PGDM / PGDM (FINTECH) Program
TRIMESTER - VI (Batch: 2023-25)
END-TERM EXAMINATION, APRIL 2025

Course Name	Project Finance and Financial Services Market	Course Code	PF&FSM
Duration	Three Hours	Max. Marks	60

Instructions:

1. Each question carries 12 Marks.

2. Attempt any **Five** questions.

3. Question No. 2 is compulsory.

Q.1 Explain the meaning and concept of 'Financial Services'. What are the characteristics of 'Financial Services'? Discuss the different services provided by the Financial Institutions in India with the recent developments differentiating traditional and modern financial services.

(12 Marks) (CO 4,5)

Q.2 BHP Group is thinking of investing in a mining project which involves purchasing an equipment costing $55 million. The company estimates that the project would involve additional startup cost amounting to $5 million and an investment in net working capital of $3.6 million.

The company would utilize only long-term debt and common equity financing. BHP Group has further gathered the following information:

Risk-free interest rate	**6 percent**
Common Equity Beta	**1.25**
Expected Excess Return on market portfolio	**8 percent**
Expected Cost of Debt (pretax)	**10 percent**
Proportion of Debt Financing	**60 percent**
Project's Marginal Income Tax Rate	**40 percent**

The CFAT (1 through 10) are estimated to be $11 million with a net salvage value of $7.7 million. On what basis will you decide whether the project is to be undertaken by BHP Group or not. Enumerate all factors which you consider and justify your answer with calculations.

(12 Marks) (CO 2,3)

Q.3 What are the financing issues faced by large infrastructure projects in India. Based on discussion around Delhi Airport Metro Express Case, devise strategies to improve financing of large infrastructure projects in India.   **(12 Marks) (CO 1,2)**

Q.4 With reference to "IRFC- The Beginning of Green Era" Case, explain the concept of "Greenwashing". What do you think are the economic advantages of Green Bonds? What key deliberations were made in the board meeting for choosing Green Bonds over Masala Bonds?

(12 Marks) (CO 2,5)

Q.5 Explain any in detail:

a) Increasing Role of Finfluencers and SEBI crackdown measures for taming them.

(6 Marks) (CO 5)

b) Integration of AI based services for financial industry   **(6 Marks) (CO 5)**

Q6 What are the various risks with respect to PPP Projects. Discuss in detail recent RBI framework to improve regulation of financing for long term projects in infrastructure, non-infrastructure and real estate sectors.   **(12 Marks) (CO 1,3)**

TABLE 1 PRESENT VALUE OF $1

n	4%	5%	6%	7%	8%	9%	10%	12%	14%	16%	20%
1	0.961538	0.952381	0.943396	0.934579	0.925926	0.917431	0.909091	0.892857	0.877193	0.862069	0.833333
2	0.924556	0.907029	0.889996	0.873439	0.857339	0.841680	0.826446	0.797194	0.769468	0.743163	0.694444
3	0.888996	0.863838	0.839619	0.816298	0.793832	0.772183	0.751315	0.711780	0.674972	0.640658	0.578704
4	0.854804	0.822702	0.792094	0.762895	0.735030	0.708425	0.683013	0.635518	0.592080	0.552291	0.482253
5	0.821927	0.783526	0.747258	0.712986	0.680583	0.649931	0.620921	0.567427	0.519369	0.476113	0.401878
6	0.790315	0.746215	0.704961	0.666342	0.630170	0.596267	0.564474	0.506631	0.455587	0.410442	0.334898
7	0.759918	0.710681	0.665057	0.622750	0.583490	0.547034	0.513158	0.452349	0.399637	0.353830	0.279082
8	0.730690	0.676839	0.627412	0.582009	0.540269	0.501866	0.466507	0.403883	0.350559	0.305025	0.232568
9	0.702587	0.644609	0.591898	0.543934	0.500249	0.460428	0.424098	0.360610	0.307508	0.262953	0.193807
10	0.675564	0.613913	0.558395	0.508349	0.463193	0.422411	0.385543	0.321973	0.269744	0.226684	0.161506
11	0.649581	0.584679	0.526788	0.475093	0.428883	0.387533	0.350494	0.287476	0.236617	0.195417	0.134588
12	0.624597	0.556837	0.496969	0.444012	0.397114	0.355535	0.318631	0.256675	0.207559	0.168463	0.112157
13	0.600574	0.530321	0.468839	0.414964	0.367698	0.326179	0.289664	0.229174	0.182069	0.145227	0.093464
14	0.577475	0.505068	0.442301	0.387817	0.340461	0.299246	0.263331	0.204620	0.159710	0.125195	0.077887
15	0.555265	0.481017	0.417265	0.362446	0.315242	0.274538	0.239392	0.182696	0.140096	0.107927	0.064905
16	0.533908	0.458112	0.393646	0.338735	0.291890	0.251870	0.217629	0.163122	0.122892	0.093041	0.054088
17	0.513373	0.436297	0.371364	0.316574	0.270269	0.231073	0.197845	0.145644	0.107800	0.080207	0.045073
18	0.493628	0.415521	0.350344	0.295864	0.250249	0.211994	0.179859	0.130040	0.094561	0.069144	0.037561
19	0.474642	0.395734	0.330513	0.276508	0.231712	0.194490	0.163508	0.116107	0.082948	0.059607	0.031301
20	0.456387	0.376889	0.311805	0.258419	0.214548	0.178431	0.148644	0.103667	0.072762	0.051385	0.026084

TABLE 2 PRESENT VALUE OF AN ANNUITY OF $1

n	4%	5%	6%	7%	8%	9%	10%	12%	14%	16%	20%
1	0.961538	0.952381	0.943396	0.934579	0.925926	0.917431	0.909091	0.892857	0.877193	0.862069	0.833333
2	1.886095	1.859410	1.833393	1.808018	1.783265	1.759111	1.735537	1.690051	1.646661	1.605232	1.527778
3	2.775091	2.723248	2.673012	2.624316	2.577097	2.531295	2.486852	2.401831	2.321632	2.245890	2.106481
4	3.629895	3.545951	3.465106	3.387211	3.312127	3.239720	3.169865	3.037349	2.913712	2.798181	2.588735
5	4.451822	4.329477	4.212364	4.100197	3.992710	3.889651	3.790787	3.604776	3.433081	3.274294	2.990612
6	5.242137	5.075692	4.917324	4.766540	4.622880	4.485919	4.355261	4.111407	3.888668	3.684736	3.325510
7	6.002055	5.786373	5.582381	5.389289	5.206370	5.032953	4.868419	4.563757	4.288305	4.038565	3.604592
8	6.732745	6.463213	6.209794	5.971299	5.746639	5.534819	5.334926	4.967640	4.638864	4.343591	3.837160
9	7.435332	7.107822	6.801692	6.515232	6.246888	5.995247	5.759024	5.328250	4.946372	4.606544	4.030967
10	8.110896	7.721735	7.360087	7.023582	6.710081	6.417658	6.144567	5.650223	5.216116	4.833227	4.192472
11	8.760477	8.306414	7.886875	7.498674	7.138964	6.805191	6.495061	5.937699	5.452733	5.028644	4.327060
12	9.385074	8.863252	8.383844	7.942686	7.536078	7.160725	6.813692	6.194374	5.660292	5.197107	4.439217
13	9.985648	9.393573	8.852683	8.357651	7.903776	7.486904	7.103356	6.423548	5.842362	5.342334	4.532681
14	10.563123	9.898641	9.294984	8.745468	8.244237	7.786150	7.366687	6.628168	6.002072	5.467529	4.610567
15	11.118387	10.379658	9.712249	9.107914	8.559479	8.060688	7.606080	6.810864	6.142168	5.575456	4.675473
16	11.652296	10.837770	10.105895	9.446649	8.851369	8.312558	7.823709	6.973986	6.265060	5.668497	4.729561
17	12.165669	11.274066	10.477260	9.763223	9.121638	8.543631	8.021553	7.119630	6.372859	5.748704	4.774634
18	12.659297	11.689587	10.827603	10.059087	9.371887	8.755625	8.201412	7.249670	6.467420	5.817848	4.812195
19	13.133939	12.085321	11.158116	10.335595	9.603599	8.905115	8.364920	7.365777	6.550369	5.877455	4.843496
20	13.590326	12.462210	11.469921	10.594014	9.818147	9.128546	8.513564	7.469444	6.623131	5.928841	4.869580