Section A: Unaudited accounts in respect of academic activities

The scope and basis of preparation differ from the University's financial statements for 2018-19 in that these unaudited accounts exclude the income and expenditure, assets and liabilities of Cambridge Assessment (the Local Examinations Syndicate and its subsidiary undertakings) and of Cambridge University Press, and also exclude from consolidation the associated Trusts. In order to distinguish these accounts from the University's financial statements they are referred to as unaudited accounts in respect of academic activities.

The unaudited accounts have been prepared following the same accounting policies as the audited financial statements for the year ended 31 July 2019. Investment income includes the full value of distributions from the Cambridge University Endowment Fund.

The Academic Group accounts included below reflect the consolidated position of the Academic University together with the 24 subsidiary undertakings listed against "Academic" in Section B.

UNAUDITED STATEMENTS OF COMPREHENSIVE INCOME IN RESPECT OF ACADEMIC ACTIVITIES FOR THE YEAR ENDED 31 JULY 2019

	Note	Academic Group Year ended 31 July 2019 £m	Academic Group Year ended 31 July 2018 £m	Academic University Year ended 31 July 2019 £m	Academic University Year ended 31 July 2018 £m
Income					
Tuition fees and education contracts	i	320.2	295.1	306.1	283.0
Funding body grants	ii	181.9	173.6	181.9	173.6
Research grants and contracts	iii	592.4	524.9	582.9	515.5
Donations and endowments	iv	101.1	55.1	119.6	62.7
Other income	v	187.1	185.9	182.6	174.0
Investment income	vi	102.5	73.8	87.9	73.4
Total income		1,485.2	1,308.4	1,461.0	1,282.2
Expenditure					
Staff costs			(14.9	(40.4	(02.4
- Staff costs excluding impact of USS deficit recovery		655.7 204.9	614.8 5.6	640.4 202.8	603.4 5.6
- USS deficit recovery	vii	860.6	620.4	843.2	609.0
Other operating expenses	viii	532.3	491.6	522.1	476.5
Depreciation	viii, xi	95.5	82.6	94.0	470.3 81.7
Interest and other finance costs	ix	88.1	30.0	88.1	30.0
Total expenditure		1,576.5	1,224.6	1,547.4	1,197.2
Surplus / deficit) before other gains and losses		(91.3)	83.8	(86.4)	85.0
Gain on investments	xiii	()1.3)	96.9	(30.4)	92.1
	лш				
Surplus before tax		34.9	180.7	34.2	177.1
Taxation	x		(1.2)		(1.2)
Surplus for the year		34.9	179.5	34.2	175.9
Other comprehensive income					
Actuarial gain	xx	(169.8)	99.1	(169.7)	99.1
Gain / (Loss) arising on foreign currency translation Profit on acquisition of Foundation		-	_ 1.6	-	_
Total comprehensive income /(expense) for the year		(134.9)	280.2	(135.5)	275.0
Represented by:		()		()	
Endowment comprehensive income for the year	xxi	112.8	114.5	112.6	114.3
Restricted comprehensive income for the year	xxii	112.8	74.3	112.0	74.3
Unrestricted comprehensive income / (expense) for the year		(369.2)	74.3 91.4	(369.5)	74.3 86.4
		(134.9)	280.2	(135.5)	275.0

UNAUDITED STATEMENT OF CHANGES IN RESERVES IN RESPECT OF ACADEMIC ACTIVITIES FOR THE YEAR ENDED 31 JULY 2019

	Endowment £m	Restricted Unrestricted £m £m		Total £m	
Group Balance at 1 August 2017	1,480.6	84.6	2,180.1	3,745.3	
Surplus for the year ended 31 July 2018 Other comprehensive income	114.5	74.3	(9.3) 100.7	179.5 100.7	
Total comprehensive income for the year ended 31 July 2018	114.5	74.3	91.4	280.2	
Release of restricted capital funds spent in the year ended 31 July 2018	_	(61.9)	61.9	_	
Balance at 31 July 2018	1,595.1	97.0	2,333.4	4,025.5	
Surplus for the year ended 31 July 2019 Other comprehensive income	112.8	121.6 (0.1)	(199.5) (169.7)	34.9 (169.8)	
Total comprehensive income for the year ended 31 July 2019	112.8	121.5	(369.2)	(134.9)	
Release of restricted capital funds spent in the year ended 31 July 2019	-	(91.1)	91.1	_	
Balance at 31 July 2019	1,707.9	127.4	2,055.3	3,890.6	

University Balance at 1 August 2017	1,477.7	84.5	2,165.2	3,727.4
Surplus for the year ended 31 July 2018 Other comprehensive income	114.3	74.3	(12.7) 99.1	175.9 99.1
Total comprehensive income for the year ended 31 July 2018	114.3	74.3	86.4	275.0
Release of restricted capital funds spent in the year ended 31 July 2018	_	(61.8)	61.8	_
Balance at 31 July 2018	1,592.0	97.0	2,313.4	4,002.4
Surplus for the year ended 31 July 2019 Other comprehensive income	112.6 _	121.4 _	(199.8) (169.7)	34.2 (169.7)
Total comprehensive income for the year ended 31 July 2019	112.6	121.4	(369.5)	(135.5)
Release of restricted capital funds spent in the year ended 31 July 2019	-	(91.1)	91.1	_
Balance at 31 July 2019	1,704.6	127.3	2,035.0	3,866.9

UNAUDITED BALANCE SHEETS IN RESPECT OF ACADEMIC ACTIVITES AS AT 31 JULY 2019

Fixed assets xi 2,286.32,212.62,288.52,214.8Heritage assets xii 72.070.672.070.6Investment - other investments $xiii$ 2,432.72,144.42,407.12,122.7Investments - investment property $xiii$ 547.5501.4547.5501.4Investments - joint ventures $xiii$ 0.15,338.64,929.05,315.24,909.5Current assets xiv 1.91.51.51.2Trade and other receivables xv 1.295.11.253.21.298.21.256.2Cash and cash equivalents xvi 1.295.11.253.21.298.21.256.2Cash and cash equivalents $xvii$ 678.1812.4650.0793.92,222.22,292.32,209.02,276.6Creditors: amounts falling due within one year $xviii$ (1,717.6)(1,737.0)(1,706.8)Net current assets5,816.55,503.75,787.25,479.3Creditors: amounts falling due after more than one year xix (933.7)(541.1)(930.3)(539.8)Total net assets3,890.64,025.53,866.94,002.4Restricted reservesIncome and expenditure reserve - endowment $xxii$ 1,707.91,595.11,704.61,592.0Income and expenditure reserve - unrestricted2,055.32,333.42,035.02,313.4Total reservesIncome and expenditure reserve - unrestricted $xxii$ 1,27.	Non-current assets	Note	Academic Group 31 July 2019 £m	Academic Group 31 July 2018 £m	Academic University 31 July 2019 £m	Academic University 31 July 2018 £m
Investment - other investments xiii 2,432.7 2,144.4 2,407.1 2,122.7 Investments - investment property xiii 547.5 501.4 547.5 501.4 Investments - joint ventures xiii 0.1 - - - 5,338.6 4,929.0 5,315.2 4,909.5 Current assets xiv 1.9 1.5 1.5 1.2 Trade and other receivables xv 247.1 225.2 259.3 225.3 Investments xvi 1,295.1 1,253.2 1,298.2 1,256.2 Cash and cash equivalents xvii 678.1 812.4 650.0 793.9 Returnent assets 2,222.2 2,292.3 2,209.0 2,276.6 Creditors: amounts falling due within one year xviii (1,744.3) (1,717.6) (1,737.0) (1,706.8) Net current assets 5,816.5 5,503.7 5,787.2 5,479.3 Creditors: amounts falling due after more than one year xix (933.7) (541.1) (930.3) (539.8) Total net assets 3,890.6 4,025.5 3,8	Fixed assets	xi	2,286.3	2,212.6	2,288.6	2,214.8
Investments - investment property xiii 547.5 501.4 547.5 501.4 Investments - joint ventures xiiii 0.1 - - - 5,338.6 4,929.0 5,315.2 4,909.5 Current assets Stocks and work in progress xiv 1.9 1.5 1.5 1.2 Trade and other receivables xv 247.1 225.2 259.3 225.3 Investments xvi 1,295.1 1,253.2 1,298.2 1,256.2 Cash and cash equivalents xvii 678.1 812.4 650.0 793.9 2,222.2 2,292.3 2,209.0 2,276.6 Creditors: amounts falling due within one year xviii (1,744.3) (1,717.6) (1,777.0) (1,706.8) Net current assets 5,816.5 5,503.7 5,787.2 5,479.3 Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx (933.7) (541.1) (930.3) (539.8) Income and expenditure reserve - endowment	5			,		
Investments - joint ventures xiii 0.1 -			· · · · · · · · · · · · · · · · · · ·	-		<i>,</i>
5,338.6 4,929.0 5,315.2 4,909.5 Current assets Stocks and work in progress xiv 1.9 1.5 1.5 1.2 Trade and other receivables xv 247.1 225.2 259.3 225.3 Investments xvi 1,295.1 1,253.2 1,298.2 1,256.2 Cash and cash equivalents $xvii$ 678.1 812.4 650.0 793.9 2,222.2 2,292.3 2,209.0 2,276.6 Creditors: amounts falling due within one year $xviii$ (1,744.3) (1,717.6) (1,737.0) (1,706.8) Net current assets 5,816.5 5,503.7 5,787.2 5,479.3 Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx 3,890.6 4,025.5 3,866.9 4,002.4 Restricted reserves Income and expenditure reserve - endowment xxi 1,707.9 1,595.1 1,704.6 1,592.0 Income and expenditure reserve - restricted				501.4	547.5	501.4
Current assets Stocks and work in progress xiv 1.9 1.5 1.5 1.2 Trade and other receivables xv 247.1 225.2 259.3 225.3 Investments xvi 1,295.1 1,253.2 1,298.2 1,256.2 Cash and cash equivalents xvi 678.1 812.4 650.0 793.9 2,222.2 2,292.3 2,209.0 2,276.6 Creditors: amounts falling due within one year $xviii$ (1,744.3) (1,717.6) (1,737.0) (1,706.8) Net current assets 477.9 574.7 472.0 569.8 Total assets less current liabilities 5,816.5 5,503.7 5,787.2 5,479.3 Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx (933.7) (541.1) (930.3) (539.8) Total net assets 3,890.6 4,025.5 3,866.9 4,002.4 Restricted reserves Income and expenditure reserve - restricted $xxii$ 127.4 97.0 127.3 <t< th=""><th>Investments - joint ventures</th><th>xiii</th><th>0.1</th><th>_</th><th></th><th>_</th></t<>	Investments - joint ventures	xiii	0.1	_		_
Stocks and work in progress xiv 1.91.51.51.2Trade and other receivables xv 247.1 225.2 259.3 225.3 Investments xvi $1,295.1$ $1,253.2$ $1,298.2$ $1,256.2$ Cash and cash equivalents $xvii$ 678.1 812.4 650.0 793.9 $2,222.2$ $2,292.3$ $2,209.0$ $2,276.6$ Creditors: amounts falling due within one year $xviii$ $(1,744.3)$ $(1,717.6)$ $(1,737.0)$ $(1,706.8)$ Net current assets 477.9 574.7 472.0 569.8 Total assets less current liabilities $5,816.5$ $5,503.7$ $5,787.2$ $5,479.3$ Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx $2,389.6$ $4,025.5$ $3,866.9$ $4,002.4$ Restricted reservesIncome and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - unrestricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$			5,338.6	4,929.0	5,315.2	4,909.5
Trade and other reserves Investments xv 247.1 225.2 259.3 225.3 Investments xvi $1,295.1$ $1,253.2$ $1,298.2$ $1,256.2$ Cash and cash equivalents $xvii$ 678.1 812.4 650.0 793.9 $2,222.2$ $2,292.3$ $2,209.0$ $2,276.6$ Creditors: amounts falling due within one year $xviii$ $(1,744.3)$ $(1,717.6)$ $(1,737.0)$ $(1,706.8)$ Net current assets 477.9 574.7 472.0 569.8 Total assets less current liabilities $5,816.5$ $5,503.7$ $5,787.2$ $5,479.3$ Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx $3,890.6$ $4,025.5$ $3,866.9$ $4,002.4$ Restricted reservesIncome and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - unrestricted $xxii$ 127.4 97.0 127.3 97.0 Urrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$	Current assets					
Investments Cash and cash equivalents xvi 1,295.11,253.21,298.21,296.2Cash and cash equivalents $xvii$ 678.1 812.4 650.0 793.9 2,222.22,292.32,209.02,276.6Creditors: amounts falling due within one year $xviii$ $(1,744.3)$ $(1,717.6)$ $(1,737.0)$ $(1,706.8)$ Net current assets 477.9 574.7 472.0 569.8 Total assets less current liabilities $5,816.5$ $5,503.7$ $5,787.2$ $5,479.3$ Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx $3,890.6$ $4,025.5$ $3,866.9$ $4,002.4$ Restricted reservesIncome and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - unrestricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,33.4$ $2,035.0$ $2,313.4$	Stocks and work in progress	xiv	1.9	1.5	1.5	1.2
Cash and cash equivalents $xvii$ 678.1812.4650.0793.9 $2,222.2$ $2,292.3$ $2,209.0$ $2,276.6$ Creditors: amounts falling due within one year $xviii$ $(1,744.3)$ $(1,717.6)$ $(1,737.0)$ $(1,706.8)$ Net current assets 477.9 574.7 472.0 569.8 Total assets less current liabilities $5,816.5$ $5,503.7$ $5,787.2$ $5,479.3$ Creditors: amounts falling due after more than one year xix (092.2) (093.1) (090.0) (0937.1) Pension liabilities xx $3,890.6$ $4,025.5$ $3,866.9$ $4,002.4$ Restricted reservesIncome and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - unrestricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$	Trade and other receivables	xv	247.1	225.2	259.3	225.3
Image: constraint of the system of the sy	Investments	xvi	1,295.1	1,253.2	1,298.2	1,256.2
Creditors: amounts falling due within one year $xviii$ $(1,744.3)$ $(1,717.6)$ $(1,737.0)$ $(1,706.8)$ Net current assets477.9574.7472.0569.8Total assets less current liabilities5,816.55,503.75,787.25,479.3Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx (933.7) (541.1) (930.3) (539.8) Total net assets3,890.6 $4,025.5$ $3,866.9$ $4,002.4$ Restricted reservesIncome and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - unrestricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$	Cash and cash equivalents	xvii	678.1	812.4	650.0	793.9
Net current assets 477.9 574.7 472.0 569.8 Total assets less current liabilities $5,816.5$ $5,503.7$ $5,787.2$ $5,479.3$ Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx (933.7) (541.1) (930.3) (539.8) Total net assets $3,890.6$ $4,025.5$ $3,866.9$ $4,002.4$ Restricted reservesIncome and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - restricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$			2,222.2	2,292.3	2,209.0	2,276.6
Total assets less current liabilities 5,816.5 5,503.7 5,787.2 5,479.3 Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx (933.7) (541.1) (930.3) (539.8) Total net assets $3,890.6$ $4,025.5$ $3,866.9$ $4,002.4$ Restricted reserves Income and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - restricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reserves Income and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$	Creditors: amounts falling due within one year	xviii	(1,744.3)	(1,717.6)	(1,737.0)	(1,706.8)
Creditors: amounts falling due after more than one year xix (992.2) (937.1) (990.0) (937.1) Pension liabilities xx (933.7) (541.1) (930.3) (539.8) Total net assets $3,890.6$ $4,025.5$ $3,866.9$ $4,002.4$ Restricted reservesIncome and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - restricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$	Net current assets		477.9	574.7	472.0	569.8
Pension liabilities xx (933.7)(541.1)(930.3)(539.8)Total net assets $3,890.6$ $4,025.5$ $3,866.9$ $4,002.4$ Restricted reservesIncome and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - restricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$	Total assets less current liabilities		5,816.5	5,503.7	5,787.2	5,479.3
Total net assets 3,890.6 4,025.5 3,866.9 4,002.4 Restricted reserves Income and expenditure reserve - endowment xxi 1,707.9 1,595.1 1,704.6 1,592.0 Income and expenditure reserve - restricted xxii 127.4 97.0 127.3 97.0 Unrestricted reserves Income and expenditure reserve - unrestricted 2,055.3 2,333.4 2,035.0 2,313.4	Creditors: amounts falling due after more than one year	xix	(992.2)	(937.1)	(990.0)	(937.1)
Restricted reservesIncome and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - restricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$	Pension liabilities	xx	(933.7)	(541.1)	(930.3)	(539.8)
Income and expenditure reserve - endowment xxi $1,707.9$ $1,595.1$ $1,704.6$ $1,592.0$ Income and expenditure reserve - restricted $xxii$ 127.4 97.0 127.3 97.0 Unrestricted reservesIncome and expenditure reserve - unrestricted $2,055.3$ $2,333.4$ $2,035.0$ $2,313.4$	Total net assets		3,890.6	4,025.5	3,866.9	4,002.4
Income and expenditure reserve - restrictedxxii127.497.0127.397.0Unrestricted reserves Income and expenditure reserve - unrestricted2,055.32,333.42,035.02,313.4						
Unrestricted reservesIncome and expenditure reserve - unrestricted2,055.32,333.42,035.02,313.4	-	xxi	1,707.9	1,595.1	1,704.6	1,592.0
Income and expenditure reserve - unrestricted 2,055.3 2,333.4 2,035.0 2,313.4	Income and expenditure reserve - restricted	xxii	127.4	97.0	127.3	97.0
Total reserves 3,890.6 4,025.5 3,866.9 4,002.4			2,055.3	2,333.4	2,035.0	2,313.4
	Total reserves		3,890.6	4,025.5	3,866.9	4,002.4

Full-time h	es and education contracts ome / EU students	Academic Group 2019 £m 131.6 120.0	Academic Group 2018 £m 129.2 105.8	Academic University 2019 £m 131.6 120.0	Academic University 2018 £m 129.2 105.8
Other cours	verseas (non-EU) students se fees	37.0	30.9	22.9	105.8
Research T	raining Support Grants	31.6	29.2	31.6	29.2
		320.2	295.1	306.1	283.0
ii Funding b	ody grants				
Recurrent g Recurrent g Recurrent g Other reven Total reven	e	18.1 124.4 2.1 10.7 155.3 26.6 181.9	18.0 121.7 2.1 8.3 150.1 23.5 173.6	18.1 124.4 2.1 10.7 155.3 26.6 181.9	18.0 121.7 2.1 8.3 150.1 23.5 173.6
iii Research s	grants and contracts				
Research c UK based o	ouncils charities Commission y ment	216.6 160.6 60.8 24.5 45.7 84.2 592.4	174.9 152.7 56.0 21.0 49.0 71.3 524.9	216.6 160.5 60.8 23.4 45.4 76.2 582.9	174.9 152.5 56.0 19.6 48.7 63.8 515.5

Total research grants and contracts income includes grants of £63.5m (2018: £20.1m) towards the cost of buildings and £17.1m (2018: £22.2m) for the purchase of equipment.

iv Donations and endowments

New endowments	66.1	21.6	66.1	21.6
Donations of, and for the purchase of, fixed assets	(0.2)	6.6	(0.2)	6.6
Donations of, and for the purchase of, heritage assets	1.4	3.0	1.4	3.0
Other donations with restrictions	20.8	14.5	20.8	14.5
Donations from subsidiary companies	-	-	18.5	7.6
Unrestricted donations	13.0	9.4	13.0	9.4
	101.1	55.1	119.6	62.7

Included within donations from subsidiary companies is £0.7m (2018: £0.8m) relating to capital donations received for the purchase of fixed assets

v Other income

	187.1	185.9	182.6	174.0
Sundry income	12.5	17.9	24.0	23.6
Surplus on disposal of fixed assets	-	4.2	-	4.2
Transferred from Cambridge University Press	8.4	4.6	8.4	4.6
Transferred from Cambridge Assessment	51.6	50.3	51.6	50.3
before deduction of tax	-	0.6	-	0.6
Research and Development Expenditure Credit (RDEC) receivable	7.1	5.2	2.2	5.0
Grants received (other than those included in Notes ii and iii above)	4.1	5.2	2.2	3.8
Rental income	20.5	15.3	18.7	15.0
Income from intellectual property	1.4	7.7	-	-
Residences, catering, and conferences	11.7	10.8	11.7	10.7
Health and hospital authorities	21.2	20.4	21.2	20.4
Other services rendered	55.7	48.9	44.8	40.8

Other services rendered includes externally generated sales across a wide variety of activities such as University staff and equipment charged out on external projects, the provision of veterinary services, farming sales (crop and milk), and restoration services.

RDEC has previously been claimed from HM Revenue & Customs at a rate of 10% or 11% on qualifying research and development expenditure, and is received net of Corporation Tax (see Note x). The University is not eligible to claim for RDEC in relation to expenditure incurred on or after 1 August 2015. No further income has been received during the year.

vi	Investment income Income from non-current asset investments Income from current asset investments and cash equivalents	Academic Group 2019 £m 96.9 5.6	Academic Group 2018 £m 72.6 1.2	Academic University 2019 £m 82.4 5.5	Academic University 2018 £m 72.2 1.2
		102.5	73.8	87.9	73.4
	Credited to:				
	Permanent endowment reserves	45.4	40.7	45.3	40.6
	Expendable endowment reserves	9.5	8.7	9.5	8.7
	Restricted reserves	1.3	0.9	1.3	0.9
	Unrestricted reserves	46.3	23.5	31.8	23.2
		102.5	73.8	87.9	73.4

The University operates a unitised fund, the Cambridge University Endowment Fund (CUEF), for long-term investment in respect of individual restricted endowments and other balances. A number of subsidiary undertakings, Cambridge Colleges and other associated bodies also hold units in the CUEF. The net assets of the CUEF were held in the following categories:

	31 July 2	31 July 2018		
	£m	%	£m	%
Public equity	2,078.1	60.1%	1,887.6	58.1%
Private investment	444.4	12.9%	297.0	9.1%
Absolute return	294.9	8.5%	309.1	9.5%
Credit	181.8	5.3%	183.3	5.6%
Real assets	304.6	8.8%	348.9	10.7%
Fixed interest / cash	152.1	4.4%	226.9	7.0%
Total value of fund	3,455.9	100.0%	3,252.8	100.0%

Public equity includes all equity stocks traded on a liquid market, together with related non-publically traded index funds and derivatives.

Private investment includes investments where initial capital commitments are drawn down over a period, and the proceeds of the investments once disposed of are returned over the life of each fund. The underlying investments include both unlisted equities and corporate credits (such as bonds, loans, and other claims).

Absolute return includes investments in trading strategies which are in some degree independent of overall equity market movements. Funds where different equities are simultaneously held (long) and sold (short) are included in this category.

Credit includes corporate securities (such as bonds and loans) traded on a liquid public market.

Real assets includes investments which are expected in some degree to increase in nominal value to match inflation. This category includes commercial property, and securities which reflect the level of commodity values. Inflation-linked government securities are. however, included in the fixed interest category below.

Fixed interest / cash includes cash at bank and on deposit, government securities, the net value of foreign currency contracts and any amounts receivable in general, less amounts payable, including those arising from holding derivative contracts.

The net assets of the CUEF are included in the following balance sheet captions in proportion to the number of units held by the relevant funds:

	Academic Group 2019 £m	Academic Group 2018 £m	Academic University 2019 £m	Academic University 2018 £m
Non current asset investments (see Note xiii) Current asset investments (see Note xvi) - balances held on behalf of:	2,334.9	2,069.7	2,331.8	2,066.7
Subsidiary undertakings Colleges Other associated bodies	334.3 786.7	411.6 771.5	3.1 334.3 786.7	3.0 411.6 771.5
Total included in current asset investments	1,121.0	1,183.1	1,124.1	1,186.1
Total value of units	3,455.9	3,252.8	3,455.9	3,252.8

vii	Staff costs	Academic Group 2019 £m	Academic Group 2018 £m	Academic University 2019 £m	Academic University 2018 £m
	Wages and salaries	480.4	455.1	467.5	445.5
	Social security costs	52.8	50.0	51.9	49.3
	Pension costs:				
	Current service cost	121.5	116.5	119.9	115.4
	Past service cost	5.8	-	5.8	-
	Net change in underlying assumptions in calculating				
	USS deficit recovery provision (see Note xx)	200.1	(1.2)	198.1	(1.2)
	Total pension costs	327.4	115.3	323.8	114.2
		860.6	620.4	843.2	609.0
	The average number of staff employed in the year, expressed as full-time equivalents	11,529	11,076	11,283	10,884

Following the update for the 2017 triennial valuation of the Universities Superannuation Scheme (USS), the impact of the change in assumptions (net of contributions payable) on staff costs resulting from the revised deficit recovery funding plan is noted above. The non-cash charge to staff costs resulting from the change in assumptions, including the change in discount rate, is $\pounds 204.9m$ (2018: $\pounds 5.6m$). Cash contributions made to reduce the deficit in the year amounted to $\pounds 4.8m$ (2018: $\pounds 6.8m$) resulting in a net charge to staff costs of $\pounds 200.1m$ (2018: $\pounds (1.2m)$) for the year.

Remuneration and pay ratios of the Vice-Chancellor

The remuneration of the current Vice-Chancellor is detailed in the table below and relates to the period from 1 August 2018 to 31 July 2019. The comparative year relates to the ten-month period from 1 October 2017, when the Vice-Chancellor took up office, to 31 July 2018 and also includes salary for an additional month (September 2017) as Vice-Chancellor-Elect.

	2019 £000	2018 £000
Salary for the period	372	335
Deductions to reflect salary sacrifice arrangements	(9)	(8)
Net salary paid in the year	363	327
Taxable benefits in kind Non-taxable benefits in kind	31 19	29 16
Total excluding employer pension contributions	413	372
Employer pension contributions Payments made in lieu of pension	17 45	19 37
Total remuneration	475	428

The salary for the period is the basic contractual salary before adjusting for salary sacrifice arrangements under which, in common with other employees, the Vice-Chancellor sacrificed an amount of pay relating to enhanced opt-out benefits for Death in Service and Ill Health. The employer pension contributions reflect both the employer payments for these benefits over to the Universities Superannuation Scheme and the Vice-Chancellor's contribution of £9k (2018: £8k).

Taxable benefits in kind include private healthcare of $\pounds 6,730$ (2018: $\pounds 1,902$), accommodation-related costs (heating, lighting and maintenance) of $\pounds 4,401$ (2018: $\pounds 2,308$) and the provision of accommodation of $\pounds 20,000$ (2018: $\pounds 16,668$). The provision of accommodation benefit was treated as non-taxable in the previous year in line with HMRC rules which exempted certain employees from being subject to income tax and national insurance contributions on such a benefit provided certain conditions were met. However, following the recent changes announced by HMRC and effective from 6 April 2019 the exemption can no longer be applied and as such the provision of accommodation benefit has been reclassified to a taxable benefit and the prior year restated. The accommodation benefit has been based on an independent valuation using comparable market data for market rentals of similar properties in the Cambridge area and has been pro-rated to reflect only the personal use of the property, as opposed to business and entertaining use. There were no tax consultancy services benefits received in the current year (2018: $\pounds 1,486$) or relocation expenses (2018: $\pounds 5,922$).

Non-taxable benefits include personal flight travel of £19,143 (2018: £16,210, including relocation flights)

Pay ratios:

(a) The Vice-Chancellor's basic salary is 11.1 times (2018: 11.3) the median pay of staff, where the median pay is calculated on a full-time equivalent basis for the salaries paid by the University to its staff. The comparative ratio reflects the full year basic salary equivalent for the Vice-Chancellor.

(b) The Vice-Chancellor's total remuneration is 12.0 times (2018: 12.4) the median pay of staff, where the median pay is calculated on a full-time equivalent basis for the total remuneration paid by the University to its staff. The comparative ratio reflects the full year remuneration equivalent for the Vice-Chancellor.

The median pay calculation includes over 1,175 agency staff employed on temporary contracts through the University's Temporary Employment Services (TES).

vii Staff costs (continued)

Basic salary bandings for higher paid staff

The number of staff (FTE's) with a basic salary in excess of £100,000 per annum, before salary sacrifice arrangements for the Academic Group is outlined below.

-	Clin	nical	Non-c	linical	Total n	umber
	2019	2018	2019	2018	2019	2018
£100,001 - £105,000	28	26	61	46	89	72
£105,001 - £110,000	9	4	20	32	29	36
£110,001 - £115,000	7	8	19	17	26	25
£115,001 - £120,000	7	5	10	15	17	20
£120,001 - £125,000	1	2	13	13	14	15
£125,001 - £130,000	1	_	12	6	13	6
£130,001 - £135,000	3	1	10	12	13	13
£135,001 - £140,000	-	_	9	4	9	4
£140,001 - £145,000	2	1	10	3	12	4
£145,001 - £150,000	-	_	6	5	6	5
£150,001 - £155,000	-	_	4	8	4	8
£155,001 - £160,000	-	_	2	_	2	_
£160,001 - £165,000	-	_	1	3	1	3
£165,001 - £170,000	-	_	1	_	1	_
£170,001 - £175,000	-	_	_	1	-	1
£175,001 - £180,000	-	_	1	_	1	_
£180,001 - £185,000	-	_	2	_	2	_
£185,001 - £190,000	-	_	-	-	-	-
£190,001 - £195,000	1	_	-	1	1	1
£195,001 - £200,000	-	_	_	1	-	1
£200,001 - £205,000	-	_	2	1	2	1
£205,001 - £210,000	-	_	-	-	-	-
£210,001 - £215,000	-	_	-	-	-	-
£215,001 - £220,000	-	_	1	1	1	1
£325,001 - £330,000	-	_	-	1	-	1
£330,001 - £335,000	-	_	1	2	1	2
£375,001 - £380,000	_	_	1	_	1	-
	59	47	186	172	245	219
Compensation for loss of office						
Aggregate payments for compensation for loss of in 2018-19 (28 in 2017-18):	office were paid to	0 45 members o	of staff	2019 £000	2018 £000	
Payments in respect of loss of office				751	807	
Key management personnel						-

The total remuneration of the Vice-Chancellor, the Pro-Vice-Chancellors, Chief Financial Officer and Registrary for the year (or part thereof), comprising salary and benefits (taxable and non taxable), 2,102 2,025 pension contributions and before salary sacrifice arrangements, was:

The total Academic Group pension cost for the year was:

	Employer contributions 2019 £m	Provisions (Note xx) 2019 £m	Total 2019 £m	Employer contributions 2018 £m	Provisions (Note xx) 2018 £m	Total 2018 £m
USS	91.0	200.1	291.1	83.2	(1.2)	82.0
CPS	21.6	8.4	30.0	21.4	6.1	27.5
NHSPS	2.3	_	2.3	2.3	_	2.3
Other pension schemes	3.9	0.1	4.0	3.5	-	3.5
	118.8	208.6	327.4	110.4	4.9	115.3

Analysis of consolidated expenditure by activit	y Staff costs	Other operating expenses)ep	reciation	Interest payable	2019 Total	2018 Total
	£m	£m	£m	£m	£m	£m
Academic departments	270.9	83.4	9.4	-	363.7	338.0
Academic services	34.8	8.4	1.0	_	44.2	47.7
Payments to Colleges	-	73.8	-	-	73.8	70.1
Research grants and contracts	238.1	203.7	29.2	-	471.0	435.3
Other activities:						
Other services rendered	16.5	35.9	-	_	52.4	41.3
Intellectual property	2.9	3.4	0.2	-	6.5	6.2
Residences, catering and conferences	3.1	11.7	-	-	14.8	14.5
Other activities total	22.5	51.0	0.2	-	73.7	62.0
Administration and central services:						
Administration	53.5	6.0	0.9	1.2	61.6	66.9
General educational	1.9	33.9	0.1	-	35.9	35.5
Staff and student facilities	3.7	0.7	-	-	4.4	4.2
Development office	6.9	8.4	-	-	15.3	12.9
Other	1.4	8.2	-	-	9.6	1.4
Administration and central services total	67.4	57.2	1.0	1.2	126.8	120.9
Premises	18.4	54.8	54.7	-	127.9	115.7
Interest payable on bond liabilities	-	-	-	72.7	72.7	14.8
Pension cost adjustments for USS	200.1	-	-	2.1	202.2	0.6
Pension cost adjustments for CPS	8.4	-	-	12.1	20.5	19.5
Total per income and expenditure account	860.6	532.3	95.5	88.1	1,576.5	1,224.6

ix	Interest and other finance costs	Academic Group 2019 £m	Academic Group 2018 £m	Academic University 2019 £m	Academic University 2018 £m
	Interest payable and other finance costs on bond liabilities (see Note xix) Interest on pension liabilities (see Note xx) Finance charge associated with the revaluation of forward exchange contracts	72.7 14.2 1.2	14.8 15.2	72.7 14.2 1.2	14.8 15.2
	-	88.1	30.0	88.1	30.0

The University is exposed to certain foreign currency transactions as part of its normal course of activities. The University enters into forward exchange contracts in order to provide greater certainty over the settlement exchange rates. To the extent that these contracts are unsettled at the balance sheet date they are revalued at that date with the resultant charge or credit being recognised through finance costs.

Interest payable and other finance costs on bond liabilities can be analysed as follows:

Bond liabilities - unsecured 2012 (Fixed interest)	13.3	13.2	13.3	13.2
Bond liabilities - unsecured 2018 (Fixed interest)	7.1	0.7	7.1	0.7
Bond liabilities - unsecured 2018 (Index-linked)	52.3	0.9	52.3	0.9
	72.7	14.8	72.7	14.8

Included within the 2018 index-linked bond liabilities interest and finance costs is the adjustment to revalue the liabilities to their fair value at the balance sheet date. The additional financing charge recognised as a result of this revaluation is £51.5m (2018: Nil).

For further details on these bond liabilities see Note xix.

X	Taxation	Academic Group 2019 £m	Academic Group 2018 £m	Academic University 2019 £m	Academic University 2018 £m
	UK Corporation Tax Foreign taxes	-	0.1 1.1	-	0.1 1.1
		-	1.2	-	1.2

In respect of the prior year, due to its exempt charity status the tax charge for UK Corporation Tax is solely in respect of Research and Development Expenditure Credit grants received in 2017-18 (see Note v above). Foreign taxes in respect of the prior year includes one-off foreign tax paid on overseas trademark licence income.

xi	Fixed assets Group Cost	Land £m	Non-Leasehold Buildings £m	Leasehold Buildings £m	Assets in construction £m	Equipment £m	2019 Total £m	2018 Total £m
	At 1 August Additions Transfers Transfers (to)/from investment properties Transfers (to)/from other balance sheet accounts Disposals Currency adjustments	338.0 7.6 - - -	1,433.0 15.0 95.0	211.9	316.1 118.6 (205.3) - - -	362.2 27.9 - (5.3) 0.1	2,661.2 169.1	2,520.1 234.7 (81.6) (12.0)
	At 31 July	345.6	1,543.0	322.2	229.4	384.9	2,825.1	2,661.2
	Accumulated depreciation							
	At 1 August Charge for the year Transfers (to)/from other balance sheet accounts Transfers (to)/from investment properties Elimination on disposals Currency adjustments		146.7 49.3 - - -	21.0 6.5		280.9 39.7 (5.3)	448.6 95.5 (5.3)	376.4 82.6 (3.1) (7.3)
	At 31 July	-	196.0	27.5	-	315.3	538.8	448.6
	Net book value At 31 July	345.6	1,347.0	294.7	229.4	69.6	2,286.3	2,212.6
	At 1 August	338.0	1,286.3	190.9	316.1	81.3	2,212.6	2,143.7

The net book value of leasehold land included in the above table is £29.8m (2018: £29.8m).

University	Land £m	Non-Leasehold Buildings £m	Leasehold Buildings £m	Assets in construction £m	Equipment £m	2019 Total £m	2018 Total £m
Cost							
At 1 August Additions Transfers Transfers (to)/from investment properties Transfers (to)/from other balance sheet accounts	338.0 7.6 -	1,435.5 15.0 95.6	211.9	317.9 119.3 (205.9)	358.0 25.9 -	2,661.3 167.8 -	2,520.2 234.2 (81.6)
Disposals Currency adjustments	:	-	-	-	(5.1)	(5.1)	(11.5)
At 31 July	345.6	1,546.1	322.2	231.3	378.8	2,824.0	2,661.3
Accumulated depreciation							
At 1 August Charge for the year Transfers (to)/from other balance sheet accounts Transfers (to)/from investment properties Elimination on disposals Currency adjustments	- - - -	146.8 49.3 - - -	21.1 6.5 - -	- - - -	278.6 38.2 (5.1)	446.5 94.0 - (5.1)	374.7 81.7 (3.1) (6.8)
At 31 July	-	196.1	27.6	-	311.7	535.4	446.5
Net book value At 31 July	345.6	1,350.0	294.6	231.3	67.1	2,288.6	2,214.8
At 1 August	338.0	1,288.7	190.8	317.9	79.4	2,214.8	2,145.5

The net book value of leasehold land included in the above table is $\pounds 29.8m$ (2018: $\pounds 29.8m$).

xii	Heritage assets	Academic Group 2019 £m	Academic Group 2018 £m	Academic University 2019 £m	Academic University 2018 £m
	Opening balance Additions in the year	70.6 1.4	67.3 3.3	70.6 1.4	67.3 3.3
	Closing balance at 31 July	72.0	70.6	72.0	70.6

The University holds and conserves certain collections, artefacts and other assets of historical, artistic or scientific importance. Most of these are housed in the University's nationally accredited museums and collections and in its libraries, providing a valuable research and educational resource locally, nationally and internationally as well as an unrivalled opportunity to present the University's work to a wide audience. Other collections are held in academic departments or are on display as public art. Major collections include those held by the University Library, a legal deposit, the Botanic Garden, and the Fitzwilliam Museum.

In respect of its major collections, the University's practice, in accordance with the national accreditation standards, is: to preserve, conserve, and manage the objects in its care; to augment the collections where appropriate and within the resources available; to enable and encourage access to and use of the collections for teaching and research; and to enable wide access to and engagement with the collections by members of the public.

As stated in the statement of significant accounting policies of the consolidated financial statements, heritage assets acquired since 1 August 1999 have been capitalised. The majority of assets held in the University's collections were acquired before 1 August 1999; because reliable estimates of cost or valuation are not available for these assets on a cost-benefit basis they have not been capitalised. As a result the total included in the balance sheet is partial.

Additions for the current and previous four years were as follows:	2019	2018	2017	2016	2015
	£m	£m	£m	£m	£m
Acquisitions purchased with specific donations	-	1.1	1.3	1.2	1.1
Value of acquisitions by donation	1.4	2.2	0.4	2.5	0.4
Total acquired by, or funded by, donations Acquisitions purchased with University funds	1.4	3.3	1.7 0.5	3.7 0.5	1.5
Total acquisitions capitalised	1.4	3.3	2.2	4.2	1.5

xiii Non-current asset investments

a) Other investments	Academic Group 2019 £m	Academic Group 2018 £m	Academic University 2019 £m	Academic University 2018 £m
Opening balance	2,144.4	2,057.0	2,122.7	2,041.6
Additions in the year	264.4	58.6	264.1	57.1
Disposals in the year	(48.5)	(99.2)	(46.6)	(99.2)
Valuation gains on investments	72.5	128.0	66.9	123.2
Closing balance at 31 July	2,432.8	2,144.4	2,407.1	2,122.7
Represented by:				
CUEF units (see Note vi)	2,334.9	2,069.7	2,331.8	2,066.7
Securities	11.5	11.7	10.6	10.7
Spin-out and similar companies	86.2	62.9	59.6	40.6
Investments in subsidiary undertakings	-	-	5.0	4.6
Investments in joint ventures	0.1	-	-	-
Other	0.1	0.1	0.1	0.1
	2,432.8	2,144.4	2,407.1	2,122.7

Other investments primarily relate to investments in farming and related products.

b) Investment properties	Academic	Academic	Academic	Academic
	Group	Group	University	University
	2019	2018	2019	2018
	£m	£m	£m	£m
Opening balance Additions in the year Disposals in the year Transfers (to) / from other balance sheet accounts Net gains / (losses) from fair value adjustments	501.4 21.0 (28.0) 53.1	407.1 48.3 (1.4) 78.5 (31.1)	501.4 21.0 (28.0) 53.1	407.1 48.3 (1.4) 78.5 (31.1)
Closing balance	547.5	501.4	547.5	501.4
Represented by:	362.3	327.2	362.3	327.2
North West Cambridge development	185.2	174.2	185.2	174.2
Other investment property	547.5	501.4	547.5	501.4

Phase 1 of the North West Cambridge development is complete and includes accommodation for University staff and students, infrastructure and community facilities. The development has been valued as at 31 July 2019 by an external valuer, Gerald Eve LLP, a regulated firm of Chartered Surveyors. The valuation was prepared in accordance with the requirements of the RICS valuation - Global Standards (July 2017 edition) ("the Standards") published by the Royal Institution of Chartered Surveyors (RICS) and FRS 102. The valuation was undertaken on a fair value basis. The result is a revaluation gain in the carrying value of the investment of £44.5m. This is reflected as a valuation gain on investment and increases the carrying value of the investment from £317.8m to £362.3m. Other investment property is also revalued annually with properties valued in excess of £0.5m undertaken by an independent external valuer and the balance valued internally by the University's own Estates Management team. The annual valuation of these properties has resulted in a gain on investment of £8.6m.

The gain on investments of $\pounds 126.2m$ (2018: $\pounds 96.9$) includes investment property gains of $\pounds 53.1m$ (2018: $\pounds (31.1)m$) as shown above, other noncurrent asset investment gains of $\pounds 72.5m$ (2018: $\pounds 128.0m$) as shown in Note xiiia, primarily relating to the endowment fund and $\pounds 0.6m$ (2018: nil) recognised through current asset investments relating to a specialist fund held with Royal London.

xiv	Stocks and work in progress	Academic Group 2019 £m	Academic Group 2018 £m	Academic University 2019 £m	Academic University 2018 £m
	Goods for resale	0.4	0.3	-	-
	Other stocks	1.5	1.2	1.5	1.2
		1.9	1.5	1.5	1.2
xv	Trade and other receivables				
	Amounts due within one year				
	Research grants recoverable	129.4	124.0	129.8	120.6
	Amounts due from group undertakings	41.4	32.3	60.9	43.0
	Trade debtors	34.7	32.4	28.9	32.4
	Other debtors	41.6	36.4	39.7	29.3
		247.1	225.2	259.3	225.3
xvi	Current asset investments				
	CUEF units held on behalf of other entities (see Note vi)	1,121.0	1,183.1	1,124.1	1,186.1
	Money market investments	174.1	63.2	174.1	63.2
	Other	-	6.9	-	6.9
		1,295.1	1,253.2	1,298.2	1,256.2
xvii	Cash and cash equivalents				
	Money market investments with maturity less than three months	646.1	793.6	646.1	793.6
	Cash at bank and in hand and with investment managers	32.0	18.8	3.9	0.3
		678.1	812.4	650.0	793.9
xviii	Creditors: amounts falling due within one year				
	Bank overdraft	-	14.0	-	14.0
	Finance leases Research grants received in advance	- 224.8	216.2	- 224.8	- 211.1
	Other creditors and deferred income	-	-	-	-
	Amounts due to group undertakings	2.5	4.0	17.3	21.6
	Derivative financial instruments liabilities	1.2	-	1.2	-
	Investments and cash equivalents held on behalf of subsidiary undertakings	927.2	819.3	931.8	823.9
	Investments and cash equivalents held on behalf of Colleges and other associated bodies	350.5	440.8	350.5	440.8
		1,744.3	1,717.6	1,737.0	1,706.8

Amounts due to other group undertakings relate to amounts which are owed to entities consolidated as part of the Annual Report and Accounts of the University but which are not consolidated as part of the Academic University Group.

xix	Creditors: amounts falling due after more than one year	Academic Group 2019 £m	Academic Group 2018 £m	Academic University 2019 £m	Academic University 2018 £m
	Bond liabilities - unsecured 2012 (Fixed interest) Bond liabilities - unsecured 2018 (Fixed interest) Bond liabilities - unsecured 2018 (Index-linked)	342.8 297.8 348.2	342.6 297.8 296.7	342.8 297.8 348.2	342.6 297.8 296.7
	Bank loans Finance leases Accruals and deferred income	- 1.2 2.2	- - -	- 1.2	- - -
		992.2	937.1	990.0	937.1

On 17 October 2012 the University issued £350m of 3.75% unsecured Bonds due October 2052. The Bonds were issued at 98.168% of their principal amount. The proceeds of issue, less directly attributable transaction costs, amounted to £342m. Interest at 3.75% p.a. is payable on 17 April and 17 October each year and commenced on 17 April 2013. In addition, on 27 June 2018 the University issued £300m of 2.35% unsecured Bonds due June 2078. The Bonds were issued at 99.552% of their principal amount. The proceeds of issue, less directly attributable transaction costs, amounted to £297.8m. Interest at 2.35% p.a. is payable on 27 June and 27 December each year and commenced on 27 December 2018.

The Bonds will be redeemed at their principal amounts of \pounds 350m and \pounds 300m on 17 October 2052 and 27 June 2078 respectively. The Bonds are initially measured at the proceeds of issue less all transaction costs directly attributable to the issue. After initial recognition, the Bonds are measured at amortised cost using the effective interest rate method. Under this method the discount at which the Bonds were issued and the transaction costs are accounted for as additional interest expense over the term of the Bonds.

Also on 27 June 2018 the University issued £300m of Index-linked Bonds (the "Indexed Bonds") due June 2068. The Indexed Bonds were issued at 98.893% of their principal amount. Interest is payable annually in arrears on 27 June each year and commenced on 27 June 2019. The interest charged is calculated as the product of 0.25% p.a. and the Limited Index Ratio. The Indexed Bonds will be redeemed in accordance with the Amortisation Schedule multiplied by the Limited Index Ratio or may be redeemed earlier at the option of the University. The Indexed Bonds are accounted for as complex financial instruments and were initially recognised at fair value at the transaction date which was deemed to be the face value of the Bonds (net of discount) of £296.7m. Transaction costs were immediately expensed on initial recognition of the Bonds. Subsequently the Bonds are re-measured to their fair value at each consecutive reporting date with any increase or decrease in liability recognised through finance costs in the statement of total comprehensive income. As at 31 July 2019 the Indexed Bonds were revalued upwards to £348.2m based on an independed valuation from Morgan Stanley, increasing the liability and resulting in a fair value adjustment charge through finance of £51.5m.

All the Bonds referred to above are listed on the London Stock Exchange.

xx Pension liabilities

Group	CPS £m	USS deficit recovery £m	Other £m	Total 2019 £m	Total 2018 £m
Opening balance	442.8	98.3	-	541.1	620.1
Movement in year:					
Current service cost	30.1	-	6.0	36.1	33.5
Past service cost	5.8	-	-	5.8	-
Contributions	(28.5)	-	(6.0)	(34.5)	(28.4)
Administration expenses	1.0	-	0.1	1.1	1.0
Interest on liability	12.1	2.1	-	14.2	15.2
Currency adjustments	-	-	-	-	-
Net change in underlying assumptions (see Note vii):					
- change in underlying assumptions	-	204.9	-	204.9	5.6
- USS deficit contributions payable	-	(4.8)	-	(4.8)	(6.8)
	-	200.1	-	200.1	(1.2)
Actuarial (gain) / loss	169.7	-	0.1	169.8	(99.1)
Closing balance at 31 July	633.0	300.5	0.2	933.7	541.1
University					
Opening balance	442.8	97.1	-	539.9	618.8
Movement in year:					
Current service cost	30.1	-	5.8	35.9	33.5
Past service cost	5.8	-	-	5.8	-
Contributions	(28.5)	-	(5.8)	(34.3)	(28.4)
Administration expenses	1.0	-	-	1.0	1.0
Interest on liability	12.1	2.1	-	14.2	15.2
Currency adjustments	-	-	-	-	-
Net change in underlying assumptions (see Note vii):					
- change in underlying assumptions	-	202.8	-	202.8	5.6
- USS deficit contributions payable	-	(4.7)	-	(4.7)	(6.8)
	-	198.1	-	198.1	(1.2)
Actuarial gain	169.7	-	-	169.7	(99.1)
Closing balance at 31 July	633.0	297.3	-	930.3	539.8

The net liability in respect of the Cambridge University Assistants' Contributory Pension Scheme (CPS) represents the present value of this defined benefit scheme's obligations to provide future benefits in relation to past service, less the assets of the scheme. For additional information please refer to the audited financial statements of the University.

The obligation to fund the past deficit on the Universities Superannuation Scheme (USS) arises from the contractual obligation with the USS to fund deficit payments in accordance with the deficit recovery plan. In calculating this provision, management have estimated future staff levels within the USS scheme for the duration of the contractual obligation and salary inflation.

The Group also has a smaller number of staff in other pension schemes, including the Local Government Pension Scheme (LGPS) supporting staff in the University primary school and the National Health Service Pension Scheme (NHSPS).

The adoption of the new deficit recovery plan following the 2017 actuarial valuation has given rise to a significant increase in the deficit provision which has increased from \pounds 98.3m to \pounds 300.5m. \pounds 204.9m of this increase is attributable to the change in deficit contributions contractual commitment from 2.1% to 5.0% p.a. and the movement in discount rate as noted below. The movements described as a "net change in underlying assumptions" include these impacts. The resulting increase in provision in 2018-19 is included in staff costs (see Note vii).

Since the year end, following the completion of the 2018 actuarial valuation, a new deficit recovery plan has been agreed, details of which are outlined in the audited financial statements of the University. As at 31 July 2019 and with all other assumptions used to calculate the provision unchanged, this would have resulted in a revised provision of $\pounds 168.5$ m, a decrease of $\pounds 132.0$ m from the current year end provision.

The major assumptions used to calculate the obligation are:

	2019	2018
Discount rate	1.61%	2.20%
Salary growth	4.2%	4.0%

xxi	Endowment reserves				Expendable	2019 Total	2018 Total
	Group			£m	£m	£m	£m
	Balance at 1 August			1,296.0	299.1	1,595.1	1,480.6
	New endowments received			58.2	7.9	66.1	21.6
	Transfers			3.0	(3.0)	-	-
	Investment income			45.4	9.5	54.9	49.4
	Expenditure			(40.5)	(14.6)	(55.1)	(45.3)
	Valuation gains on investments		-	38.0	8.9	46.9	88.8
	Balance at 31 July		_	1,400.1	307.8	1,707.9	1,595.1
	Capital			1,209.5	275.7	1,485.2	1,390.2
	Unspent income			190.6	32.1	222.7	204.9
	Balance at 31 July		_	1,400.1	307.8	1,707.9	1,595.1
	Representing:						
	Trust and Special Funds:						
	Professorships, Readerships, and Lectureships			703.1	84.6	787.7	744.1
	Scholarships and bursaries			206.4	17.4	223.8	172.7
	Other			463.6	205.8	669.4	650.9
	Gates Cambridge Trust			-	-	-	-
	Examination Board restricted funds General endowments			-	-	-	-
	General endowments		_	27.0	-	27.0	27.4
	Group total		_	1,400.1	307.8	1,707.9	1,595.1
	University						
	Balance at 1 August			1,292.9	299.1	1,592.0	1,477.7
	New endowments received			58.2	7.9	66.1	21.6
	Transfers			3.0	(3.0)	-	-
	Income receivable from endowment asset investments			45.3	9.5	54.8	49.3
	Transfers Expenditure			(40.5)	- (14.6)	- (55.1)	(45.2)
	Valuation gains on investments			(40.5) 37.9	(14.0) 8.9	(55.1) 46.8	(43.2) 88.6
	Balance at 31 July		-	1,396.8	307.8	1,704.6	1,592.0
	Capital		_	1,206.1	275.8	1,481.9	1,387.1
	Unspent income			190.7	32.0	222.7	204.9
	Balance at 31 July		_	1,396.8	307.8	1,704.6	1,592.0
vvii	Restricted reserves		_				
		Unspent	Unspent		Other		
		capital	research	Specific	Restricted	2019	2018
		grants £m	grants £m	donations £m	Reserves £m	Total £m	Total £m
	Group	æm	æm	2111	æm	2111	æm
	Balance at 1 August	13.7	32.1	51.2	-	97.0	84.6
	Donations and grants recognised in the year	91.5	18.5	20.8	-	130.8	91.8
	Investment income	-	-	1.1	0.2	1.3	0.9
	Expenditure	(1.6)	(13.3)	(15.9)	-	(30.8)	(19.8)
	Capital grants spent	(91.1)	-	-	-	(91.1)	(61.9)
	Valuation gains on investments Transfer from Unrestricted reserves	-	-	0.6 -	1.0 18.7	1.6 18.7	1.4 -
	Actuarial loss	(0.1)	-		-	(0.1)	-
	Balance at 31 July	12.4	37.3	57.8	19.9	127.4	97.0
	University	12.1	0710	0110	1707	12/11	71.0
	-	13.7	32.1	51.2		07.0	015
	Balance at 1 August Donations and grants recognised in the year	13.7 89.7	32.1 18.5	20.8	-	97.0 129.0	84.5 90.4
	Investment income	-	-	1.1	0.2	1.3	0.9
	Expenditure	-	(13.3)	(15.9)	-	(29.2)	(18.4)
	Capital grants spent	(91.1)	-	- 1	-	(91.1)	(61.8)
	Valuation gains on investments	-	-	0.6	1.0	1.6	1.4
	Transfer from Unrestricted reserves Actuarial loss	-	-	-	18.7	18.7	-
		10.2	2= 2		10.0	105.0	07.0
	Balance at 31 July	12.3	37.3	57.8	19.9	127.3	97.0

Other restricted reserves relates to certain units in the Cambridge University Endowment Fund which were previously held as unrestricted but which have been re-categorised to restricted during the year following the implementation of unit match-funding associated with a specific donation.

xxiii Capital commitments Commitments for capital expenditure:	Academic Group 2019 £m	Academic Group 2018 £m
Commitments contracted at 31 July	396.5	533.5
Authorised but not contracted at 31 July	102.3	174.3
Commitments for capital calls on investments	449.9	505.3

xxiv Profit on acquistion of Foundation

The Foundation for Genomics and Population Health was acquired on 1 April 2018 for nil consideration and has been consolidated in the Academic Group from this date. The net assets on the date of acquisition were $\pounds 1.6m$ which resulted in a profit on acquisition of $\pounds 1.6m$ in 2017-18.

xxv Post balance sheet events

As set out in Note xx in respect of the USS pension scheme, a new Schedule of Contributions based on the 2018 actuarial valuation has been agreed. This results in a decrease in \pounds 132.0m in the provision for the obligation to fund the deficit on the USS pension scheme which would instead be \pounds 168.5m. This adjustment will be reflected in the University's financial statements for the year ended 31 July 2020.

xxvi SUMMARY CONSOLIDATED FINANCIAL INFORMATION

Financial summary (unaudited)

The financial summary set out below has been extracted from the financial statements of the Academic Group as reported in the Cambridge University Reporter for the five years ended 31 July 2019.

(a) Summary consolidated statement of comprehensive income	2019	2018	2017	2016	2015
Total income	1,485.2	1,308.4	1,212.8	1,191.3	1,143.6
Total expenditure	1,576.5	1,224.6	1,134.5	1,095.9	1,054.0
Surplus before other gains and losses	(91.3)	83.8	78.3	95.4	89.6
Gain on investments	126.2	96.9	253.7	116.6	201.2
Surplus before tax	34.9	180.7	332.0	212.0	290.8
Surplus for the year	34.9	179.5	332.0	211.7	279.1
Actuarial gain/(loss)	(169.8)	99.1	(1.0)	(145.2)	(4.6)
Other comprehensive income for the year	-	1.6	0.2	-	-
Total comprehensive income / (expense) for the year	(134.9)	280.2	331.2	66.5	274.5
Represented by:					
Endowment comprehensive income for the year	112.8	114.5	183.7	94.0	133.0
Restricted comprehensive income for the year	121.5	74.3	49.1	65.8	86.2
Unrestricted comprehensive income for the year	(369.2)	91.4	98.4	(93.3)	55.3
	(134.9)	280.2	331.2	66.5	274.5
Adjusted consolidated statement of comprehensive income					
Surplus for the year	34.9	179.5	332.0	211.7	279.1
Less: Gain on investments	(126.2)	(96.9)	(253.7)	(116.6)	(201.2)
Less: CPI-Linked Bond fair value adjustment	51.5	_	_	_	-
Less: USS pension deficit recovery reflected in staff costs	204.9	5.6	(0.3)	13.7	49.7
Less: Harding endowment	(41.3)	_	_	—	-
Less: Capital grants and donations	(107.0)	(75.6)	(80.5)	(105.4)	(92.6)
Less: Research Development Expenditure Credit (net of tax)	-	(0.5)	_	(1.0)	(42.0)
Less: Transfer of assets from Cambridge Assessment	(22.6)	(24.4)	-	-	_
Adjusted surplus / (deficit) for the year	(5.8)	(12.3)	(2.5)	2.4	(7.0)
(b) Summary consolidated balance sheets (£m)	2019	2018	2017	2016	2015
(b) Summary consolitated balance sheets (2m)	2017	2010	2017	2010	2010
Non-current assets	5,338.6	4,929.0	4,675.1	4,346.1	4,033.4
Current assets	2,222.2	2,292.3	1,459.0	1,309.7	1,295.1
Total assets	7,560.8	7,221.3	6,134.1	5,655.8	5,328.5
Current liabilities	(1,744.3)	(1,717.6)	(1,426.2)	(1,291.2)	(1,197.5)
Non-current liabilities	(1,925.9)	(1,478.2)	(962.6)	(950.5)	(783.4)
Net assets	3,890.6	4,025.5	3,745.3	3,414.1	3,347.6
Income and expenditure reserve - endowment	1,707.9	1,595.1	1,480.6	1,296.9	1,202.9
Income and expenditure reserve - restricted	127.4	97.0	84.6	78.7	81.4
-	2,055.3	2,333.4	2,180.1	2,038.5	2,063.3
Income and expenditure reserve - unrestricted	2,055.5	2,000	,	,	

Note: Year ended 31 July 2015 has been restated to Financial Reporting Standard 102