



DELHI SCHOOL OF BUSINESS
By Vivekananda Institute of Professional Studies - TC

Delhi School of Business
PGDM & PGDM (FINTECH) Program
MID/END-TERM EXAMINATION, December 2023
TERM – II (Batch: 2023-25)

Course Name	Advance Excel	Course Code	
Duration	2.5 Hours	Max. Marks	60

Q.1 Alex purchased a running shopping mall for Rs.15 crore. He is expected to receive annual net cash flows (rental and other income net of expenses) of Rs.90 Lakh at end of each year for next 5 years. After 5th year, he wants to sell this mall. At what price should he sell the mall at the end of 5th Year to generate an annualized return of 12%? **(10 Marks)**

Q.2 John purchased 200 shares of ABC Ltd at \$210.35 on 10 Apr 2021. He sold half of his shares on 18-Aug 2022 at \$287.15 and remaining half on 30-July-2023 at \$375.25 per share. What is the annualized return generated by him on this investment? **(10 Marks)**

(OR)

A bank offers a savings scheme which doubles money in 4 years and 4 months. What is the annualized return being offered under this scheme? **(10 Marks)**

Q.3 A shipping company has a capacity to move 100 tons of cargo per day by air. The company charges \$250/ton for air freight. Besides the weight constraint, the company can only move 50,000 ft³ of cargo per day because of the limited volume of aircraft storage compartments. The following are the amounts of cargo are available for shipping each day:

Cargo	Weight (Tons)	Volume (ft³/Ton)
1	30	550
2	40	800
3	50	400

Maximize the revenue for the shipping company. **(20 Marks)**

1. **Q.4** The GDP per capita of various countries is included in MS Excel in the range A1:C21. You are required to write a formula to compute the following:
- Average GDP per capita of Asia, and
 - Median GDP per capita of Europe



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	A	B	C
	Region	Countries	GDP per capita
1			
2	Asia	Afghanistan	\$ 464
3	GCC	Bahrain	\$ 26,201
4	Asia	Bangladesh	\$ 1,767
5	Asia	China	\$ 14,099
6	Europe	France	\$ 39,972
7	Europe	Germany	\$ 45,738
8	Africa	Ghana	\$ 2,001
9	Asia	India	\$ 1,842
10	Europe	Italy	\$ 34,002
11	GCC	Kuwait	\$ 31,568
12	Africa	Mauritius	\$ 11,232
13	Africa	Nigeria	\$ 2,051
14	GCC	Oman	\$ 16,822
15	Asia	Pakistan	\$ 1,291
16	GCC	Qatar	\$ 68,073
17	GCC	Saudi Arabia	\$ 21,780
18	Africa	South Africa	\$ 5,868
19	Asia	Sri Lanka	\$ 3,787
20	GCC	United Arab Emirates	\$ 44,607
21	Europe	United Kingdom	\$ 42,214

(10 Marks)

(OR)

The GDP per capita of various countries is included in MS Excel in the range A1:C21. You are required to write a formula to:

- Count the number of countries with GDP per capita of more than \$30,000 and
- Generate the list of countries where GDP is below \$2,000

	A	B	C
	Region	Countries	GDP per capita
1			
2	Asia	Afghanistan	\$ 464
3	GCC	Bahrain	\$ 26,201
4	Asia	Bangladesh	\$ 1,767
5	Asia	China	\$ 14,099
6	Europe	France	\$ 39,972
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(10 Marks)

Q.5 A BC Pvt Ltd plans to trade in specialty chemicals. It is planning to buy it from China and sell it in India. The company expects to sell 20,000 kilograms of specialty chemicals in a year at a margin of 10% over purchase price. The purchase price is \$40 per kilogram. Prepare a data table to show the revenue based on different set of quantities to be sold and different set of margins over the purchase price. You may take quantities as starting with 20,000 kilograms and increase it by 1,000 kilograms till 25,000 kilograms. Further, you may take the starting margin % as 8% and increase it by 1% till 12%. (10 Marks)