

**SULIT**



**KEMENTERIAN PENDIDIKAN TINGGI  
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI**

**BAHAGIAN PEPERIKSAAN DAN PENILAIAN  
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI  
KEMENTERIAN PENDIDIKAN TINGGI**

**JABATAN PERDAGANGAN**

**PEPERIKSAAN AKHIR**

**SESI II : 2022/2023**

**DPD40093: FINANCIAL MANAGEMENT FROM ISLAMIC  
PERSPECTIVE**

**TARIKH : 14 JUN 2023**

**MASA : 8.30 PG – 10.30 PG (2 JAM)**

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Kertas ini mengandungi **LAPAN (8)** halaman bercetak.

Struktur (4 soalan)

Dokumen sokongan yang disertakan : Formula dan Jadual PVIF/PVIFA

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**JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIARAHKAN**

(CLO yang tertera hanya sebagai rujukan)

**SULIT**

**INSTRUCTION:**

This section consists of **FOUR (4)** structured questions. Answer **ALL** questions.

**ARAHAN:**

*Bahagian ini mengandungi EMPAT (4) soalan berstruktur. Jawab SEMUA soalan*

**QUESTION 1****SOALAN 1**

- CLO1 (a) Describe a company's **FIVE (5)** objectives based on Islamic and Conventional Perspective .  
*Terangkan LIMA (5) objektif syarikat daripada perspektif Islam dan Konvensional.*
- [10 marks]  
[10 markah]
- CLO2 (b) Explain **FOUR (4)** forms of dividend policy.  
*Jelaskan EMPAT (4) bentuk polisi dividen.*
- [8 marks]  
[8 markah]
- CLO1 (c) Explain the concept of Residual Dividend Policy.  
*Jelaskan konsep Polisi Dividen Baki.*
- [7 marks]  
[7 markah]

## QUESTION 2

## SOALAN 2

CLO1

- (a) Explain the importance of financial statements to the management and shareholder.

*Terangkan kepentingan penyata kewangan kepada pengurusan dan pemegang saham.*

[5 marks]

[5 markah]

CLO1

- (b) The balance sheet and income statement for the Miracle Corporation are as follows. *Kunci kira-kira dan penyata kewangan untuk Miracle Corporation adalah seperti berikut.*

**Miracle Corporation**  
**Balance Sheet For The Year Ended 2022**  
*Miracle Corporation*  
*Kunci Kira-kira pada Akhir Tahun 2022*

	RM	RM
<b>Fixed Asset/ Aset Tetap</b>		
Fixtures and Fitting/ <i>Lekapan dan Pemasangan</i>	400,000	
(-) accumulated for depreciation / <i>susut nilai terkumpul</i>	(62,000)	338,000
<b>Current Asset / Aset Semasa</b>		
Cash / <i>Tunai</i>	600,000	
Account receivable / <i>Akaun belum terima</i>	150,000	
Inventory / <i>Inventori</i>	600,000	1,350,000
<b>Total Asset / Jumlah aset</b>		1,688,000
<b>Current Liability / Liabiliti Semasa</b>		
Account Payable / <i>Akaun belum bayar</i>	360,000	
<b>Long term Liability / Liabiliti jangka panjang</b>		
Bank Loan (8%) / <i>Pinjaman bank (8%)</i>	300,000	
Equity / <i>Ekuiti</i>	1,028,000	
		1,688,000

**Income Statement For The Year Ended 31 December 2022***Penyata Pendapatan bagi Tahun Berakhir 31 Disember 2022*

	RM
Sales /Jualan	945,000
(-) cost of good sold / <i>Kos barang dijual</i>	567,000
Gross Profit / <i>Untung Kasar</i>	378,000
Operation expenses / <i>Belanja operasi</i>	225,000
Earning before interest and taxes / <i>Perolehan sebelum faedah &amp; cukai</i>	153,000
(-) interest / <i>faedah</i>	24,000
Earning before taxes / <i>Perolehan sebelum cukai</i>	129,000
Taxes (28%) / <i>Cukai</i>	36,120
Earning after taxes / <i>Perolehan selepas cukai</i>	92,880

Based on the information provided above, calculate the following ratios for the year 2021.

*Berdasarkan maklumat diatas, hitung nisbah berikut untuk tahun 2021 bagi syarikat tersebut.*

- i. Current ratio  
*Nisbah semasa*

[3 marks]

[3 markah]

- ii. Quick ratio  
*Nisbah cepat*

[3 marks]

[3 markah]

- iii. Debt ratio  
*Nisbah hutang*

[3 marks]

[3 markah]

- iv. Inventory turnover  
*Pusing ganti inventori*

[3 marks]

[3 markah]

- v. Return on asset  
*Pulangan atas aset*

[3 marks]

[3 markah]

CLO1

- (c) Based on the answer given in (b), examine each of the ratio.  
*Berdasarkan jawapan pada (b), teliti setiap nisbah tersebut.*

[5 marks]

[5 markah]

## QUESTION 3

## SOALAN 3

CLO1

- (a) Lee Ling Zha is looking for the best investment opportunity. Below is the list of stocks under her consideration. Calculate the price of each stock using Constant Growth Model.

*Lee Ling Zha sedang mencari peluang pelaburan terbaik, Berikut merupakan senarai saham di dalam pertimbangan beliau. Kira harga setiap saham menggunakan Model Pertumbuhan Malar.*

<b>Common Stock / Saham Biasa</b>	<b>Dividend Expected for Next Year / Jangkaan Dividen Tahun Hadapan</b>	<b>Constant Growth Rate / Kadar Pertumbuhan Malar</b>	<b>Required Rate of Return / Kadar Pulangan Perlu</b>
Nodion	RM 0.80	10%	12%
BHBM	RM 2.70	8%	10%
MTitan	RM 5.20	5%	15%

[10 marks]

[10 markah]

CLO1

- (b) Zus Maju Corporation has two outstanding types of Islamic bond at RM 1,000 per unit. Calculate the value of each Islamic bond if the current yield to maturity is 10%. Additional information are as follows:

*Zus Maju Corporation telah mengeluarkan dua jenis bon Islamik dengan nilai par RM 1,000 seunit. Kira nilai setiap bon Islamik jika kadar hasil kematangan semasa ialah 10%. Maklumat tambahan adalah seperti berikut:*

<b>Islamic Bond / Bon Islamik</b>	<b>Coupon Rate / Kadar Kupon</b>	<b>Maturity / Tempoh Matang</b>	<b>Market Price / Harga Pasaran</b>
I	8% semi-annually / 8% semi tahun	5 years / 5 tahun	RM 950
II	11% annually / 11% setahun	10 years / 10 tahun	RM 1,200

[15 marks]

[15 markah]

**QUESTION 4****SOALAN 4**

- CLO1 (a) Describe **FIVE (5)** objectives of cash management.  
*Huraikan LIMA (5) objektif pengurusan tunai.*
- [10 marks]  
[10 markah]
- CLO1 (b) Explain **TWO (2)** types of derivatives instruments traded in Bursa Malaysia.  
*Terangkan DUA (2) jenis instrumen derivatif yang didagangkan di Bursa Malaysia.*
- [8 marks]  
[8 markah]
- CLO1 (c) Explain **TWO (2)** players in the derivatives market.  
*Terangkan DUA (2) pemain dalam pasaran derivatif.*
- [7 marks]  
[7 markah]

**END OF QUESTION****SOALAN TAMAT**



## FORMULA

$$k = R_f + \beta (R_m - R_f)$$

$$k = [P_1 k_1] + [P_2 k_2] + \dots + [P_i k_i]$$

$$\sigma^2 = \sum P_i (k_i - k)^2$$

$$\sigma = \sqrt{\sum P_i (k_i - k)^2}$$

$$cv = \sigma / k$$

$$CR = CA/CL$$

$$QR = \frac{CA - \text{Inventory} - \text{Prepaid Exp}}{CL}$$

$$CR = \frac{\text{Cash} + \text{Cash Equivalent}}{CL}$$

$$ITO = \frac{COGS}{\text{Inventory}}$$

$$ACP = \frac{A/C \text{ Rec} \times 365 \text{ days}}{ACS}$$

$$FATO = \frac{\text{Sales}}{FA}$$

$$TATO = \frac{\text{Sales}}{TA}$$

$$DR = \frac{TL}{TA} \times 100\%$$

$$DTE = \frac{TL}{CE} \times 100\%$$

$$TIE = \frac{EBIT}{\text{Interest}}$$

$$GPM = \frac{GP}{\text{Sales}} \times 100\%$$

$$OPM = \frac{EBIT}{\text{Sales}} \times 100\%$$

$$NPM = \frac{NIACSH}{\text{Sales}} \times 100\%$$

$$ROA = \frac{NIACSH}{TA} \times 100\%$$

$$ROE = \frac{NIACSH}{CE} \times 100\%$$

$$EPS = \frac{NIACSH}{\text{No of CS}} \times 100\%$$

$$EAC = \left[ \frac{a}{(1-a)} \times \frac{360}{(c-b)} \right] \times 100\%$$

$$EOQ = \sqrt{\frac{2(S)(O)}{C}}$$

$$TIC = [(Q/2) + SS] \times C + [(S/Q) \times O]$$

$$ROP = SS + [DT \times (S/\text{Days in a year})]$$

$$AI = [EOQ/2] + SS$$

$$ANO = S / EOQ$$

$$I = \% \times AB \times T$$

$$EAC = [(I / AR) \times (1 / T)] \times 100\%$$

$$COEC = [(I + OC / AR) \times (1 / T)] \times 100\%$$

$$PP = IO / ACF$$

$$NPV = \sum FCF (PVIF, i, n) - IO$$

$$NPV = ACF (PVIFA, i, n) - IO$$

$$IRR : ACF (PVIFA, i, n) = IO$$

$$PI = \frac{ACF (PVIFA, i, n)}{IO}$$

$$PI = \frac{\sum FCF (PVIF, i, n)}{IO}$$

$$DOL = \frac{S - TVC}{EBIT}$$

$$DFL = \frac{EBIT}{EBIT - I - \left( \frac{PD}{1 - \text{Tax}} \right)}$$

$$DCL = DOL \times DFL$$

Table 1: Present Value Interest Factors for One-Dollar Discounted at  $i$  Percent for  $n$  Periods:  $PVIF_{i,n} = 1 / (1 + i)^n$

Period	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
1	0.9901	0.9804	0.9709	0.9615	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.9009	0.8929	0.8850	0.8772	0.8696	0.8621	0.8547	0.8475	0.8403	0.8333
2	0.9803	0.9612	0.9426	0.9246	0.9070	0.8900	0.8734	0.8573	0.8417	0.8264	0.8116	0.7972	0.7831	0.7695	0.7561	0.7432	0.7305	0.7182	0.7062	0.6944
3	0.9706	0.9423	0.9151	0.8890	0.8638	0.8396	0.8163	0.7938	0.7722	0.7513	0.7312	0.7118	0.6931	0.6750	0.6575	0.6407	0.6244	0.6086	0.5934	0.5787
4	0.9610	0.9238	0.8885	0.8548	0.8227	0.7921	0.7629	0.7350	0.7084	0.6830	0.6587	0.6355	0.6133	0.5921	0.5718	0.5523	0.5337	0.5158	0.4987	0.4823
5	0.9515	0.9057	0.8626	0.8219	0.7835	0.7473	0.7130	0.6806	0.6499	0.6209	0.5935	0.5674	0.5428	0.5194	0.4972	0.4761	0.4561	0.4371	0.4190	0.4029
6	0.9420	0.8880	0.8375	0.7903	0.7462	0.7050	0.6663	0.6302	0.5963	0.5645	0.5346	0.5066	0.4803	0.4556	0.4323	0.4104	0.3898	0.3704	0.3521	0.3349
7	0.9327	0.8706	0.8131	0.7599	0.7107	0.6651	0.6227	0.5835	0.5470	0.5132	0.4817	0.4523	0.4251	0.3996	0.3759	0.3538	0.3332	0.3139	0.2959	0.2791
8	0.9235	0.8535	0.7894	0.7307	0.6768	0.6274	0.5820	0.5403	0.5019	0.4665	0.4339	0.4039	0.3762	0.3506	0.3269	0.3050	0.2848	0.2660	0.2487	0.2326
9	0.9143	0.8368	0.7664	0.7026	0.6446	0.5919	0.5439	0.5002	0.4604	0.4241	0.3909	0.3606	0.3329	0.3075	0.2843	0.2630	0.2434	0.2255	0.2090	0.1938
10	0.9053	0.8203	0.7441	0.6756	0.6139	0.5584	0.5083	0.4632	0.4224	0.3855	0.3522	0.3220	0.2946	0.2697	0.2472	0.2267	0.2080	0.1911	0.1756	0.1615
11	0.8963	0.8043	0.7224	0.6496	0.5847	0.5268	0.4751	0.4289	0.3875	0.3505	0.3173	0.2875	0.2607	0.2366	0.2149	0.1954	0.1778	0.1619	0.1476	0.1346
12	0.8874	0.7885	0.7014	0.6246	0.5568	0.4970	0.4440	0.3971	0.3555	0.3186	0.2858	0.2567	0.2307	0.2076	0.1869	0.1685	0.1520	0.1372	0.1240	0.1122
13	0.8787	0.7730	0.6810	0.6006	0.5303	0.4688	0.4150	0.3677	0.3262	0.2897	0.2575	0.2292	0.2042	0.1821	0.1625	0.1452	0.1299	0.1163	0.1042	0.0935
14	0.8700	0.7579	0.6611	0.5775	0.5051	0.4423	0.3878	0.3405	0.2992	0.2633	0.2320	0.2046	0.1807	0.1597	0.1413	0.1252	0.1110	0.0985	0.0876	0.0779
15	0.8613	0.7430	0.6419	0.5553	0.4810	0.4173	0.3624	0.3152	0.2745	0.2394	0.2090	0.1827	0.1599	0.1401	0.1229	0.1079	0.0949	0.0835	0.0736	0.0649
16	0.8528	0.7284	0.6232	0.5339	0.4581	0.3936	0.3387	0.2919	0.2519	0.2176	0.1883	0.1631	0.1415	0.1229	0.1069	0.0930	0.0811	0.0708	0.0618	0.0541
17	0.8444	0.7142	0.6050	0.5134	0.4363	0.3714	0.3166	0.2703	0.2311	0.1978	0.1696	0.1456	0.1252	0.1078	0.0929	0.0802	0.0693	0.0600	0.0520	0.0451
18	0.8360	0.7002	0.5874	0.4936	0.4155	0.3503	0.2959	0.2502	0.2120	0.1799	0.1528	0.1300	0.1108	0.0946	0.0808	0.0691	0.0592	0.0508	0.0437	0.0376
19	0.8277	0.6864	0.5703	0.4746	0.3957	0.3305	0.2765	0.2317	0.1945	0.1635	0.1377	0.1161	0.0981	0.0829	0.0703	0.0596	0.0506	0.0431	0.0367	0.0313
20	0.8195	0.6730	0.5537	0.4564	0.3769	0.3118	0.2584	0.2145	0.1784	0.1486	0.1240	0.1037	0.0868	0.0728	0.0611	0.0514	0.0433	0.0365	0.0308	0.0261
21	0.8114	0.6598	0.5375	0.4388	0.3589	0.2942	0.2415	0.1987	0.1637	0.1351	0.1117	0.0926	0.0768	0.0638	0.0531	0.0443	0.0370	0.0309	0.0259	0.0217
22	0.8034	0.6468	0.5219	0.4220	0.3418	0.2775	0.2257	0.1839	0.1502	0.1228	0.1007	0.0826	0.0680	0.0560	0.0462	0.0382	0.0316	0.0262	0.0218	0.0181
23	0.7954	0.6342	0.5067	0.4057	0.3256	0.2618	0.2109	0.1703	0.1378	0.1117	0.0907	0.0738	0.0601	0.0491	0.0402	0.0329	0.0270	0.0222	0.0183	0.0151
24	0.7876	0.6217	0.4919	0.3901	0.3101	0.2470	0.1971	0.1577	0.1264	0.1015	0.0817	0.0659	0.0532	0.0431	0.0349	0.0284	0.0231	0.0188	0.0154	0.0126
25	0.7798	0.6095	0.4776	0.3751	0.2953	0.2330	0.1842	0.1460	0.1160	0.0923	0.0736	0.0588	0.0471	0.0378	0.0304	0.0245	0.0197	0.0160	0.0129	0.0105
26	0.7720	0.5976	0.4637	0.3607	0.2812	0.2198	0.1722	0.1352	0.1064	0.0839	0.0663	0.0525	0.0417	0.0331	0.0264	0.0211	0.0169	0.0135	0.0109	0.0087
27	0.7644	0.5859	0.4502	0.3468	0.2678	0.2074	0.1609	0.1252	0.0976	0.0763	0.0597	0.0469	0.0369	0.0291	0.0230	0.0182	0.0144	0.0115	0.0091	0.0073
28	0.7568	0.5744	0.4371	0.3335	0.2551	0.1956	0.1504	0.1159	0.0895	0.0693	0.0538	0.0419	0.0326	0.0255	0.0200	0.0157	0.0123	0.0097	0.0077	0.0061
29	0.7493	0.5631	0.4243	0.3207	0.2429	0.1846	0.1406	0.1073	0.0822	0.0630	0.0485	0.0374	0.0289	0.0224	0.0174	0.0135	0.0105	0.0082	0.0064	0.0051
30	0.7419	0.5521	0.4120	0.3083	0.2314	0.1741	0.1314	0.0994	0.0754	0.0573	0.0437	0.0334	0.0256	0.0196	0.0151	0.0116	0.0090	0.0070	0.0054	0.0042
31	0.7346	0.5412	0.4000	0.2965	0.2204	0.1643	0.1228	0.0920	0.0691	0.0521	0.0394	0.0298	0.0226	0.0172	0.0131	0.0100	0.0077	0.0059	0.0046	0.0035
32	0.7273	0.5306	0.3883	0.2851	0.2099	0.1547	0.1147	0.0852	0.0634	0.0474	0.0355	0.0266	0.0200	0.0151	0.0114	0.0087	0.0066	0.0050	0.0038	0.0029
33	0.7201	0.5202	0.3770	0.2741	0.1999	0.1462	0.1072	0.0789	0.0582	0.0431	0.0319	0.0238	0.0177	0.0132	0.0099	0.0075	0.0056	0.0042	0.0032	0.0024
34	0.7130	0.5100	0.3660	0.2636	0.1904	0.1379	0.1002	0.0730	0.0534	0.0391	0.0288	0.0212	0.0157	0.0116	0.0086	0.0064	0.0048	0.0036	0.0027	0.0020
35	0.7059	0.5000	0.3554	0.2534	0.1813	0.1301	0.0937	0.0676	0.0490	0.0356	0.0259	0.0189	0.0139	0.0102	0.0075	0.0055	0.0041	0.0030	0.0023	0.0017
36	0.6989	0.4902	0.3450	0.2437	0.1727	0.1227	0.0875	0.0626	0.0449	0.0323	0.0234	0.0169	0.0123	0.0089	0.0065	0.0048	0.0035	0.0026	0.0019	0.0014
37	0.6920	0.4806	0.3350	0.2343	0.1644	0.1158	0.0818	0.0580	0.0412	0.0294	0.0210	0.0151	0.0109	0.0078	0.0057	0.0041	0.0030	0.0022	0.0016	0.0012
38	0.6852	0.4712	0.3252	0.2253	0.1566	0.1092	0.0765	0.0537	0.0378	0.0267	0.0190	0.0135	0.0096	0.0069	0.0049	0.0036	0.0026	0.0019	0.0013	0.0010
39	0.6784	0.4619	0.3158	0.2166	0.1491	0.1031	0.0715	0.0497	0.0347	0.0243	0.0171	0.0120	0.0085	0.0060	0.0043	0.0031	0.0022	0.0016	0.0011	0.0008
40	0.6717	0.4529	0.3066	0.2083	0.1420	0.0972	0.0668	0.0460	0.0318	0.0221	0.0154	0.0107	0.0075	0.0053	0.0037	0.0026	0.0019	0.0013	0.0010	0.0007

Table 2: Present Value Interest Factors for a One-Dollar Annuity Discounted at  $i$  Percent for  $n$  Periods:  $PVIFA_{i,n} = [1 - 1/(1+i)^n] / i$

Period	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
1	0.9901	0.9804	0.9709	0.9615	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.9009	0.8929	0.8850	0.8772	0.8696	0.8621	0.8547	0.8475	0.8403	0.8333
2	1.9704	1.9416	1.9135	1.8861	1.8594	1.8334	1.8080	1.7833	1.7591	1.7355	1.7125	1.6901	1.6681	1.6467	1.6257	1.6052	1.5852	1.5656	1.5465	1.5278
3	2.9410	2.8839	2.8286	2.7751	2.7232	2.6730	2.6243	2.5771	2.5313	2.4869	2.4437	2.4018	2.3612	2.3216	2.2832	2.2459	2.2096	2.1743	2.1399	2.1065
4	3.9020	3.8077	3.7171	3.6299	3.5460	3.4651	3.3872	3.3121	3.2397	3.1699	3.1024	3.0373	2.9745	2.9137	2.8550	2.7982	2.7432	2.6901	2.6386	2.5887
5	4.8534	4.7135	4.5797	4.4518	4.3295	4.2124	4.1002	3.9927	3.8897	3.7908	3.6959	3.6048	3.5172	3.4331	3.3522	3.2743	3.1993	3.1272	3.0576	2.9906
6	5.7955	5.6014	5.4172	5.2421	5.0757	4.9173	4.7665	4.6229	4.4859	4.3553	4.2305	4.1114	3.9975	3.8887	3.7845	3.6847	3.5892	3.4976	3.4098	3.3255
7	6.7282	6.4720	6.2303	6.0021	5.7864	5.5824	5.3893	5.2064	5.0330	4.8684	4.7122	4.5638	4.4226	4.2883	4.1604	4.0386	3.9224	3.8115	3.7057	3.6046
8	7.6517	7.3255	7.0197	6.7327	6.4632	6.2098	5.9713	5.7466	5.5348	5.3349	5.1461	4.9676	4.7988	4.6389	4.4873	4.3436	4.2072	4.0776	3.9544	3.8372
9	8.5660	8.1622	7.7861	7.4333	7.1078	6.8017	6.5152	6.2469	5.9952	5.7590	5.5370	5.3282	5.1317	4.9464	4.7716	4.6065	4.4506	4.3030	4.1633	4.0310
10	9.4713	8.9826	8.5302	8.1109	7.7217	7.3601	7.0236	6.7101	6.4177	6.1446	5.8892	5.6502	5.4262	5.2161	5.0188	4.8332	4.6586	4.4941	4.3389	4.1925
11	10.3676	9.7868	9.2526	8.7605	8.3064	7.8869	7.4987	7.1390	6.8052	6.4951	6.2025	5.9377	5.6869	5.4527	5.2337	5.0286	4.8364	4.6560	4.4865	4.3271
12	11.2551	10.5753	9.9540	9.3851	8.8633	8.3838	7.9427	7.5361	7.1607	6.8137	6.4924	6.1944	5.9176	5.6603	5.4206	5.1971	4.9884	4.7932	4.6105	4.4392
13	12.1337	11.3484	10.6350	9.9856	9.3936	8.8527	8.3577	7.9038	7.4869	7.1034	6.7499	6.4235	6.1218	5.8424	5.5831	5.3423	5.1183	4.9095	4.7147	4.5327
14	13.0037	12.1062	11.2961	10.5631	9.8986	9.2950	8.7455	8.2442	7.7862	7.3667	6.9819	6.6282	6.3025	6.0021	5.7245	5.4675	5.2293	5.0081	4.8023	4.6106
15	13.8651	12.8493	11.9379	11.1184	10.3797	9.7122	9.1079	8.5595	8.0607	7.6061	7.1909	6.8109	6.4624	6.1422	5.8474	5.5755	5.3242	5.0916	4.8759	4.6755
16	14.7179	13.5777	12.5611	11.6523	10.8378	10.1059	9.4466	8.8514	8.3126	7.8237	7.3792	6.9740	6.6039	6.2651	5.9542	5.6685	5.4053	5.1624	4.9377	4.7296
17	15.5623	14.2919	13.1661	12.1657	11.2741	10.4773	9.7632	9.1216	8.5436	8.0216	7.5488	7.1196	6.7291	6.3729	6.0472	5.7487	5.4746	5.2223	4.9897	4.7746
18	16.3983	14.9920	13.7535	12.6593	11.6896	10.8276	10.0591	9.3719	8.7556	8.2014	7.7016	7.2497	6.8399	6.4674	6.1280	5.8178	5.5339	5.2732	5.0333	4.8122
19	17.2260	15.6785	14.3238	13.1339	12.0853	11.1581	10.3356	9.6036	8.9501	8.3649	7.8393	7.3658	6.9380	6.5504	6.1982	5.8775	5.5845	5.3162	5.0700	4.8435
20	18.0456	16.3514	14.8775	13.5903	12.4622	11.4699	10.5940	9.8181	9.1285	8.5136	7.9633	7.4694	7.0248	6.6231	6.2593	5.9288	5.6278	5.3527	5.1009	4.8696
21	18.8570	17.0112	15.4150	14.0292	12.8212	11.7641	10.8355	10.0168	9.2922	8.6487	8.0751	7.5620	7.1016	6.6870	6.3125	5.9733	5.6648	5.3837	5.1268	4.8913
22	19.6604	17.6580	15.9369	14.4511	13.1630	12.0416	11.0612	10.2007	9.4424	8.7715	8.1757	7.6446	7.1695	6.7429	6.3587	6.0113	5.6964	5.4099	5.1486	4.9094
23	20.4558	18.2922	16.4436	14.8568	13.4886	12.3034	11.2722	10.3711	9.5802	8.8832	8.2664	7.7184	7.2297	6.7921	6.3988	6.0442	5.7234	5.4321	5.1668	4.9245
24	21.2434	18.9139	16.9355	15.2470	13.7986	12.5504	11.4693	10.5288	9.7066	8.9847	8.3481	7.7843	7.2829	6.8351	6.4338	6.0726	5.7465	5.4509	5.1822	4.9371
25	22.0232	19.5235	17.4131	15.6221	14.0939	12.7834	11.6536	10.6748	9.8226	9.0770	8.4217	7.8431	7.3300	6.8729	6.4641	6.0971	5.7662	5.4669	5.1951	4.9476
26	22.7952	20.1210	17.8768	15.9828	14.3752	13.0032	11.8258	10.8100	9.9290	9.1609	8.4881	7.8957	7.3717	6.9061	6.4906	6.1182	5.7831	5.4804	5.2060	4.9563
27	23.5596	20.7069	18.3270	16.3296	14.6430	13.2105	11.9867	10.9352	10.0266	9.2372	8.5478	7.9426	7.4086	6.9352	6.5135	6.1364	5.7975	5.4919	5.2151	4.9636
28	24.3164	21.2813	18.7641	16.6631	14.8981	13.4062	12.1371	11.0511	10.1161	9.3066	8.6016	7.9844	7.4412	6.9607	6.5335	6.1520	5.8099	5.5016	5.2228	4.9697
29	25.0658	21.8444	19.1885	16.9837	15.1411	13.5907	12.2777	11.1584	10.1983	9.3696	8.6501	8.0218	7.4701	6.9830	6.5509	6.1656	5.8204	5.5098	5.2292	4.9747
30	25.8077	22.3965	19.6004	17.2920	15.3725	13.7648	12.4090	11.2578	10.2737	9.4269	8.6938	8.0552	7.4957	7.0027	6.5660	6.1772	5.8294	5.5168	5.2347	4.9789
31	26.5423	22.9377	20.0004	17.5885	15.5928	13.9291	12.5318	11.3498	10.3428	9.4790	8.7331	8.0850	7.5183	7.0199	6.5791	6.1872	5.8371	5.5277	5.2392	4.9824
32	27.2696	23.4683	20.3888	17.8736	15.8027	14.0840	12.6466	11.4350	10.4062	9.5264	8.7686	8.1116	7.5383	7.0350	6.5905	6.1959	5.8437	5.5277	5.2430	4.9854
33	27.9897	23.9886	20.7658	18.1476	16.0025	14.2302	12.7538	11.5139	10.4644	9.5694	8.8005	8.1354	7.5560	7.0482	6.6005	6.2034	5.8493	5.5320	5.2462	4.9878
34	28.7027	24.4986	21.1318	18.4112	16.1929	14.3681	12.8540	11.5869	10.5178	9.6086	8.8293	8.1566	7.5717	7.0599	6.6091	6.2098	5.8541	5.5356	5.2489	4.9898
35	29.4086	24.9986	21.4872	18.6646	16.3742	14.4982	12.9477	11.6546	10.5668	9.6442	8.8552	8.1755	7.5856	7.0700	6.6166	6.2153	5.8582	5.5386	5.2512	4.9915
36	30.1075	25.4888	21.8323	18.9083	16.5469	14.6210	13.0352	11.7172	10.6118	9.6765	8.8786	8.1924	7.5979	7.0790	6.6231	6.2201	5.8617	5.5412	5.2531	4.9929
37	30.7995	25.9695	22.1672	19.1426	16.7113	14.7368	13.1170	11.7752	10.6530	9.7059	8.8996	8.2075	7.6087	7.0868	6.6288	6.2242	5.8647	5.5434	5.2547	4.9941
38	31.4847	26.4406	22.4925	19.3679	16.8679	14.8460	13.1935	11.8289	10.6908	9.7327	8.9186	8.2210	7.6183	7.0937	6.6338	6.2278	5.8673	5.5452	5.2561	4.9951
39	32.1630	26.9026	22.8082	19.5845	17.0170	14.9491	13.2649	11.8786	10.7255	9.7570	8.9357	8.2330	7.6268	7.0997	6.6380	6.2309	5.8695	5.5468	5.2572	4.9959
40	32.8347	27.3555	23.1148	19.7928	17.1591	15.0463	13.3317	11.9246	10.7574	9.7791	8.9511	8.2438	7.6344	7.1050	6.6418	6.2335	5.8713	5.5482	5.2582	4.9966