



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF COMMERCE, HUMAN SCIENCES AND EDUCATION

DEPARTMENT OF MANAGEMENT

QUALIFICATION: Bachelor of Business Management and Bachelor of Entrepreneurship	
QUALIFICATION CODE: 07BBMA and 07BENT	LEVEL: 7
COURSE CODE: BBF612S	COURSE NAME: BUSINESS FINANCE
DATE: January 2023	SESSION: 2nd Opportunity
DURATION: 2H00 MINUTES	MARKS: 100

SECOND OPPORTUNITY EXAMINATION PAPER	
EXAMINER(S)	Mr. A. Ndjavera Mrs. B Ndungaua Mr. Bramwell Kamudyariwa
Moderator	Mr E Mbanga

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer all questions.2. Read all the questions carefully before answering.3. Use the attached financial tables A, B, C & D.4. Marks for each question are indicated at the end of each question.5. This paper consist of ONE (1) section.6. Question 5 comprises of two alternative questions, ANSWER ONLY ONE.7. Please ensure that your writing is legible, neat and presentable.

**THIS QUESTION PAPER CONSISTS OF _8_ PAGES (Including this front page)
PERMISSIBLE MATERIAL - Calculator**

QUESTION 1**(10 Marks)**

With concrete examples, discuss Porter's competitive forces in which a business entity functions.

QUESTION 2**(15 Marks)**

What is GAAP and what are seven of its eleven principles?

QUESTION 3**(15 Marks)**

Use the following Statement of Financial Performance and Statement of Financial Position of Oryx and Kudu Limited to calculate and select the correct answers below in questions.

Kudu and Oryx Limited Statement of Financial Performance as at 28 February 2022	
Sales	5,300,000.00
Less: Cost of goods sold	2,650,000.00
Gross profit	2,650,000.00
Less operating expenses	1,560,000.00
Operating profit	1,090,000.00
Less: Interest expenses	28,000.00
Net profit before tax	1,062,000.00
less: Tax 29%	307,980.00
Net profit after tax	754,020.00
Net profit distributed as follows:	
Dividends to ordinary shareholders	210,000.00
Retained earnings	544,020.00
	754,020.00

Additional Information:

Number of ordinary shares issued: 2,800,000 at 230 cents each.

Current market price of the share: 375 cents

Credit purchases 2,430,000

Days per year 360

There are no preference dividends.

**Kudu and Oryx Limited Statement of Financial Position as at 28
February 2022**

None-current assets	1,950,000.00	Shareholder's interest	
Current assets		Ordinary shares	850,000.00
Cash	100,000.00	Retained earnings	650,000.00
Accounts receivable	130,000.00	Long term debt	700,000.00
Inventory	320,000.00	Current Liabilities	
		Accounts payable	300,000.00
Total Assets	2,500,000.00	Equity and Liabilities	2,500,000.00

Calculate the following ratios:

- a) Gross Profit margin (3 marks)
- b) Current ratio (3 marks)
- c) Average payment period (3 marks)
- d) Debt-equity ratio (3 marks)
- e) Earning per share (3 marks)

QUESTION 4

(14 Marks)

Name and explain the principles of budgeting that may contribute to meaningful budgets.

QUESTION 5

(6 Marks)

1. Kudu and Oryx CC's financial manager is investing N\$12,000 for a 5 year period at 12% per annum, calculated quarterly.

Calculate the Future value at the end of year 5.

OR

2. Kudu and Oryx CC may borrow N\$3,000,000 from the Development Bank for business expansion purposes. The bank will charge 16% and Kudu and Oryx CC has agreed to make equal annual end-of-year payments over 7 years.

How much will the annual repayment amount be if the business proceeds with the loan application?

QUESTION 6:**(14 Marks)**

Nico Limited needs to procure a machine for their manufacturing business. They have an option between 2 machines that they can buy.

- Machine A will cost N\$95,000.
- Machine B will cost N\$85,500
- The cost of capital on the investment is 16%. They expect the following cash inflow for the next 6 years:

	Machine A	Machine B
Period	Cash Inflow (N\$)	
1	28,000	25,000
2	30,000	19,000
3	32,000	25,900
4	30,000	19,500
5	42,500	20,900
6	29,700	22,600

- Calculate the profitability index for both options (10 marks)
- Based on the profitability index, which option should be purchased? Motivate your answer (4 marks)

QUESTION 7**(14 Marks)**

When financing assets, what critical considerations should you as the financial manager keep in mind?

QUESTION 8**(12 marks)**

Discuss strategies for cash flow management.

-END-

Table A Future-Value Interest Factors for R1 compounded at k per cent
for n Periods

Factors not included in this table may be calculated by means of the following equation:

$$FVIF = (1 + k)^n$$

n	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	20%	25%	30%
1	1,010	1,020	1,030	1,040	1,050	1,060	1,070	1,080	1,090	1,100	1,110	1,120	1,130	1,140	1,150	1,160	1,200	1,250	1,300
2	1,020	1,040	1,061	1,082	1,103	1,124	1,145	1,166	1,188	1,210	1,232	1,254	1,277	1,300	1,323	1,346	1,440	1,563	1,690
3	1,030	1,061	1,093	1,125	1,158	1,191	1,225	1,260	1,295	1,331	1,368	1,405	1,443	1,482	1,521	1,561	1,728	1,953	2,197
4	1,041	1,082	1,126	1,170	1,216	1,262	1,311	1,360	1,412	1,464	1,518	1,574	1,630	1,689	1,749	1,811	2,074	2,441	2,856
5	1,051	1,104	1,159	1,217	1,276	1,338	1,403	1,469	1,539	1,611	1,685	1,762	1,842	1,925	2,011	2,100	2,488	3,052	3,713
6	1,062	1,126	1,194	1,265	1,340	1,419	1,501	1,587	1,677	1,772	1,870	1,974	2,082	2,195	2,313	2,436	2,986	3,815	4,827
7	1,072	1,149	1,230	1,316	1,407	1,504	1,606	1,714	1,828	1,949	2,076	2,211	2,353	2,502	2,660	2,826	3,583	4,768	6,275
8	1,083	1,172	1,267	1,369	1,477	1,594	1,718	1,851	1,993	2,144	2,305	2,476	2,658	2,853	3,059	3,278	4,300	5,960	8,157
9	1,094	1,195	1,305	1,423	1,551	1,689	1,838	1,999	2,172	2,358	2,558	2,773	3,004	3,252	3,518	3,803	5,160	7,451	10,60
10	1,105	1,219	1,344	1,480	1,629	1,791	1,967	2,159	2,367	2,594	2,839	3,106	3,395	3,707	4,046	4,411	6,192	9,313	13,79
11	1,116	1,243	1,384	1,539	1,710	1,898	2,105	2,332	2,580	2,853	3,152	3,479	3,836	4,226	4,652	5,117	7,430	11,64	17,92
12	1,127	1,268	1,426	1,601	1,796	2,012	2,252	2,518	2,813	3,138	3,498	3,896	4,335	4,818	5,350	5,936	8,916	14,55	23,30
13	1,138	1,294	1,469	1,665	1,886	2,133	2,410	2,720	3,066	3,452	3,883	4,363	4,898	5,492	6,153	6,886	10,70	18,19	30,29
14	1,149	1,319	1,513	1,732	1,980	2,261	2,579	2,937	3,342	3,797	4,310	4,887	5,535	6,261	7,076	7,988	12,84	22,74	39,37
15	1,161	1,346	1,558	1,801	2,079	2,397	2,759	3,172	3,642	4,177	4,785	5,474	6,254	7,138	8,137	9,266	15,41	28,42	51,19
16	1,173	1,373	1,605	1,873	2,183	2,540	2,952	3,426	3,970	4,595	5,311	6,130	7,067	8,137	9,358	10,75	18,49	35,53	66,54
17	1,184	1,400	1,653	1,948	2,292	2,693	3,159	3,700	4,328	5,054	5,895	6,866	7,986	9,276	10,76	12,47	22,19	44,41	86,50
18	1,196	1,428	1,702	2,026	2,407	2,854	3,380	3,996	4,717	5,560	6,544	7,690	9,024	10,58	12,38	14,46	26,62	55,51	112,5
19	1,208	1,457	1,754	2,107	2,527	3,026	3,617	4,316	5,142	6,116	7,263	8,613	10,20	12,06	14,23	16,78	31,95	69,39	146,2
20	1,220	1,486	1,806	2,191	2,653	3,207	3,870	4,661	5,604	6,727	8,062	9,646	11,52	13,74	16,37	19,46	38,34	86,74	190,0
21	1,232	1,516	1,860	2,279	2,786	3,400	4,141	5,034	6,109	7,400	8,949	10,80	13,02	15,67	18,82	22,57	46,01	108,4	247,1
22	1,245	1,546	1,916	2,370	2,925	3,604	4,430	5,437	6,659	8,140	9,934	12,10	14,71	17,86	21,64	26,19	55,21	135,5	321,2
23	1,257	1,577	1,974	2,465	3,072	3,820	4,741	5,871	7,258	8,954	11,03	13,55	16,63	20,36	24,89	30,38	66,25	169,4	417,5
24	1,270	1,608	2,033	2,563	3,225	4,049	5,072	6,341	7,911	9,850	12,24	15,18	18,79	23,21	28,63	35,24	79,50	211,8	542,8
25	1,282	1,641	2,094	2,666	3,386	4,292	5,427	6,848	8,623	10,83	13,59	17,00	21,23	26,46	32,92	40,87	95,40	264,7	705,6
30	1,348	1,811	2,427	3,243	4,322	5,743	7,612	10,06	13,27	17,45	22,89	29,96	39,12	50,95	66,21	85,85	237,4	807,8	2620
35	1,417	2,000	2,814	3,946	5,516	7,686	10,68	14,79	20,41	28,10	38,57	52,80	72,07	98,10	133,2	180,3	590,7	2465	9728
40	1,489	2,208	3,262	4,801	7,040	10,29	14,97	21,72	31,41	45,26	65,00	93,05	132,8	188,9	267,9	378,7	1470	7523	36119
45	1,565	2,438	3,782	5,841	8,985	13,76	21,00	31,92	48,33	72,89	109,5	164,0	244,6	363,7	538,8	795,4	3657	22959	.
50	1,645	2,692	4,384	7,107	11,47	18,42	29,46	46,90	74,36	117,4	184,6	289,0	450,7	700,2	1084	1671	9100	70065	.

* FVIF - 99999

Table B Future-Value Interest Factors for a R1 annuity compounded at k per cent for n Periods

Factors not included in this table may be calculated by means of the following equation:

$$FVIFA = \sum_{t=1}^n (1 + k)^{t-1}$$

n	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	20%	25%	30%
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	2.010	2.020	2.030	2.040	2.050	2.060	2.070	2.080	2.090	2.100	2.110	2.120	2.130	2.140	2.150	2.160	2.200	2.250	2.300
3	3.030	3.060	3.091	3.122	3.153	3.184	3.215	3.246	3.278	3.310	3.342	3.374	3.407	3.440	3.473	3.506	3.640	3.813	3.990
4	4.060	4.122	4.184	4.246	4.310	4.375	4.440	4.506	4.573	4.641	4.710	4.779	4.850	4.921	4.993	5.066	5.368	5.766	6.187
5	5.101	5.204	5.309	5.416	5.526	5.637	5.751	5.867	5.985	6.105	6.228	6.353	6.480	6.610	6.742	6.877	7.442	8.207	9.043
6	6.152	6.308	6.468	6.633	6.802	6.975	7.153	7.336	7.523	7.716	7.913	8.115	8.323	8.536	8.754	8.977	9.930	11,259	12,756
7	7.214	7.434	7.662	7.898	8.142	8.394	8.654	8.923	9.200	9.487	9.783	10.089	10.405	10.730	11.067	11.414	12,916	15,073	17,583
8	8.286	8.583	8.892	9.214	9.549	9.897	10.26	10.64	11.03	11.44	11.86	12.30	12.76	13.23	13.73	14.24	16.50	19.84	23.86
9	9.369	9.755	10.16	10.58	11.03	11.49	11.98	12.49	13.02	13.58	14.16	14.78	15.42	16.09	16.79	17.52	20.80	25.80	32.01
10	10.46	10.95	11.46	12.01	12.58	13.18	13.82	14.49	15.19	15.94	16.72	17.55	18.42	19.34	20.30	21.32	25.96	33.25	42.62
11	11.57	12.17	12.81	13.49	14.21	14.97	15.78	16.65	17.56	18.53	19.56	20.65	21.81	23.04	24.35	25.73	32.15	42.57	56.41
12	12.68	13.41	14.19	15.03	15.92	16.87	17.89	18.98	20.14	21.38	22.71	24.13	25.65	27.27	29.00	30.85	39.58	54.21	74.33
13	13.81	14.68	15.62	16.63	17.71	18.88	20.14	21.50	22.95	24.52	26.21	28.03	29.98	32.09	34.35	36.79	48.50	68.76	97.63
14	14.95	15.97	17.09	18.29	19.60	21.02	22.55	24.21	26.02	27.97	30.09	32.39	34.88	37.58	40.50	43.67	59.20	86.95	127.9
15	16.10	17.29	18.60	20.02	21.58	23.28	25.13	27.15	29.36	31.77	34.41	37.28	40.42	43.84	47.58	51.66	72.04	109.7	167.3
16	17.26	18.64	20.16	21.82	23.66	25.67	27.89	30.32	33.00	35.95	39.19	42.75	46.67	50.98	55.72	60.93	87.44	138.1	218.5
17	18.43	20.01	21.76	23.70	25.84	28.21	30.84	33.75	36.97	40.54	44.50	48.88	53.74	59.12	65.08	71.67	105.9	173.6	285.0
18	19.61	21.41	23.41	25.65	28.13	30.91	34.00	37.45	41.30	45.60	50.40	55.75	61.73	68.39	75.84	84.14	128.1	218.0	371.5
19	20.81	22.84	25.12	27.67	30.54	33.76	37.38	41.45	46.02	51.16	56.94	63.44	70.75	78.97	88.21	98.60	154.7	273.6	484.0
20	22.02	24.30	26.87	29.78	33.07	36.79	41.00	45.76	51.16	57.27	64.20	72.05	80.95	91.02	102.4	115.4	186.7	342.9	630.2
21	23.24	25.78	28.68	31.97	35.72	39.99	44.87	50.42	56.76	64.00	72.27	81.70	92.47	104.8	118.8	134.8	225.0	429.7	820.2
22	24.47	27.30	30.54	34.25	38.51	43.39	49.01	55.46	62.87	71.40	81.21	92.50	105.5	120.4	137.6	157.4	271.0	538.1	1067
23	25.72	28.84	32.45	36.62	41.43	47.00	53.44	60.89	69.53	79.54	91.15	104.6	120.2	138.3	159.3	183.6	326.2	673.6	1388
24	26.97	30.42	34.43	39.08	44.50	50.82	58.18	66.76	76.79	88.50	102.2	118.2	136.8	158.7	184.2	214.0	392.5	843.0	1806
25	28.24	32.03	36.46	41.65	47.73	54.86	63.25	73.11	84.70	98.35	114.4	133.3	155.6	181.9	212.8	249.2	472.0	1055	2349
30	34.78	40.57	47.58	56.08	66.44	79.06	94.46	113.3	136.3	164.5	199.0	241.3	293.2	356.8	434.7	530.3	1182	3227	8730
35	41.66	49.99	60.46	73.65	90.32	111.4	138.2	172.3	215.7	271.0	341.6	431.7	546.7	693.6	881.2	1121	2948	9857	32423
40	48.89	60.40	75.40	95.03	120.8	154.8	199.6	259.1	337.9	442.6	581.8	767.1	1014	1342	1779	2361	7344	30089	.
45	56.48	71.89	92.72	121.0	159.7	212.7	285.7	386.5	525.9	718.9	986.6	1358	1874	2591	3585	4965	18281	91831	.
50	64.46	84.58	112.8	152.7	209.3	290.3	406.5	573.8	815.1	1164	1669	2400	3460	4995	7218	10436	45497	.	.

Table C Present-Value Interest Factors for P_1 Discounted at k per cent
for n Periods

Factors not included in this table may be calculated by means of the following equation:

$$PVIF = \frac{1}{(1 + k)^n}$$

n	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	20%	25%	30%
1	0.990	0.980	0.971	0.962	0.952	0.943	0.935	0.926	0.917	0.909	0.901	0.893	0.885	0.877	0.870	0.862	0.833	0.800	0.769
2	0.980	0.961	0.943	0.925	0.907	0.890	0.873	0.857	0.842	0.826	0.812	0.797	0.783	0.769	0.756	0.743	0.694	0.640	0.592
3	0.971	0.942	0.915	0.889	0.864	0.840	0.816	0.794	0.772	0.751	0.731	0.712	0.693	0.675	0.658	0.641	0.579	0.512	0.455
4	0.961	0.924	0.888	0.855	0.823	0.792	0.763	0.735	0.708	0.683	0.659	0.636	0.613	0.592	0.572	0.552	0.482	0.410	0.350
5	0.951	0.906	0.863	0.822	0.784	0.747	0.713	0.681	0.650	0.621	0.593	0.567	0.543	0.519	0.497	0.476	0.402	0.328	0.269
6	0.942	0.888	0.837	0.790	0.746	0.705	0.666	0.630	0.596	0.564	0.535	0.507	0.480	0.456	0.432	0.410	0.335	0.262	0.207
7	0.933	0.871	0.813	0.760	0.711	0.665	0.623	0.583	0.547	0.513	0.482	0.452	0.425	0.400	0.376	0.354	0.279	0.210	0.159
8	0.923	0.853	0.789	0.731	0.677	0.627	0.582	0.540	0.502	0.467	0.434	0.404	0.376	0.351	0.327	0.305	0.233	0.168	0.123
9	0.914	0.837	0.766	0.703	0.645	0.592	0.544	0.500	0.460	0.424	0.391	0.361	0.333	0.308	0.284	0.263	0.194	0.134	0.094
10	0.905	0.820	0.744	0.676	0.614	0.558	0.508	0.463	0.422	0.386	0.352	0.322	0.295	0.270	0.247	0.227	0.162	0.107	0.073
11	0.896	0.804	0.722	0.650	0.585	0.527	0.475	0.429	0.388	0.350	0.317	0.287	0.261	0.237	0.215	0.195	0.135	0.086	0.056
12	0.887	0.788	0.701	0.625	0.557	0.497	0.444	0.397	0.356	0.319	0.286	0.257	0.231	0.208	0.187	0.168	0.112	0.069	0.043
13	0.879	0.773	0.681	0.601	0.530	0.469	0.415	0.368	0.326	0.290	0.258	0.229	0.204	0.182	0.163	0.145	0.093	0.055	0.033
14	0.870	0.758	0.661	0.577	0.505	0.442	0.388	0.340	0.299	0.263	0.232	0.205	0.181	0.160	0.141	0.125	0.078	0.044	0.025
15	0.861	0.743	0.642	0.555	0.481	0.417	0.362	0.315	0.275	0.239	0.209	0.183	0.160	0.140	0.123	0.108	0.065	0.035	0.020
16	0.853	0.728	0.623	0.534	0.458	0.394	0.339	0.292	0.252	0.218	0.188	0.163	0.141	0.123	0.107	0.093	0.054	0.028	0.015
17	0.844	0.714	0.605	0.513	0.436	0.371	0.317	0.270	0.231	0.198	0.170	0.146	0.125	0.108	0.093	0.080	0.045	0.023	0.012
18	0.836	0.700	0.587	0.494	0.416	0.350	0.296	0.250	0.212	0.180	0.153	0.130	0.111	0.095	0.081	0.069	0.038	0.018	0.009
19	0.828	0.686	0.570	0.475	0.396	0.331	0.277	0.232	0.194	0.164	0.138	0.116	0.098	0.083	0.070	0.060	0.031	0.014	0.007
20	0.820	0.673	0.554	0.456	0.377	0.312	0.258	0.215	0.178	0.149	0.124	0.104	0.087	0.073	0.061	0.051	0.026	0.012	0.005
21	0.811	0.660	0.538	0.439	0.359	0.294	0.242	0.199	0.164	0.135	0.112	0.093	0.077	0.064	0.053	0.044	0.022	0.009	0.004
22	0.803	0.647	0.522	0.422	0.342	0.278	0.226	0.184	0.150	0.123	0.101	0.083	0.068	0.056	0.046	0.038	0.018	0.007	0.003
23	0.795	0.634	0.507	0.406	0.326	0.262	0.211	0.170	0.138	0.112	0.091	0.074	0.060	0.049	0.040	0.033	0.015	0.006	0.002
24	0.788	0.622	0.492	0.390	0.310	0.247	0.197	0.158	0.126	0.102	0.082	0.066	0.053	0.043	0.035	0.028	0.013	0.005	0.002
25	0.780	0.610	0.478	0.375	0.295	0.233	0.184	0.146	0.116	0.092	0.074	0.059	0.047	0.038	0.030	0.024	0.010	0.004	0.001
30	0.742	0.552	0.412	0.308	0.231	0.174	0.131	0.099	0.075	0.057	0.044	0.033	0.026	0.020	0.015	0.012	0.004	0.001	*
35	0.706	0.500	0.355	0.253	0.181	0.130	0.094	0.068	0.049	0.036	0.026	0.019	0.014	0.010	0.008	0.006	0.002	*	*
40	0.672	0.453	0.307	0.208	0.142	0.097	0.067	0.046	0.032	0.022	0.015	0.011	0.008	0.005	0.004	0.003	0.001	*	*
45	0.639	0.410	0.264	0.171	0.111	0.073	0.048	0.031	0.021	0.014	0.009	0.006	0.004	0.003	0.002	0.001	0.000	*	*
50	0.608	0.372	0.228	0.141	0.087	0.054	0.034	0.021	0.013	0.009	0.005	0.003	0.002	0.001	0.001	0.001	*	*	*


* PVIF = .000 when rounded to three decimal places.

Table D Present-Value Interest Factors for a R1 annuity discounted at k per cent for n Periods

Factors not included in this table may be calculated by means of the following equation:

$$PVIFA = \sum_{t=1}^n \frac{1}{(1+k)^t}$$

n	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	20%	25%	30%
1	0,990	0,980	0,971	0,962	0,952	0,943	0,935	0,926	0,917	0,909	0,901	0,893	0,885	0,877	0,870	0,862	0,833	0,800	0,769
2	1,970	1,942	1,913	1,886	1,859	1,833	1,808	1,783	1,759	1,736	1,713	1,690	1,668	1,647	1,626	1,605	1,528	1,440	1,361
3	2,941	2,884	2,829	2,775	2,723	2,673	2,624	2,577	2,531	2,487	2,444	2,402	2,361	2,322	2,283	2,246	2,106	1,952	1,816
4	3,902	3,808	3,717	3,630	3,546	3,465	3,387	3,312	3,240	3,170	3,102	3,037	2,974	2,914	2,855	2,798	2,589	2,362	2,166
5	4,853	4,713	4,580	4,452	4,329	4,212	4,100	3,993	3,890	3,791	3,696	3,605	3,517	3,433	3,352	3,274	2,991	2,689	2,436
6	5,795	5,601	5,417	5,242	5,076	4,917	4,767	4,623	4,486	4,355	4,231	4,111	3,998	3,889	3,784	3,685	3,326	2,951	2,643
7	6,728	6,472	6,230	6,002	5,786	5,582	5,389	5,206	5,033	4,868	4,712	4,564	4,423	4,288	4,160	4,039	3,605	3,161	2,802
8	7,652	7,325	7,020	6,733	6,463	6,210	5,971	5,747	5,535	5,335	5,146	4,968	4,799	4,639	4,487	4,344	3,837	3,329	2,925
9	8,566	8,162	7,786	7,435	7,108	6,802	6,515	6,247	5,995	5,759	5,537	5,328	5,132	4,946	4,772	4,607	4,031	3,463	3,019
10	9,471	8,983	8,530	8,111	7,722	7,360	7,024	6,710	6,418	6,145	5,889	5,650	5,426	5,216	5,019	4,833	4,192	3,571	3,092
11	10,37	9,787	9,253	8,760	8,306	7,887	7,499	7,139	6,805	6,495	6,207	5,938	5,687	5,453	5,234	5,029	4,327	3,656	3,147
12	11,26	10,58	9,954	9,385	8,863	8,384	7,943	7,536	7,161	6,814	6,492	6,194	5,918	5,660	5,421	5,197	4,439	3,725	3,190
13	12,13	11,35	10,63	9,986	9,394	8,853	8,358	7,904	7,487	7,103	6,750	6,424	6,122	5,842	5,583	5,342	4,533	3,780	3,223
14	13,00	12,11	11,30	10,56	9,899	9,295	8,745	8,244	7,786	7,367	6,982	6,628	6,302	6,002	5,724	5,468	4,611	3,824	3,249
15	13,87	12,85	11,94	11,12	10,38	9,712	9,108	8,559	8,061	7,606	7,191	6,811	6,462	6,142	5,847	5,575	4,675	3,859	3,268
16	14,72	13,58	12,56	11,65	10,84	10,11	9,447	8,851	8,313	7,824	7,379	6,974	6,604	6,265	5,954	5,668	4,730	3,887	3,283
17	15,56	14,29	13,17	12,17	11,27	10,48	9,763	9,122	8,544	8,022	7,549	7,120	6,729	6,373	6,047	5,749	4,775	3,910	3,295
18	16,40	14,99	13,75	12,66	11,69	10,83	10,06	9,372	8,756	8,201	7,702	7,250	6,840	6,467	6,128	5,818	4,812	3,928	3,304
19	17,23	15,68	14,32	13,13	12,09	11,16	10,34	9,604	8,950	8,365	7,839	7,366	6,938	6,550	6,198	5,877	4,843	3,942	3,311
20	18,05	16,35	14,88	13,59	12,46	11,47	10,59	9,818	9,129	8,514	7,963	7,469	7,025	6,623	6,259	5,929	4,870	3,954	3,316
21	18,85	17,01	15,42	14,03	12,82	11,76	10,84	10,02	9,292	8,649	8,075	7,562	7,102	6,687	6,312	5,973	4,891	3,963	3,320
22	19,65	17,66	15,94	14,45	13,16	12,04	11,06	10,20	9,442	8,772	8,176	7,645	7,170	6,743	6,359	6,011	4,909	3,970	3,323
23	20,45	18,29	16,44	14,86	13,49	12,30	11,27	10,37	9,580	8,883	8,266	7,718	7,230	6,792	6,399	6,044	4,925	3,976	3,325
24	21,24	18,91	16,94	15,25	13,80	12,55	11,47	10,53	9,707	8,985	8,348	7,784	7,283	6,835	6,434	6,073	4,937	3,981	3,327
25	22,02	19,52	17,41	15,62	14,09	12,78	11,65	10,67	9,823	9,077	8,422	7,843	7,330	6,873	6,464	6,097	4,948	3,985	3,329
30	25,81	22,40	19,60	17,29	15,37	13,76	12,41	11,26	10,27	9,427	8,694	8,055	7,496	7,003	6,566	6,177	4,979	3,995	3,332
35	29,41	25,00	21,49	18,66	16,37	14,50	12,95	11,65	10,57	9,644	8,855	8,176	7,586	7,070	6,617	6,215	4,992	3,998	3,333
40	32,83	27,36	23,11	19,79	17,16	15,05	13,33	11,92	10,76	9,779	8,951	8,244	7,634	7,105	6,642	6,233	4,997	3,999	3,333
45	36,09	29,49	24,52	20,72	17,77	15,46	13,61	12,11	10,88	9,863	9,008	8,283	7,661	7,123	6,654	6,242	4,999	4,000	3,333
50	39,20	31,42	25,73	21,48	18,25	15,76	13,80	12,23	10,96	9,915	9,042	8,304	7,675	7,133	6,661	6,246	4,999	4,000	3,333

 18/10/2022