

01. 0607\_m23\_ms\_22 Q: 17

Question	Answer	Marks	Partial Marks
	$\frac{20}{27}$ or $\frac{160}{216}$ oe	4	<b>M3</b> for $3 \times \frac{4}{6} \times \frac{4}{6} \times \frac{2}{6} + \frac{4}{6} \times \frac{4}{6} \times \frac{4}{6}$ oe or <b>M2</b> for $\frac{4}{6} \times \frac{4}{6} \times \frac{2}{6}$ or $\frac{4}{6} \times \frac{4}{6} \times \frac{4}{6}$ or <b>M1</b> for $\frac{4}{6}$

02. 0607\_s23\_ms\_22 Q: 8

Question	Answer	Marks	Partial Marks
(a)	0.2 oe	2	<b>M1</b> for $1 - (0.1 + 0.05 + 0.3 + 0.35)$ or <b>B1</b> for 0.8 seen
(b)	1200	1	

03. 0607\_s23\_ms\_23 Q: 4

Question	Answer	Marks	Partial Marks
(a)	0	1	
(b)	0.7 oe	1	

04. 0607\_s23\_ms\_23 Q: 14

Question	Answer	Marks	Partial Marks
	$\frac{441}{1000}$	3	<b>M2</b> for $3 \times \frac{7}{10} \times \frac{7}{10} \times \frac{3}{10}$ oe or <b>M1</b> for $\frac{7}{10} \times \frac{7}{10} \times \frac{3}{10}$ oe

05. 0607\_s22\_ms\_21 Q: 7

Question	Answer	Marks	Partial Marks
(a)	$\frac{2}{10}$ oe	1	
(b)	$\frac{12}{80}$ oe	2	<b>M1</b> for $\frac{3}{10} \times \frac{4}{8}$ only

06. 0607\_s22\_ms\_22 Q: 13

Question	Answer	Marks	Partial Marks																
(a)	<table border="1"> <thead> <tr> <th></th> <th>N</th> <th>not N</th> <th>Total</th> </tr> </thead> <tbody> <tr> <th>M</th> <td>0.3</td> <td>0.1</td> <td></td> </tr> <tr> <th>not M</th> <td></td> <td>0.35</td> <td>0.6</td> </tr> <tr> <th>Total</th> <td></td> <td>0.45</td> <td></td> </tr> </tbody> </table>		N	not N	Total	M	0.3	0.1		not M		0.35	0.6	Total		0.45		2	B1 for at least 2 correct
	N	not N	Total																
M	0.3	0.1																	
not M		0.35	0.6																
Total		0.45																	
(b)	0.1 or $\frac{1}{10}$	1	FT <i>their</i> table																

07. 0607\_s22\_ms\_22 Q: 15

Question	Answer	Marks	Partial Marks
	$\frac{29}{50}$ or $\frac{58}{100}$ or 0.58 oe	4	<p>M3 for <math>\frac{5}{10} \times \frac{5}{10} + \frac{4}{10} \times \frac{6}{10} + \frac{1}{10} \times \frac{9}{10}</math> oe  or M2 for any 2 correct  or M1 for <math>\frac{5}{10} \times \frac{5}{10}</math> or <math>\frac{4}{10} \times \frac{6}{10}</math> or <math>\frac{1}{10} \times \frac{9}{10}</math>  OR  M3 for <math>2 \times \left( \frac{5}{10} \times \frac{4}{10} + \frac{5}{10} \times \frac{1}{10} + \frac{1}{10} \times \frac{4}{10} \right)</math> oe  or M2 for any 2 correct  or M1 for <math>\frac{5}{10} \times \frac{4}{10}</math> or <math>\frac{5}{10} \times \frac{1}{10}</math> or <math>\frac{1}{10} \times \frac{4}{10}</math>  OR  M3 for <math>1 - \frac{5}{10} \times \frac{5}{10} - \frac{4}{10} \times \frac{4}{10} - \frac{1}{10} \times \frac{1}{10}</math>  or M2 for <math>\frac{5}{10} \times \frac{5}{10}</math> and <math>\frac{4}{10} \times \frac{4}{10}</math> and <math>\frac{1}{10} \times \frac{1}{10}</math>  or M1 for <math>\frac{5}{10} \times \frac{5}{10}</math> or <math>\frac{4}{10} \times \frac{4}{10}</math> or <math>\frac{1}{10} \times \frac{1}{10}</math></p>

08. 0607\_w22\_ms\_21 Q: 12

Question	Answer	Marks	Partial Marks
	$\frac{16}{36}$ oe	3	<p>M2 for <math>\frac{1}{3} \times \frac{3}{4} + \frac{1}{3} \times \frac{2}{6} + \frac{1}{3} \times \frac{1}{4}</math>  or M1 for <math>\frac{1}{3} \times \frac{2}{4}</math> or <math>\frac{1}{3} \times \frac{2}{6}</math> or <math>\frac{1}{3} \times \frac{1}{4}</math></p>

09. 0607\_w22\_ms\_22 Q: 5

Question	Answer	Marks	Partial Marks
(a)	$\frac{48}{200}$ oe	1	
(b)	240	1	

10. 0607\_w22\_ms\_23 Q: 5

Question	Answer	Marks	Partial Marks
(a)	$\frac{1}{6}$	1	
(b)	0	1	

11. 0607\_m21\_ms\_22 Q: 7

Question	Answer	Marks	Partial Marks
(a)	Fully correct tree diagram $\begin{array}{cc} & 0.4 \\ 0.7 & 0.6 \\ & 0.4 \end{array}$	2	B1 for either 0.7 or 0.4 in a correct position
(b)	0.28 oe	2	FT <i>their</i> tree diagram M1 for <i>their</i> (0.7) $\times$ <i>their</i> (0.4)

12. 0607\_s21\_ms\_21 Q: 12

Question	Answer	Marks	Partial Marks
(a)	$\frac{5}{33}$ or $\frac{20}{132}$ oe	2	M1 for $\frac{5}{12} \times \frac{4}{11}$
(b)	$\frac{15}{22}$ or $\frac{90}{132}$ oe	3	M2 for $1 - \frac{7}{12} \times \frac{6}{11}$ oe or M1 for $\frac{7}{12} \times \frac{6}{11}$ oe OR M2 for <i>their</i> (a) $+ 2 \times \frac{5}{12} \times \frac{7}{11}$ oe or $\frac{5}{12} + \frac{7}{12} \times \frac{5}{11}$ or M1 for $\frac{5}{12} \times \frac{7}{11}$ oe

13. 0607\_s21\_ms\_23 Q: 10

Question	Answer	Marks	Partial Marks
	$\frac{4}{9}$ or $\frac{16}{36}$ oe	2	M1 for $\frac{4}{6} \times \frac{4}{6}$ oe

14. 0607\_w21\_ms\_21 Q: 7

Question	Answer	Marks	Partial Marks
(a)	$\frac{112}{200}$ oe	1	
(b)(i)	Large sample	1	
(b)(ii)	144	2	M1 for $\frac{18}{200} \times 1600$ oe

15. 0607\_w21\_ms\_23 Q: 5

Question	Answer	Marks	Partial Marks
(a)	80	2	M1 for $(640 - 120 - 280) \div (2 + 1)$
(b)	$\frac{7}{16}$ cao	2	M1 for $\frac{280}{640}$ oe

16. 0607\_w21\_ms\_23 Q: 13

Question	Answer	Marks	Partial Marks
	$\frac{34}{132}$ or $\frac{17}{66}$	3	M2 for $\frac{2}{12} \times \frac{1}{11} + \frac{4}{12} \times \frac{3}{11} + \frac{5}{12} \times \frac{4}{11}$ or M1 for $\frac{2}{12} \times \frac{1}{11}$ or $\frac{4}{12} \times \frac{3}{11}$ or $\frac{5}{12} \times \frac{4}{11}$

17. 0607\_s20\_ms\_22 Q: 4

Question	Answer	Marks	Partial Marks
	56	2	M1 for 32 or 8 seen

18. 0607\_s20\_ms\_23 Q: 6

Question	Answer	Marks	Partial Marks
(a)	$\frac{63}{150}$ oe	1	
(b)	Large sample oe	1	
(c)	1260	2	<b>M1</b> for <i>their</i> $\frac{63}{150} \times 3000$ oe

19. 0607\_w20\_ms\_22 Q: 9

Question	Answer	Marks	Partial Marks
(a)	$\frac{23}{200}$ or 0.115	1	
(b)	Large sample oe	1	
(c)	138	1	

20. 0607\_s19\_ms\_23 Q: 9

Question	Answer	Marks	Partial Marks
	0.09 oe	2	<b>M1</b> for $0.3 \times 0.3$ oe

21. 0607\_w19\_ms\_21 Q: 4

Question	Answer	Marks	Partial Marks
	63	1	

22. 0607\_w19\_ms\_22 Q: 15

Question	Answer	Marks	Partial Marks
	$\frac{54}{125}$ oe	3	<b>M2</b> for $3 \times \left(\frac{3}{5}\right)^2 \times \frac{2}{5}$ oe or <b>M1</b> for $\left(\frac{3}{5}\right)^2 \times \frac{2}{5}$

23. 0607\_w19\_ms\_23 Q: 8

Question	Answer	Marks	Partial Marks
(a)	$\frac{40}{200}$ oe	1	
(b)	Large sample oe	1	
(c)	360	1	FT for <i>their</i> (a) $\times 1800$

24. 0607\_s18\_ms\_22 Q: 3

Question	Answer	Marks	Partial Marks
	0.3 oe	1	

25. 0607\_s18\_ms\_22 Q: 16

Question	Answer	Marks	Partial Marks
	[0].064	3	M2 for $0.4^3$ or M1 for $0.4$ soi  If 0 scored SC1 for answer 0.216

26. 0607\_s18\_ms\_23 Q: 11

Question	Answer	Marks	Partial Marks
(a)	$\frac{50}{350}$ oe	1	
(b)	Large sample oe	1	
(c)	200	1	

27. 0607\_w18\_ms\_21 Q: 3

Question	Answer	Marks	Partial Marks
	$\frac{1}{5}$	2	M1 for $\frac{3}{15}$

28. 0607\_w18\_ms\_21 Q: 16

Question	Answer	Marks	Partial Marks
	$\frac{40}{72}$ oe $\left(\frac{5}{9}\right)$	3	M2 for $\frac{4}{9} \times \frac{5}{8} \times 2$ oe or M1 for $\frac{4}{9} \times \frac{5}{8}$ oe

29. 0607\_s17\_ms\_21 Q: 14

Question	Answer	Marks	Part Marks
	$\frac{8}{15}$ final answer	4	<b>B3</b> for $\frac{48}{90}$ oe or <b>M2</b> for $\frac{3}{10} \times \frac{2}{9} + \frac{7}{10} \times \frac{6}{9}$ or <b>M1</b> for $\frac{3}{10} \times \frac{2}{9}$ or $\frac{7}{10} \times \frac{6}{9}$

30. 0607\_w17\_ms\_23 Q: 16

Question	Answer	Marks	Partial Marks
	0.225 oe	3	<b>M2</b> for $0.3 \times 0.4 + 0.7 \times 0.15$ oe or <b>M1</b> for $0.3 \times 0.4$ or $0.7 \times 0.15$



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