Enrolment No.: ....

IIHMR UNIVERSITY

School of Digital Health

MBA Healthcare Analytics
Batch-01st (2024-2026)
First Year, Term 2, End Term Examinations, March 2025

CC – 609 Healthcare Financial Analytics

Time - 3 Hour **Maximum Marks: 50 (Minimum Marks: 20)**

Instructions to students:

- **This question paper contains 2 printed pages.**
- **Don't write anything on the Question Paper except writing your Enrolment No.**

Part A

(Maximum Marks: 5)

Q1. Choose the correct option for the following questions (1 mark each):

a. A line chart is most useful for displaying:

i. Data trends over time ii. Frequencies of categorical data
iii. Outliers in data iv. Relationships between two categorical variables

b. A boxplot is used to show:

i. The distribution of data based on quantiles
ii. The relationship between two variables
ii. The frequency distribution of data
iv. Changes in data over time

c. Cost of capital refers to:

i. dividend ii. interest
iii. required rate of return iv. Debt

d. Days sales outstanding is 30 days, days payable outstanding is 40 days and days sales inventory is 45 days. What will be the cash conversion cycle?

i. 30 days ii. 35 days
iii. 40 days iv 45 days

e. Which one of the following is a measure of risk of return on a security?

i. capital gain ii. dividend yield
iii. mean iv. variance

Enrolment No.: ....

Part B

(Maximum Marks: 15)

Answer the following questions (5 marks each):

Q2. A machine requires ₹60000 to be paid at the end of every six months for four years if the appropriate discount rate is 8%, what is a fair price for the machine?

Q3. Discuss the relevance of Signaling theory of dividends with a suitable example.

Q4. Discuss various components of time series variables. How can these affect the stationarity of the time series variables?

Part C

(Maximum Marks: 30)

Answer the following questions in detail (10 marks each):

Q5. What are the three approaches of working capital financing strategies? Discuss each of these strategies in details.

Q6. A business requires ₹9000,000 for office and equipment. The financial plan comprises of ₹3600000 loan at rate 8% interest per year, ₹2700000 of bank loan at 9% interest per year and ₹ 2700000 of owner capital. If owners' capital could earn 12% per year by investing it in the capital market. The applicable tax rate is 25%. What is the weighted average cost of capital?

Q7. What does 'financial analytics' mean? What are the different types of financial analytics, and what exact purpose do they serve? Explain using suitable examples.