	Sanjay Ghodawat University, Kolhapur Established under section 2(f) of UGC Act 1956 Sanjay Ghodawat University Act XL of 2017 of Govt. of Maharashtra	2020-21 EXM/P/09/01

Year and Program: **2020-21, B. Tech.**	**School of Technology**	**Department of Technology**
Course Code: UE 402.3	**Course Name:** **Finance for Engineers**	**Semester –VIII**
Day and Date: **Thursday,03.06.2021**	**End Semester Exam**	**Time:** **Max Marks: 50**

Instructions: 1. Assume suitable data wherever necessary.
2. Figures to the right indicate full marks.

	Marks	**CO's (Blooms level)**

Q.1 Attempt any two

a) Information available from accounting records Provide a basis for making many decisions of business, explain with process of recording accounting transactions? — 08 — CO1(L2)

b) Balance Sheet and income statements shows the real picture of business, explain with format of balance sheet? — 08 — CO1(L2)

c) From the following particulars of a manufacturing concern, ascertain the Prime Cost: — 08 — CO2(L3)

	Rs.
Opening stock of raw materials	20,000
Closing stock of raw materials	30,000
Purchase of raw materials	1,05,000
Import duty paid on raw material purchased	15,000
Carriage Inward	5,000
Primary packing materials	3,000
Productive wages	95,000
Opening stock of work-in-progress at prime cost	17,000
Closing stock of work-in-progress at prime cost	10,000
Hire charge paid on plant	14,000
Other chargeable expenses	6,000

Q.2 Attempt any two

a) From the details given by co ABC Ltd calculate the ratios given below — 08 — CO3(L4)

Liabilities	Rs.	Assets	Rs.
Share Capital	2,00,000	Land and Buildings	1,40,000
Profit & Loss Account	30,000	Plant and Machinery	3,50,000
General Reserve	40,000	Stock	2,00,000
12% Debentures	4,20,000	Sundry Debtors	1,00,000
Sundry Creditors	1,00,000	Bills Receivable	10,000
Bills Payable	50,000	Cash at Bank	40,000
	8,40,000		8,40,000

Calculate :
(1) Current Ratio
(2) Quick Ratio
(3) Inventory to working Capital
(4) Debt to Equity Ratio

b) From the following information find out contribution, B.E.P , margin of safety. CO3(L4)
1.Total Fixed Cost ₹10,000
2.Total Variable cost ₹15,000 08
3. Total Sales ₹30,000
4. Unit sold 10,000

c) Finance is the most significant part of any business, as entrepreneur elaborate short term and long term sources of financing of business? CO4(L3) 08

Q.3 Attempt any two

a) Calculate Pay back Period from Projects and Give comments? A company has to make choice between two Projects namely A & B. Initial Investment of Rs.1,35,000 and Rs.2,40,000 Respectively. The Annual income are as follows CO5(L4)

Year	Project A	Project B
1	-----	60000
2	30000	84000
3	132000	96000
4	84000	102000
5	84000	90000

09

b) Why do we calculate company's cost of capital? What are the uses and limitations of it? CO5(L4) 09

c) Following are the details regarding three companies X Ltd., Y Ltd. and Z Ltd.
X Ltd.:- r = 15%,Ke = 10%, E = Rs.8
Y Ltd. :-r=15%,Ke =10%, E = Rs.8
Z Ltd.:- r=10%,Ke = 10%, E = Rs.8
Calculate the value of equity share of each of the company applying Walter's model, when dividend payout ratio is: (a) 75% .You are required to offer your comments on the result. 09 CO6(L5)