THE OPEN UNIVERSITY OF SRI LANKA
BACHELOR OF MANAGEMENT STUDIES DEGREE (BMS) - LEVEL 5
FINAL EXAMINATION 2016
PROJECT APPRAISAL - MCU 3204

DURATION: THREE (03) HOURS

DATE :	**09.07.2016**	**TIME : 1.30 p.m. -4.30 p.m.**

Instructions: (I) Answer **Question 1 (compulsory) and any THREE (03)** from others.
(II) Use of non-programmable calculators is allowed.
(III) A PV table is attached herewith.

1. Beta Manufacturing PLC. is planning to invest in one project. They have got two projects for consideration, Project A and Project B, with unequal life spans. Shown below are the net cash flows associated with each project.

	Cash Flow (Rs. '000s)	
Period	Project A	Project B
0	-60,000	-110,000
1	20,000	30,000
2	20,000	25,000
3	25,000	60,000
4	25,000	

In addition to the above cash flows, commencement of Project A and Project B requires an increase in working capital of Rs.7.0 million and Rs. 6.0 million, respectively.

The opportunity cost of capital for project A is 14 percent. The opportunity cost of capital for project B is 10 percent.

i. Select the best project based on net present value of each project. (06 Marks)

ii. Select the best project based on internal rate of return of the projects. (10 marks)

iii. Which project should be accepted in each of the following situations:

(a) The projects are mutually exclusive and there is no capital constraint. (03 marks)

(b) Beta Manufacturing PLC. expects to recover their investments before the end of third year. (05 Marks)

(c) Beta Manufacturing PLC. only prefers the projects with highest net benefit to their investment. (08 Marks)

iv. Explain the possible reasons for why the cost of capital requirement for Project A is higher than that of Project B. (03 Marks)

v. What will be the risk of making the investment decision based only the above methods in appraising these projects? Discuss. (05 Marks)

(Total= 40 Marks)

2. i. Explain the sources of project ideas for Government sector projects. Explain with suitable examples.

ii. Discuss the key differences that can be seen between public sector projects and private sector projects. Describe how the sources of ideas for new projects for private sector organizations differ with those of public sector projects.

(20 Marks)

3. i. Explain what is meant by market analysis of a project

ii Describe how a project manager, in evaluating projects, ensures market feasibility of a project. Strengthen your answer with suitable examples.

(20 Marks)

4. i. "Technological package should not necessarily be the most modern, but should be the most suitable one." Comment on this statement.

ii. Describe why it is important to focus on human resource and organizational aspects in project appraisal.

(20 Marks)

5. i What are the practical issues that can be seen in implementing public sector projects? Explain.

ii. Incomplete financial appraisal is the major reason for failures of most projects". Comment.

(20 Marks)

6. Write short notes on the following in relation to projects and project appraisal.

i. Internal sources of financing
ii. Risk of inflation
iii. Exchange rate fluctuations
iv. Externalities of a project
v. Trade agreements between countries

(4 marks each: total 20 Marks)

TABLE AI.3 Present Value of $1 Interest Rate

Number of Years	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	12%	14%	15%	16%	18%	20%	24%	28%	32%	36%
1	0.9901	0.9804	0.9709	0.9615	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.8929	0.8772	0.8696	0.8621	0.8475	0.8333	0.8065	0.7813	0.7576	0.7353
2	0.9803	0.9612	0.9426	0.9246	0.9070	0.8900	0.8734	0.8573	0.8417	0.8264	0.7972	0.7695	0.7561	0.7432	0.7182	0.6944	0.6504	0.6104	0.5739	0.5407
3	0.9706	0.9423	0.9151	0.8890	0.8638	0.8396	0.8163	0.7938	0.7722	0.7513	0.7118	0.6750	0.6575	0.6407	0.6086	0.5787	0.5245	0.4768	0.4348	0.3975
4	0.9610	0.9238	0.8885	0.8548	0.8227	0.7921	0.7629	0.7350	0.7084	0.6830	0.6355	0.5921	0.5718	0.5523	0.5158	0.4823	0.4230	0.3725	0.3294	0.2923
5	0.9515	0.9057	0.8626	0.8219	0.7835	0.7473	0.7130	0.6806	0.6499	0.6209	0.5674	0.5194	0.4972	0.4761	0.4371	0.4019	0.3411	0.2910	0.2495	0.2149
6	0.9420	0.8880	0.8375	0.7903	0.7462	0.7050	0.6663	0.6302	0.5963	0.5645	0.5066	0.4556	0.4323	0.4104	0.3704	0.3349	0.2751	0.2274	0.1890	0.1580
7	0.9327	0.8706	0.8131	0.7599	0.7107	0.6651	0.6227	0.5835	0.5470	0.5132	0.4523	0.3996	0.3759	0.3538	0.3139	0.2791	0.2218	0.1776	0.1432	0.1162
8	0.9235	0.8535	0.7894	0.7307	0.6768	0.6274	0.5820	0.5403	0.5019	0.4665	0.4039	0.3506	0.3269	0.3050	0.2660	0.2326	0.1789	0.1388	0.1085	0.0854
9	0.9143	0.8368	0.7664	0.7026	0.6446	0.5919	0.5439	0.5002	0.4604	0.4241	0.3606	0.3075	0.2843	0.2630	0.2255	0.1938	0.1443	0.1084	0.0822	0.0628
10	0.9053	0.8203	0.7441	0.6756	0.6139	0.5584	0.5083	0.4632	0.4224	0.3855	0.3220	0.2697	0.2472	0.2267	0.1911	0.1615	0.1164	0.0847	0.0623	0.0462
11	0.8963	0.8043	0.7224	0.6496	0.5847	0.5268	0.4751	0.4289	0.3875	0.3505	0.2875	0.2366	0.2149	0.1954	0.1619	0.1346	0.0938	0.0662	0.0472	0.0340
12	0.8874	0.7885	0.7014	0.6246	0.5568	0.4970	0.4440	0.3971	0.3555	0.3186	0.2567	0.2076	0.1869	0.1685	0.1372	0.1122	0.0757	0.0517	0.0357	0.0250
13	0.8787	0.7730	0.6810	0.6006	0.5303	0.4688	0.4150	0.3677	0.3262	0.2897	0.2292	0.1821	0.1625	0.1452	0.1163	0.0935	0.0610	0.0404	0.0271	0.0184
14	0.8700	0.7579	0.6611	0.5775	0.5051	0.4423	0.3878	0.3405	0.2992	0.2633	0.2046	0.1597	0.1413	0.1252	0.0985	0.0779	0.0492	0.0316	0.0205	0.0135
15	0.8613	0.7430	0.6419	0.5553	0.4810	0.4173	0.3624	0.3152	0.2745	0.2394	0.1827	0.1401	0.1229	0.1079	0.0835	0.0649	0.0397	0.0247	0.0155	0.0099
16	0.8528	0.7284	0.6232	0.5339	0.4581	0.3936	0.3387	0.2919	0.2519	0.2176	0.1631	0.1229	0.1069	0.0930	0.0708	0.0541	0.0320	0.0193	0.0118	0.0073
17	0.8444	0.7142	0.6050	0.5134	0.4363	0.3714	0.3166	0.2703	0.2311	0.1978	0.1456	0.1078	0.0929	0.0802	0.0600	0.0451	0.0258	0.0150	0.0089	0.0054
18	0.8360	0.7002	0.5874	0.4936	0.4155	0.3503	0.2959	0.2502	0.2120	0.1799	0.1300	0.0946	0.0808	0.0691	0.0508	0.0376	0.0208	0.0118	0.0068	0.0038
19	0.8277	0.6864	0.5703	0.4746	0.3957	0.3305	0.2765	0.2317	0.1945	0.1635	0.1161	0.0829	0.0703	0.0596	0.0431	0.0313	0.0168	0.0092	0.0051	0.0029
20	0.8195	0.6730	0.5537	0.4564	0.3769	0.3118	0.2584	0.2145	0.1784	0.1486	0.1037	0.0728	0.0611	0.0514	0.0365	0.0261	0.0135	0.0072	0.0039	0.0021
25	0.7798	0.6095	0.4776	0.3751	0.2953	0.2330	0.1842	0.1460	0.1160	0.0923	0.0588	0.0378	0.0304	0.0245	0.0160	0.0105	0.0046	0.0021	0.0010	0.0005
30	0.7419	0.5521	0.4120	0.3083	0.2314	0.1741	0.1314	0.0994	0.0754	0.0573	0.0334	0.0196	0.0151	0.0116	0.0070	0.0042	0.0016	0.0006	0.0002	0.0001
40	0.6717	0.4529	0.3066	0.2083	0.1420	0.0972	0.0668	0.0460	0.0318	0.0221	0.0107	0.0053	0.0037	0.0026	0.0013	0.0007	0.0002	0.0001	•	•
50	0.6080	0.3715	0.2281	0.1407	0.0872	0.0543	0.0339	0.0213	0.0132	0.0085	0.0035	0.0014	0.0009	0.0006	0.0003	0.0001	•	•	•	•
60	0.5504	0.3048	0.1697	0.0951	0.0535	0.0303	0.0173	0.0099	0.0057	0.0033	0.0011	0.0004	0.0002	0.0001	•	•	•	•	•	•