

Chemistry (Revised) Higher 2012

Section A

Number of persons in test : 240
Average test score : 21.04
Average facility value : 70.13
Reliability : 0.73

						% Ch	oosin	g opt	ion
Item	кеу	Content Area	Ability	Fac	Disc	A	В	C	D
1	С	PPP 1 (e)	KU	90	16	4	1	90*	5
2	В	PPP 1 (b)	KU	78	33	8	78*	3	12
3	В	PPP 1 (b)	KU	90	24	. 2	90*	6	3
4	С	PPP 1 (d)	KU	76	32	2	5	76*	17
5	D	PPP 1 (f)	KU	36	32	14	10	40	36*
6	D	PPP 2 (e)	KU	83	27	4	12	2	83*
7	С	PPP 2 (f)	KU	60	28	15	11	60*	14
8	С	PPP 3 (b)	KU	57	21	10	25	57*	7
9	D	PPP 3 (d)	KU	43	9	3	49	5	43*
10	A	CC 1 (a)	KU	79	19	79*	5	5	10
11	B	CC 3 (d)	Skills	78	38	10	78*	4	8
12	D	CC 4 (a)	KU	84	24	10	5	1	84*
13	\mathbb{B}	CC 4 (b)	KU	83	10	5	83*	2	9
14	С	CC 5 (c)	KU	96	10	1	3	96*	0
15	В	CC 5 (d)	Skills	78	31	10	78*	7	5
16	A	CC 6 (a)	Skills	55	32	55*	22	18	4
17	В	CC 7 (b)	KU	98	25	2	98*	0	0
18	D	CC 7 (b)	KU	92	35	5	1	2	92*
19	Α	CC 9 (b)	KU	75	13	75*	7	8	9
20	Α	PtoP 1 (b)	Skills	58	38	58*	18	16	8
21	В	PtoP 1 (d)	KU	69	1	19	69*	10	2
22	D	PtoP 1 (e)	KU	82	26	2	14	3	82*
23	С	PtoP 1 (g)	Skills	58	30	23	3	58*	15
24	В	PtoP 2 (b)	KU	78	25	5	78*	10	8
25	D	PtoP 2 (c)	KU	78	42	8	2	12	78*
26	A	PtoP 3 (a)	Skills	36	38	36*	37	10	15
27	A	PtoP 3 (b)	Skills	49	30	49*	8	30	10
28	D	PtoP 3 (d)	KU	54	45	18	5	23	54*
29	A	PtoP 4 (a)	KU	23	-13	23*	72	3	2
30	С	RC	Skills	88	20	5	4	88*	2



Chemistry (Revised) Higher 2013

Section A

Number of persons in test: 649
Average test score: 22.33
Average facility value: 74.44
Reliability: 0.81

Item	Кеу	Content Area	Abilities	Fac	Disc	 1	A A	choosin	g Optio C	on D
1	В	PPP 1(d)	KU	88	31	!	6	88*	4	2
2	D	PPP 1(b)	KU	76	43		9	5	10	76*
3	C	PPP 1(c)	KU	71	32	ļ	7	11	71*	10
4	C	PPP 1(e)	KU	49	37	ļ	6	37	49*	8
5	D	PPP 2(b)	KU	76	29	ŀ	3	11	9	76*
6	D -	PPP 2(e)	KU	58	35	1	13	2	27	58*
7	A	PPP 3(a)	KU	84	30	1	84*	2	14	1
8	С	CC 1(a)	KU	85	34	Į	5	7	85*	3
9	D	CC 2(a)	KU	87	38	I	6	3	4	87*
10	В	CC 3(a)	KU	84	29	I	1	84*	11	3
11	А	CC 3(b)	KU	86	32	i	86*	6	6	2
12	С	CC 4(b)	KU	91	28	ŀ	0	1	91*	8
13	D	CC 5(d)	KU	65	44	1	7	21	5	65*
14	C	CC 6(a)	KU	80	38	- 1	5	6	80*	9
15	Α	CC 6(b)	KU	93	29	1	93*	2	2	4
16	С	CC 7(a)	KU	76	43	1	11	7	76*	5
17	В	CC 7(b)	KU	70	43	- 1	6	70*	17	6
18	С	CC 8(a)	KU	61	28	- 1	10	13	61*	16
19	В	CC 9(b)	KU	88	23	- 1	9	88*	2	1
20	Α	PtoP 1(b)	KU	58	39	1	58*	14	16	10
21	Α	PtoP 1(b)	KU	76	24	ĺ	76*	14	. 8	2
22	D	PtoP 1(d)	KU	91	25	1	5	2	3	91*
23	C	PtoP 1(e)	KU	67	38	i	19	6	67*	8
24	В	PtoP 1(f)	KU	53	25	ĺ	15	53*	12	20
25	A	PtoP 2(a)	KU	68	29	i	68*	6	9	17
26	В	PtoP 2(b)	KU	57	30	ĺ	33	57*	8	2
27	A	PtoP 3(b)	KU	77	46	i	77*	15	4	4
28	A	PtoP 3(c)	KU	78	31	i	78*	8	8	6
29	В	RC	Skills	53	9	1	0	53*	36	11
30	D	RC	Skills	85	19	i	4	2	9	85*



Chemistry (Revised) Higher 2014

Section A

Number of persons in test: 703
Average test score: 19.16
Average facility value: 63.85
Reliability: 0.78

Item	Key	Content Area	Ability	Fac	Disc		% Cl A	noosir B	ng Opt C	ion D
1	В	PPP 1 c	KU	75	23		 I 6	75*	8	11
2	С	PPP 1 c / 2 b / 2 e	KU	90	27		1	4	90*	5
3	A	PPP 1 f	KU	67	19		67*	6	7	20
4	В	PPP 2 b	KU	35	20	i	45	35*	9	12
5	A	PPP 1 e	KU	87	34	i	87*	2	3	8
6	A	PPP 2 f	KU	67	47	i	67*	13	14	6
7	D	PPP 3 a	KU	64	27	i	12	11	13	64*
8	A	PPP 3 a	KU	46	30	i	46*	19	16	18
9	В	CC 3 a	KU	84	35	i	4	84*	6	6
10	C	CC 3 c	KU	59	19	i	36	2	59*	3
11	D	CC 4a/7b	KU	73	35	i	13	5	9	73*
12	В	CC 7 a	KU	84	36	i	6	84*	3	6
13	C	CC 6 b	KU	65	20	ì	3	20	65*	10
14	D	CC 6 a	KU	62	32	i	10	6	22	62*
15	D	CC 7 b	KU	74	44	í	5	1	20	74*
16	В	CC 8 b	KU	84	30	i	3	84*	10	3
17	D	CC 8 c	KU	32	15	i	12	13	43	32*
18	В	CC 9 b	KU	76	20	i	19	76*	4	2
19	В	PP 1 b	KU	58	39	i	8	58*	16	18
20	A	PP 1 d	KU	68	17	i	68*	11	16	5
21	С	PP 1 d	KU	59	30	i	9	12	59*	20
22	A	PP 2 a	KU	59	22	i	59*	28	8	5
23	A	PP 2 c	KU	38	37	i	38*	$\frac{-14}{14}$	32	16
24	C	PP 2 d	Skills	68	35	i	10	15	68*	7
25	C	PP 3 a	KU	50	42	i	14	27	50*	8
26	С	PP 3 b	KU	90	22	i	4	3	90*	3
27	В	PP 3 c	KU	67	31	ì	4	67 *	14	15
28	D	PP 4 a	KU	39	31	!	38	8	15	39*
29	D	RC	Skills	48	11	1	6	39	7	48*
30	C	RC	Skills	48	38		25	10	48*	16

30	29	28	27	26	25	24	23	22	21	20	19	<u>1</u> 8	17	16	15	14	цω	12	11	10	9	80	7	Q	ហ	4	ω	2	ш	Label	Item
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00	28*	80	76*	11	21	8 4 *	œ	Q	23	44	00	92*	ω	81*	N	21	N	ნ3 *	10	ω	10	N	11	19	12	* 8 8	Н	տ	4	F 120	D D
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46*	Н	16	ហ	54*	19	4	2	73*	ഗ	11	N	4	22	<u>ர</u>	ω	72*	7	2	<u>ш</u>	60*	4	96*	39	14	ഗ്ര	4	ហ	42	* 06	ם ח	value
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0 1 1 0.46 4	0 1 0.28 2	2 1 0.67 6	0 1 0.76 7	3 1 0.54 5	4 1 0.33 3	1 1 0.84 8	0 1 0.88 8	1 1 0.73 7	0 1 0.6	0 1 0.80 8	0 1 0.80 8	0 1 1 0.92 9	0 1 0.64 6	2 1 0.81 8	0 1 0.92 9	1 1 0.72 7	0 1 0.89 8	0 1 0.63 6	0 1 0.77 7	3 1 0.60 €	5 1 0.33 3	0 1 0.96 9	2 1 0,25 2	2 1 0.46 4	0 1 0.78 7	1 1 0.86 8	0 1 1 0.91 9	0 1 0.85 8	1 1 0.90 9	O/D sing Max Mea	
0 1 0.46 46 0.5	0 1 0.28 28 0.4	2 1 0.67 67 0.4	0 1 0.76 76 0.4	3 1 0.54 54 0.5	4 1 0.33 33 0.4	1 1 0.84 84 0.3	0 1 0.88 88 0.3	1 1 0.73 73 0.4	0 1 0.69 69 0	0 1 0.80 80 0.4	0 1 0.80 80 0.4	0 1 1 0.92 92 0.2	0 1 0.64 64 0.4	2 1 0.81 81 0.3	0 1 0.92 92 0.2	1 1 0.72 72 0.4	0 1 0.89 89 0.3	0 1 0.63 63 0.4	0 1 0.77 77 0.4	3 1 0.60 60 0.4	5 1 0.33 33 0.4	0 1 0.96 96 0.2	2 1 0.25 25 0.4	2 1 0.46 46 0.5	0 1 0.78 78 0.4	1 1 0.86 86 0.3	0 1 0.91 91 0.2	0 1 0.85 85 0.3	1 1 0.90 90 0.3	O/D sing Max Mean P So	Mis-{ Weig
0 1 0.46 46 0.50 0.5	0 1 0.28 28 0.45 0.4	2 1 0.67 67 0.47 0.4	0 1 0.76 76 0.43 0.4	3 1 0.54 54 0.50 0.5	4 1 0.33 33 0.47 0.4	1 1 0.84 84 0.36 0.3	0 1 0.88 88 0.32 0.3	1 1 0.73 73 0.44 0.4	0 1 0.69 69 0.4	0 1 0.80 80 0.40 0.4	0 1 0.80 80 0.40 0.4	0 1 0.92 92 0.27 0.2	0 1 0.64 64 0.48 0.4	2 1 0.81 81 0.39 0.3	0 1 0.92 92 0.27 0.2	1 1 0.72 72 0.45 0.4	0 1 0.89 89 0.32 0.3	0 1 0.63 63 0.48 0.4	0 1 0.77 77 0.42 0.4	3 1 0.60 60 0.49 0.4	5 1 0.33 33 0.47 0.4	0 1 0.96 96 0.20 0.2	2 1 0.25 25 0.43 0.4	2 1 0.46 46 0.50 0.5	0 1 0.78 78 0.42 0.4	1 1 0.86 86 0.35 0.3	0 1 0.91 91 0.29 0.2	0 1 0.85 85 0.36 0.3	1 1 0.90 90 0.31 0.3	O/D sing Max Mean P So	Mis-{ Weighte
0 1 0.46 46 0.50 0.50 3	0 1 0.28 28 0.45 0.45 2	2 1 0.67 67 0.47 0.47 4	0 1 0.76 76 0.43 0.43 3	3 1 0.54 54 0.50 0.50 2	4 1 0.33 33 0.47 0.47 3	1 1 0.84 84 0.36 0.36 4	0 1 0.88 88 0.32 0.32 2	1 1 0.73 73 0.44 0.44 4	0 1 0.69 69 0.46 0.46	0 1 0.80 80 0.40 0.40 4	0 1 0.80 80 0.40 0.40 3	0 1 0.92 92 0.27 0.27 3	0 1 0.64 64 0.48 0.48 3	2 1 0.81 81 0.39 0.39 3	0 1 0.92 92 0.27 0.27 2	1 1 0.72 72 0.45 0.45 4	0 1 0.89 89 0.32 0.32 3	0 1 0.63 63 0.48 0.48 3	0 1 0.77 77 0.42 0.42 4	3 1 0.60 60 0.49 0.49 2	5 1 0.33 33 0.47 0.47 4	0 1 0.96 96 0.20 0.20 1	2 1 0.25 25 0.43 0.43 3	2 1 0.46 46 0.50 0.50 4	0 1 0.78 78 0.42 0.42 3	1 1 0.86 86 0.35 0.35 3	0 1 0.91 91 0.29 0.29 1	0 1 0.85 85 0.36 0.36 3	1 1 0.90 90 0.31 0.31 2	O/D sing Max Mean P Sd RS	Mis-{ Weighte
0 1 0.46 46 0.50 0.50 3	0 1 0.28 28 0.45 0.45 26 1	2 1 0.67 67 0.47 0.47 46 3	0 1 0.76 76 0.43 0.43 36 2	3 1 0.54 54 0.50 0.50 29 1	4 1 0.33 33 0.47 0.47 37 2	1 1 0.84 84 0.36 0.36 45 3	0 1 0.88 88 0.32 0.32 28 2	1 1 0.73 73 0.44 0.44 44 3	0 1 0.69 69 0.46 0.46 43 3	0 1 0.80 80 0.40 0.40 45 3	0 1 0.80 80 0.40 0.40 38 3	0 1 0.92 92 0.27 0.27 31 2	0 1 0.64 64 0.48 0.48 36 2	2 1 0.81 81 0.39 0.39 39 3	0 1 0.92 92 0.27 0.27 29 2	1 1 0.72 72 0.45 0.45 44 3	0 1 0.89 89 0.32 0.32 37 3	0 1 0.63 63 0.48 0.48 36 2	0 1 0.77 77 0.42 0.42 44 3	3 1 0.60 60 0.49 0.49 25 1	5 1 0.33 33 0.47 0.47 40 3	0 1 0.96 96 0.20 0.20 14	2 1 0.25 25 0.43 0.43 35 2	2 1 0.46 46 0.50 0.50 42 3	0 1 0.78 78 0.42 0.42 31 2	1 1 0.86 86 0.35 0.35 32 2	0 1 0.91 91 0.29 0.29 15	0 1 0.85 85 0.36 0.36 36 2	1 1 0.90 90 0.31 0.31 24 1	O/D sing Max Mean P Sd RSK Ri	Mis-{ Weighte