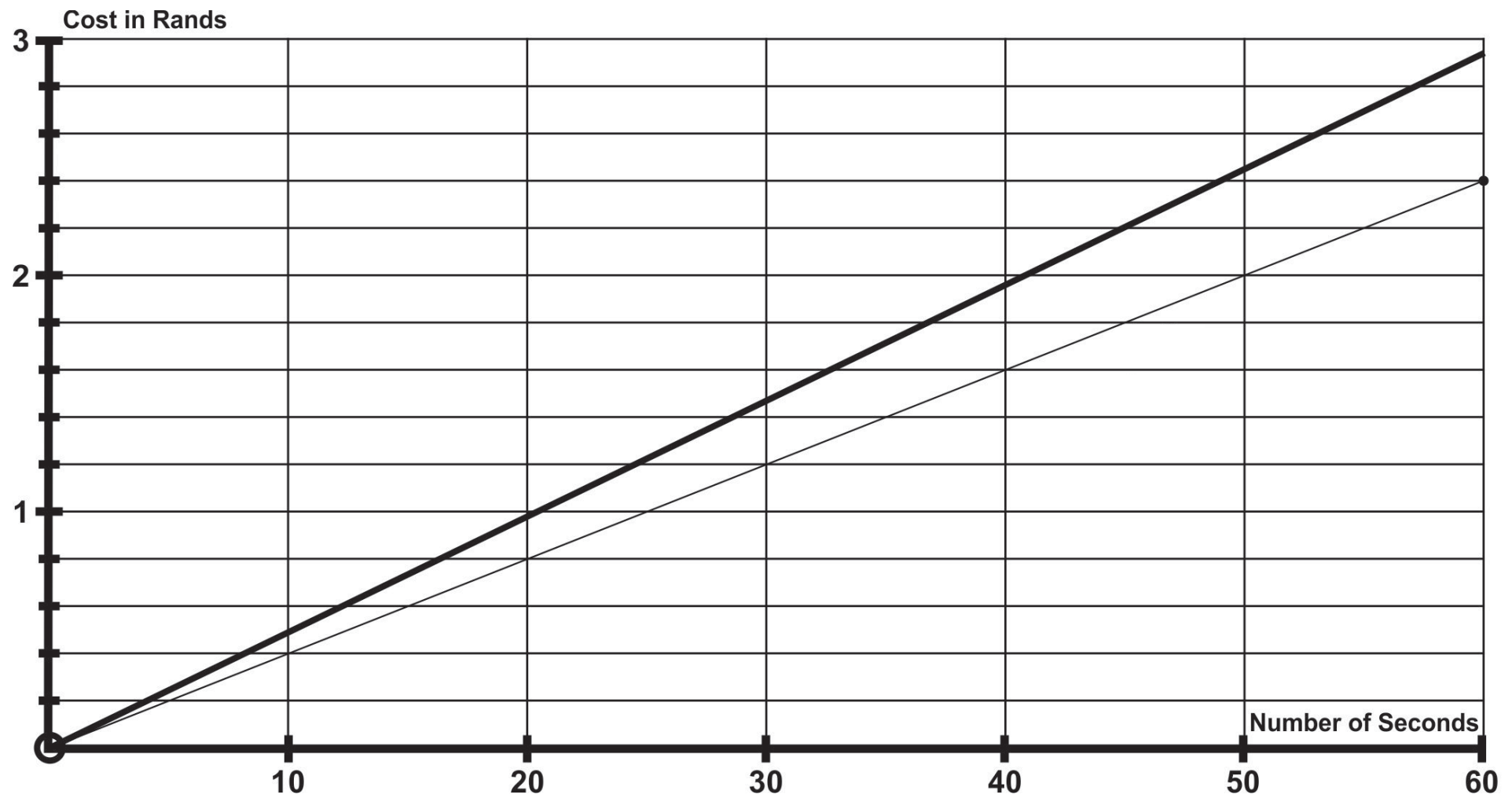
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**QUESTION 1.3**

<b>Calls</b>	<b>From Company A to ...</b>	<b>Peak or Off-Peak</b>	<b>Length of call</b>	<b>Cost per second</b>	<b>Cost of call (in Rands and Cents)</b>	
Call 1	Company A	Peak	56 seconds	(a) 4,5c	(b) R2,52	
Call 2	Another service provider	Off-Peak	1 minute 23 seconds	(c) 4,4c	(d) R3,65	
Call 3	Company A	Off-Peak	(e) 132 sec or 2 min 12 sec	4c	R5,28	
Call 4	(f) Another service provider	Peak	50 seconds	(g) 4,9c	R2,45	
Call 5	Company A	(h) Peak	3 minutes 40 seconds	(i) 4,5c	R9,90	
Calls 6 – 98					R146,90	
					Sub-Total	(j) R170,70
					Free Amount of Airtime	R99,00
					Total Due	(k) R71,70

(14)

**QUESTION 1.4.2**



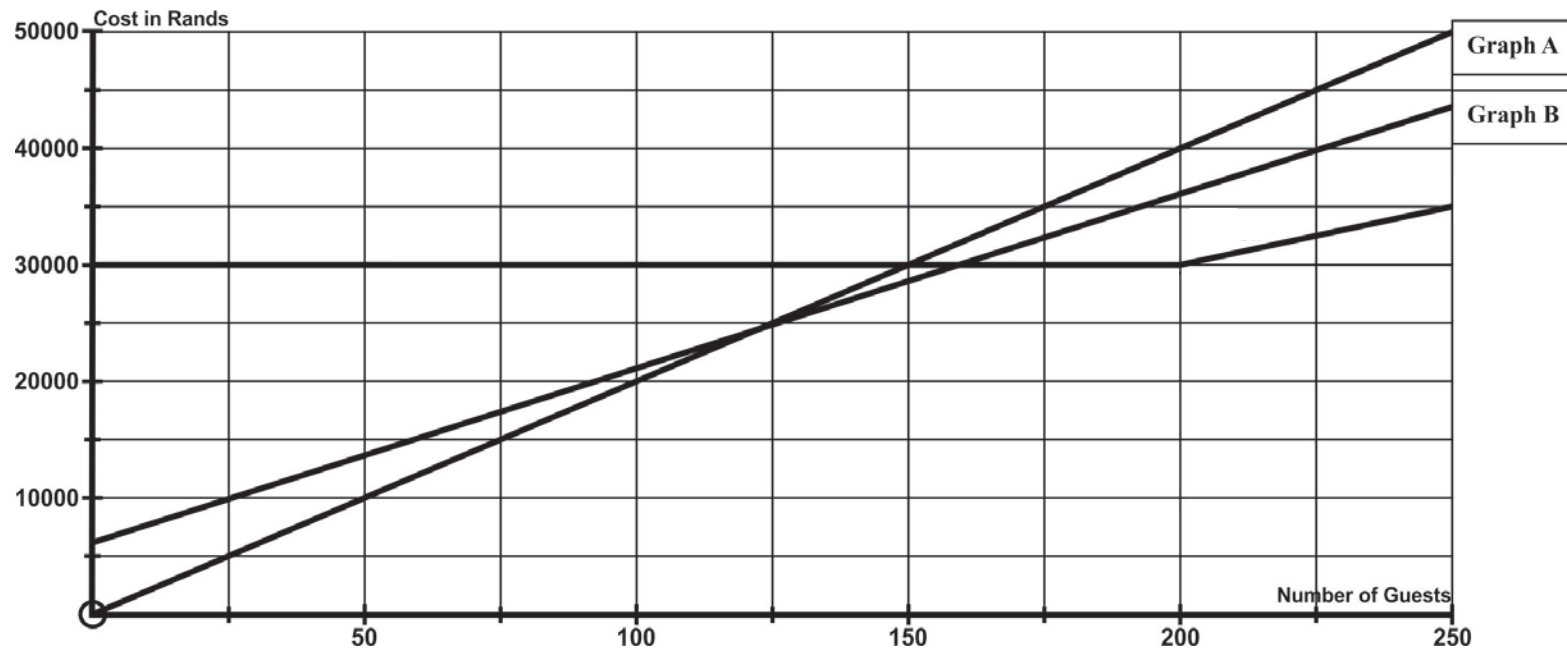
(4)

**QUESTION 4.2**

<b>Date</b>	<b>Location</b>	<b>Number of passengers killed</b>	<b>Number of survivors</b>	<b>Total passengers</b>
30 January	Congo	3	2	5
12 February	Congo	(b) 3	3	6
15 March	Puerto Rico	2	0	2
2 April	Russia	31	12	(f) 43
20 April	Pakistan	(a) 0	127	(c) 127
9 May	Indonesia	45	0	45
2 June	Ghana	0	(d) 16	16
3 June	Nigeria	153	16	169
<b>TOTALS</b>		(g) 237	(e) 176	413

(7)

**QUESTION 5.1.1(a) and QUESTION 5.1.1(c)**



**QUESTION 5.1.1(b)**

Charges involved with package 1.

Number of People	0	50	200	225	250
Cost for Package 1 (in Rands)	R0 <b>OR</b> R30 000	R30 000	R30 000	R32 500	R35 000