

SULIT



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

JABATAN PERDAGANGAN

**PEPERIKSAAN AKHIR
SESI JUN 2016**

DPB5043: BUSINESS FINANCE

**TARIKH : 01 NOVEMBER 2016
MASA : 11.15 AM - 1.15 PM (2 JAM)**

Kertas ini mengandungi **SEPULUH (10)** halaman bercetak.
Struktur (4 soalan)

Dokumen sokongan yang disertakan : Jadual PVIF & PVIFA

JANGAN BUKA KERTAS SOALANINI 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 struktur. Jawab SEMUA soalan.

QUESTION 1**SOALAN 1**

CLO 1

C1

- a) Identify **FIVE (5)** financial manager responsibilities in an organization.

Nyatakan LIMA (5) tanggungjawab pengurus kewangan di dalam sesebuah organisasi

[5 marks]

[5 markah]

CLO 1

C2

- b) Explain the followings:

Jelaskan yang berikut:

- i) **TWO (2)** types of risks

DUA (2) jenis risiko

[4 marks]

[4markah]

- ii) **THREE (3)** types of investors

TIGA (3) jenis golongan pelabur

[6 marks]

[6 markah]

CLO 1
C3

- c) Assume that, you are considering investing in different economic situations for the future. The information of the situations as below.

Andaikan anda sedang mempertimbangkan pelaburan dalam keadaan ekonomi yang berbeza untuk masa hadapan. Maklumat mengenai situasi ini adalah seperti berikut.

| Economic Conditions <i>Keadaan Ekonomi</i> | Probabilities <i>Kebarangkalian</i> | Return (RM) <i>Pulangan (RM)</i> | |
|---|--|-------------------------------------|------------------------------|
| | | Project A <i>Projek A</i> | Project B <i>Projek B</i> |
| Strong growth <i>Pertumbuhan kukuh</i> | 0.6 | 3,000 | 2,500 |
| Moderate <i>Sederhana</i> | 0.2 | 2,300 | 2,100 |
| Recession <i>Kemelesetan</i> | 0.2 | 1,950 | 1,520 |

Based on the information above, calculate for each project the following matters:-

Berdasarkan maklumat di atas, kira bagi setiap projek perkara-perkara berikut:-

- i) Expected rate of return

Kadar pulangan dijangka

[4 marks]
[4 markah]

CLO1
C2

- ii) Coefficient of variation

Variasi koefisien

[5 marks]
[5 markah]

CLO1
C3

- iii) Which investment should you choose?

Pelaburan yang manakah yang patut anda pilih?

[1 mark]
[1 markah]

QUESTION 2

SOALAN 2

- a) Syarikat Kenyalang Berhad is considering investing in two mutually exclusive projects, that is, Project Enggang and Project Helang. Both projects need the same amount of initial investment of RM60, 000. The table below showed the cash flows for both projects for the period of 5 years.

Syarikat Kenyalang Berhad sedang mempertimbangkan untuk melabur di dalam dua projek saling eksklusif iaitu Projek Enggang dan Projek Helang. Kedua-dua projek memerlukan jumlah pelaburan awal sebanyak RM60, 000. Jadual di bawah menunjukkan aliran tunai bagi kedua-dua projek bagi tempoh lima tahun.

| Year / Tahun | Enggang Project <i>Projek Enggang</i> | Helang Project <i>Projek Helang</i> |
|-----------------|--|--|
| 0 | (60,000) | (60,000) |
| 1 | 20,000 | 10,000 |
| 2 | 20,000 | 15,000 |
| 3 | 20,000 | 20,000 |
| 4 | 20,000 | 25,000 |
| 5 | 20,000 | 30,000 |

You are required to calculate internal rate of return for each project.

Anda dikehendaki mengirakan kadar pulangan dalaman bagi setiap projek

[10 marks]

[10 markah]

- b) Determine the best project to be invested by the company. State your reason

Tentukan projek yang terbaik untuk dilaburkan oleh syarikat. Nyatakan alasan anda.

[5 marks]

[5 markah]

CLO1
C5

- c) The Statement of Comprehensive Income for Mario Ltd Company are as follow:

Penyata Pendapatan Keseluruhan bagi Syarikat Mario Ltd adalah seperti berikut:

| Items | RM ('000) |
|---|-----------------|
| Sales <i>Jualan</i> | 43 300 |
| (-) Variable Cost (VC) <i>(-) Kos Berubah</i> | (18 120) |
| Earning Before Fixed Costs (EBFC) <i>Pendapatan Sebelum Kos Tetap</i> | 25 180 |
| (-) Fixed cost (FC) <i>(-) Kos Tetap</i> | (12 000) |
| Earnings before Interest & Tax (EBIT) <i>Pendapatan Sebelum Belanja Faedah & Cukai</i> | 13 180 |
| (-) Interest expense <i>(-) Belanja faedah</i> | (59) |
| Earning Before Tax (EBT) <i>Pendapatan Sebelum Cukai</i> | 13 121 |
| (-) Tax (35%) <i>(-) Cukai (35%)</i> | (4 592.35) |
| Earnings After Taxes (EAT) <i>Pendapatan Selepas Cukai</i> | 8 528.65 |
| Preferred share dividend <i>Dividen saham keutamaan</i> | (1 200) |
| Net income (NI) <i>Pendapatan bersih</i> | 7 328.65 |

Using the data given, you are required to determine:

Dengan menggunakan data di atas, anda dikehendaki untuk menentukan:

- (i) Degree of Operating Leverage (DOL)

Darjah Keumpilan Operasi

[4 marks]

[4 markah]

- (ii) Degree of Financial Leverage (DFL)

Darjah Keumpilan Kewangan

[4 marks]

[4 markah]

- (iii) Degree of Combined Leverage (DCL)

Darjah Keumpilan Gabungan

[2 marks]

[2 markah]

QUESTION 3**SOALAN 3**CLO2
C1

- a) List any THREE (3) categories of financial ratios and TWO (2) main financial statements in evaluating financial ratios.

Senaraikan mana-mana TIGA (3) kategori nisbah kewangan dan DUA (2) penyata kewangan di dalam menilai nisbah kewangan.

[5 marks]

[5 markah]

CLO2
C4

- b) Anggerik Company has the following statement of the financial position ended December 31, 2014. Below are the information of Anggerik Company.

Syarkiat Anggerik mempunyai penyata kedudukan kewangan seperti berikut yang berakhir pada 31 Disember 2014. Di bawah adalah maklumat Syarikat Anggerik.

Anggerik Company**Syarikat Anngerik****Statement of Financial Position as at December 31, 2014****Penyata kedudukan kewangan pada 31 Disember 2014**

| | RM | | RM |
|---|---------|--|--------|
| Cash / Tunai | (a) | Current Liabilities / Liabiliti Semasa | (d) |
| Account Receivable / Akaun Belum Terima | 25 000 | Long Term Debt / Hutang Jangka Panjang | (e) |
| Inventory / Inventori | (b) | Common Shares / Saham Biasa | 37 500 |
| Fixed Asset / Aset Tetap | (c) | Retained Earnings / Pendapatan Tertahan | (f) |
| Total Asset / Jumlah Aset | 200 000 | Total Liabilities and Equity / Jumlah Liabiliti dan Ekuiti | (g) |

| Ratios | Company Ratio | Industry Ratio |
|---|---------------|----------------|
| Current ratio / Nisbah Semasa | 5.0 | 7 |
| Return on Asset / Pulangan atas Aset | 14% | 15% |
| Fixed asset turnover / Pusingganti Aset Tetap | 7 | 4 |
| Inventory turnover / Pusingganti Inventori | 7 | 6 |
| Net profit margin / Margin Untung Bersih | 5% | 8% |
| Debt ratio / Nisbah Hutang | 20% | 25% |

You are required to:

Anda dikehendaki untuk:

- i. Complete the financial position of the firm by fill in the blanks for a,b,c,d,e,f and g with appropriate value.

Lengkapkan posisi kewangan syarikat tersebut dengan mengisi tempat kosong bagi a,b,c,d,e,f dan g dengan nilai yang sesuai.

[16 marks]

[16markah]

- ii. Explain the financial performance of the firm according to profitability ratios and activity ratios.

Jelaskan prestasi kewangan syarikat mengikut nisbah keuntungan dan nisbah aktiviti .

[4marks]

[4markah]

QUESTION 4**SOALAN 4**CLO3
C1

- a) List **FIVE (5)** importance of inventory management to a company

Senaraikan LIMA (5) kepentingan pengurusan inventori kepada syarikat.

[5 marks]

[5 markah]

CLO3
C3

- b) AQSA Trading Sdn Bhd is considering to change its credit policy that will result in average collection period from 30 days to 2/20 net 40 days. The relaxation in credit is expected to produce increase in sales. It is estimated that 90% of its customers will take the discount offer and the rest will pay on day 40. You are given the following additional information:

AQSA Sdn Bhd sedang mempertimbangkan perubahan ke atas polisi kreditnya yang akan menghasilkan perubahan dalam masa pungutan purata daripada 30 hari kepada 2/20 bersih 40 hari. Dengan kelonggaran dalam kredit ini dijangkakan dapat meningkatkan hasil jualan. Dianggarkan bahawa 90% daripada pelanggannya akan menerima tawaran itu dan yang selebihnya akan membayar pada hari ke 40. Anda diberikan maklumat tambahan seperti di bawah:

| | |
|---|---------------------|
| Original credit sales | RM20,000,000 |
| <i>Jualan kredit asal</i> | <i>RM20,000,000</i> |
| New credit sales | RM30,000,000 |
| <i>Jualan kredit baharu</i> | <i>RM30,000,000</i> |
| Contribution margin | 25% |
| <i>Margin sumbang</i> | <i>25%</i> |
| Percentage of bad debts on additional sales | 5% |
| <i>Peratus hutang lapuk atas tambahan jualan</i> | <i>5%</i> |
| Additional inventory required | RM700,000 |
| <i>Tambahan inventori dikehendaki</i> | <i>RM 700,000</i> |
| Required rate of return on investment | 15% |
| <i>Kadar pulangan dikehendaki ke atas pelaburan</i> | <i>15%</i> |

- Assume 360-day a year

Andaian 360 hari setahun

You are required to:

Anda dikehendaki untuk:

- i. Calculate the changes in credit policy based on the information given

Kira perubahan dalam kredit polisi berdasarkan maklumat yang diberi.

[18 marks]

[18 markah]

- ii. Should changes in credit policy be implemented? Give your comment

Patutkah perubahan di dalam kredit polisi dilaksanakan? Berikan komen anda.

[2 marks]

[2 markah]

SOALAN TAMAT

Present Value and Future Value Tables

Table A-1 Future Value Interest Factors for One Dollar Compounded at k Percent for n Periods: $FVIF_{k,n} = (1 + k)^n$

| Period | 1% | 2% | 3% | 4% | 5% | 6% | 7% | 8% | 9% | 10% | 11% | 12% | 13% | 14% | 15% | 16% | 20% | 24% | 25% | 30% |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | 1.0100 | 1.0200 | 1.0300 | 1.0400 | 1.0500 | 1.0600 | 1.0700 | 1.0800 | 1.0900 | 1.1000 | 1.1100 | 1.1200 | 1.1300 | 1.1400 | 1.1500 | 1.1600 | 1.2000 | 1.2400 | 1.2500 | 1.3000 |
| 2 | 1.0201 | 1.0404 | 1.0609 | 1.0816 | 1.1025 | 1.1236 | 1.1449 | 1.1664 | 1.1881 | 1.2100 | 1.2321 | 1.2544 | 1.2769 | 1.2996 | 1.3225 | 1.3456 | 1.4400 | 1.5376 | 1.5625 | 1.6900 |
| 3 | 1.0303 | 1.0612 | 1.0927 | 1.1249 | 1.1576 | 1.1910 | 1.2250 | 1.2597 | 1.2950 | 1.3310 | 1.3676 | 1.4049 | 1.4429 | 1.4815 | 1.5209 | 1.5609 | 1.7280 | 1.9066 | 1.9531 | 2.1970 |
| 4 | 1.0406 | 1.0824 | 1.1255 | 1.1699 | 1.2155 | 1.2625 | 1.3108 | 1.3605 | 1.4116 | 1.4641 | 1.5181 | 1.5735 | 1.6305 | 1.6890 | 1.7490 | 1.8106 | 2.0736 | 2.3642 | 2.4414 | 2.8561 |
| 5 | 1.0510 | 1.1041 | 1.1593 | 1.2167 | 1.2763 | 1.3382 | 1.4026 | 1.4693 | 1.5386 | 1.6105 | 1.6881 | 1.7623 | 1.8424 | 1.9254 | 2.0114 | 2.1003 | 2.4883 | 2.9316 | 3.0518 | 3.7129 |
| 6 | 1.0615 | 1.1262 | 1.1941 | 1.2653 | 1.3401 | 1.4185 | 1.5007 | 1.5869 | 1.6771 | 1.7716 | 1.8704 | 1.9738 | 2.0820 | 2.1950 | 2.3131 | 2.4384 | 2.9860 | 3.6352 | 3.8147 | 4.8268 |
| 7 | 1.0721 | 1.1487 | 1.2299 | 1.3159 | 1.4071 | 1.5036 | 1.6058 | 1.7136 | 1.8280 | 1.9487 | 2.0762 | 2.2107 | 2.3526 | 2.5023 | 2.6604 | 2.8282 | 3.5832 | 4.5077 | 4.7684 | 6.2749 |
| 8 | 1.0829 | 1.1717 | 1.2668 | 1.3686 | 1.4775 | 1.5938 | 1.7182 | 1.8509 | 1.9924 | 2.1436 | 2.3045 | 2.4760 | 2.6584 | 2.8526 | 3.0590 | 3.2784 | 4.2998 | 5.5895 | 5.9605 | 8.1573 |
| 9 | 1.0937 | 1.1951 | 1.3048 | 1.4223 | 1.5513 | 1.6895 | 1.8385 | 1.9990 | 2.1719 | 2.3579 | 2.5580 | 2.7731 | 3.0040 | 3.2519 | 3.5179 | 3.8030 | 5.1598 | 6.9310 | 7.4506 | 10.604 |
| 10 | 1.1046 | 1.2190 | 1.3439 | 1.4802 | 1.6289 | 1.7908 | 1.9672 | 2.1589 | 2.3674 | 2.5937 | 2.8394 | 3.1058 | 3.3946 | 3.7072 | 4.0456 | 4.4114 | 6.1917 | 8.5944 | 9.3132 | 13.786 |
| 11 | 1.1157 | 1.2434 | 1.3842 | 1.5395 | 1.7103 | 1.8983 | 2.1049 | 2.3316 | 2.5804 | 2.8531 | 3.1518 | 3.4785 | 3.8359 | 4.2262 | 4.6524 | 5.1173 | 7.4301 | 10.657 | 11.642 | 17.922 |
| 12 | 1.1268 | 1.2682 | 1.4010 | 1.5795 | 2.0122 | 2.2522 | 2.5182 | 2.8127 | 3.1384 | 3.4985 | 3.8960 | 4.3345 | 4.8179 | 5.3503 | 5.9350 | 8.9161 | 13.215 | 14.552 | 23.298 | |
| 13 | 1.1381 | 1.2936 | 1.4685 | 1.6561 | 1.8856 | 2.1329 | 2.4098 | 2.7196 | 3.0658 | 3.4523 | 3.8833 | 4.3635 | 4.8980 | 5.4924 | 6.1528 | 6.8885 | 10.699 | 16.386 | 18.190 | 30.285 |
| 14 | 1.1495 | 1.3195 | 1.5126 | 1.7317 | 1.9799 | 2.2609 | 2.5785 | 2.9372 | 3.3417 | 3.7975 | 4.3104 | 4.8871 | 5.5348 | 6.2613 | 7.057 | 7.9875 | 12.839 | 20.319 | 22.737 | 39.374 |
| 15 | 1.1610 | 1.3459 | 1.5980 | 1.8009 | 2.0789 | 2.3966 | 2.7590 | 3.1722 | 3.6425 | 4.1772 | 4.7846 | 5.4736 | 6.2543 | 7.1379 | 8.1371 | 9.2655 | 15.407 | 25.196 | 28.422 | 51.186 |
| 16 | 1.1726 | 1.3728 | 1.6047 | 1.8730 | 2.1829 | 2.5404 | 2.9522 | 3.4259 | 3.9703 | 4.5950 | 5.3109 | 6.1304 | 7.0673 | 8.1372 | 9.3576 | 10.748 | 18.488 | 31.243 | 35.527 | 66.542 |
| 17 | 1.1843 | 1.4002 | 1.6528 | 1.9479 | 2.2920 | 2.6928 | 3.1588 | 3.7000 | 4.3276 | 5.0545 | 5.8951 | 6.6660 | 7.9861 | 9.2765 | 10.761 | 12.468 | 22.186 | 36.741 | 44.409 | 86.504 |
| 18 | 1.1961 | 1.4282 | 1.7024 | 2.0258 | 2.4066 | 2.8543 | 3.3799 | 3.9960 | 4.7171 | 5.5599 | 6.5436 | 7.6900 | 9.0243 | 10.575 | 12.375 | 14.463 | 26.623 | 48.039 | 55.511 | 112.455 |
| 19 | 1.2081 | 1.4568 | 1.7535 | 2.1068 | 2.5270 | 3.0256 | 3.6165 | 4.3157 | 5.1417 | 6.1159 | 7.2633 | 8.6128 | 10.197 | 12.055 | 14.232 | 16.777 | 21.948 | 59.568 | 69.389 | 146.192 |
| 20 | 1.2202 | 1.4859 | 1.8061 | 2.1911 | 2.6533 | 3.2071 | 3.8697 | 4.6610 | 5.6044 | 6.7275 | 8.0623 | 9.6463 | 11.523 | 13.743 | 16.367 | 19.461 | 38.338 | 73.864 | 86.736 | 190.050 |
| 21 | 1.2324 | 1.5157 | 1.8603 | 2.2788 | 2.7860 | 3.3996 | 4.1406 | 5.0338 | 6.1088 | 7.4002 | 8.9492 | 10.804 | 13.021 | 15.668 | 18.822 | 22.574 | 46.005 | 91.592 | 108.420 | 247.065 |
| 22 | 1.2447 | 1.5460 | 1.9161 | 2.3699 | 2.9253 | 3.6035 | 4.4304 | 5.4365 | 6.6586 | 8.1403 | 9.9336 | 12.100 | 14.714 | 17.861 | 21.645 | 26.186 | 55.206 | 113.574 | 135.525 | 321.184 |
| 23 | 1.2572 | 1.5769 | 1.9736 | 2.4647 | 3.0715 | 3.8197 | 4.7405 | 5.8715 | 7.2579 | 9.8543 | 11.026 | 13.552 | 16.627 | 20.362 | 24.891 | 30.376 | 66.247 | 140.831 | 169.407 | 417.539 |
| 24 | 1.2697 | 1.6084 | 2.0328 | 2.5633 | 3.2251 | 4.0489 | 5.0724 | 6.3412 | 7.9111 | 9.8497 | 12.239 | 15.179 | 18.788 | 23.212 | 28.625 | 35.236 | 79.497 | 174.631 | 211.758 | 542.301 |
| 25 | 1.2824 | 1.6406 | 2.0938 | 2.6658 | 3.3864 | 4.2919 | 5.4274 | 6.8485 | 8.6231 | 10.835 | 13.585 | 17.900 | 21.231 | 26.462 | 32.919 | 40.874 | 95.396 | 216.542 | 264.698 | 705.641 |
| 30 | 1.3478 | 1.8114 | 2.4273 | 3.2434 | 4.3219 | 5.7435 | 7.8123 | 10.063 | 13.268 | 17.449 | 22.892 | 29.980 | 39.116 | 50.950 | 66.212 | 85.850 | 237.376 | 634.820 | 807.794 | * |
| 35 | 1.4166 | 1.9999 | 2.8139 | 3.9461 | 5.5160 | 7.6861 | 10.677 | 14.785 | 20.414 | 28.102 | 38.575 | 52.800 | 72.069 | 98.100 | 133.176 | 180.314 | 590.668 | * | * | * |
| 36 | 1.4308 | 2.0399 | 2.8993 | 4.1039 | 5.7918 | 8.1473 | 11.424 | 15.968 | 22.251 | 30.913 | 42.818 | 59.136 | 81.437 | 111.834 | 153.152 | 209.164 | 708.802 | * | * | * |
| 40 | 1.4489 | 2.2080 | 3.2620 | 4.8010 | 7.0400 | 10.286 | 14.974 | 21.725 | 31.409 | 45.259 | 55.001 | 93.051 | 132.782 | 188.884 | 267.864 | 378.721 | * | * | * | |
| 50 | 1.6446 | 2.6916 | 4.3839 | 7.1067 | 11.467 | 18.420 | 29.457 | 46.902 | 74.358 | 117.391 | 184.565 | 289.002 | 450.736 | 700.233 | * | * | * | * | * | * |

Present Value and Future Value Tables

Table A-3 Present Value Interest Factors for One Dollar Discounted at k Percent for n Periods: $PVIF_{k,n} = 1 / (1 + k)^n$

| Period | 1% | 2% | 3% | 4% | 5% | 6% | 7% | 8% | 9% | 10% | 11% | 12% | 13% | 14% | 15% | 16% | 20% | 24% | 25% | 30% |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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