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J – 4914

Reg. No. :

Name :

Fourth Semester M.Com. Degree Examination, May 2020

Elective: Finance

PAPER II: CO 242F RISK MANAGEMENT AND DERIVATIVES

(2018 Admission)

Time : 3 Hours


Max. Marks 75

SECTION – A

Answer **all** questions. Each question carries **2** marks.

1. What are Derivatives?
2. What are Options?
3. What is Speculative Risk?
4. What Risk Management?
5. Explain ERM.
6. What is Forward Contract?
7. What is Hedging?
8. What is Stock Option?
9. What is Index Futures?
10. What is Spot Contract?

(10 × 2 = 20 Marks)

P.T.O.


SECTION – B

Answer any **five** questions. Each question carries **5** marks.

11. Briefly explain the Binomial model in option pricing.
12. Define the option contract. How it is different from Forwards and Futures?
13. Explain Black and Scholes Model.
14. Differentiate between Forward and Futures.
15. What are the benefits of Risk management?
16. What is objective and subjective Risk?
17. Explain pricing by Arbitrage process.
18. Distinguish between Exchange Traded and OTC Traded Derivatives.

(5 × 5 = 25 Marks)

SECTION – C

Answer any **two** of the following questions. Each question carries **15** marks.

19. What is Swap? What are its features and Benefits?
20. Briefly discuss the relationship between risk management, compliance and audit.
21. What is Risk? What are methods of handling Risk?
22. What is mean by risk management? What are the steps involved in the process of risk management? What are the tools and techniques used for risk management?

(2 × 15 = 30 Marks)



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J – 4915

Reg. No. :

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Fourth Semester M.Com. Degree Examination, May 2020

Elective – Finance

Paper III : CO 243F ACCOUNTING STANDARDS

(2018 Admission)

Time : 3 Hours

Max. Marks : 75

SECTION – A

Answer **all** questions. Each question carries **2** mark.

1. Define Accounting Standards.
2. What is an inventory?
3. What do you mean by depreciation?
4. What is lease?
5. What is goodwill?
6. What is deferred tax?
7. What is basic EPS?
8. What is sub lease?
9. What is timing difference?
10. What is historical cost?

(10 × 2 = 20 Marks)

P.T.O.



SECTION – B

Answer any **five** questions. **Each** question carries **5** marks.

- 11 What are the objectives of Accounting Standards?
- 12 Write about disclosure of accounting policies
- 13 Write a note on different types of lease.
14. Write a note on IFRS.
- 15 What are the needs of accounting standards?
- 16 Difference between IFRS and Accounting Standards.
- 17 Differentiate between basic EPS and Dilutive EPS.
- 18 Write note on goodwill

(5 × 5 = 25 Marks)

SECTION – C

Answer **any two** questions. **Each** question carries **15** marks.

- 19 Explain about Accounting standards
- 20 Write explanatory note on AS 19.
- 21 Describe different IFRS.
- 22 Write notes on Companies Act 2013 in relation with Accounting Standards

(2 × 15 = 30 Marks)



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J – 4913

Reg. No. :

Name :

Fourth Semester M.Com. Degree Examination, May 2020

Elective: Finance

**Paper I: CO 241 W: GOODS AND SERVICE TAX AND CUSTOMS DUTY –
LAW AND PRACTICE**

(2017 Admission Onwards)

Time : 3 Hours

Max. Marks : 75

SECTION – A

Answer **all** questions. Each question carries **2** marks.

1. What is the taxable event in GST?
2. Explain Indirect Tax.
3. Write a note on Intra state supply and mention the type of GST to be levied?
4. What is customs duty?
5. Explain Composition Scheme in GST.
6. What do you mean by aggregate turnover?

P.T.O.



7. What is zero rated supply?
8. Which are the actionable claims subjected to GST?
9. What is meant by related persons in GST?
10. What is meant by 'anti-dumping duties'?

(10 × 2 = 20 Marks)

SECTION – B

Answer any **five** questions. Each question carries **5** marks.

11. State the advantages of Indirect Taxes.
12. What is the significance of finding out location of supplier and place of supply?
13. What is supply? Differentiate composite supply and mixed supply.
14. State the provisions of the GST Act in respect of compounding of offences.
15. Briefly explain the constitution and functions of GST Council.
16. What are the advantages of GST to Indian economy?
17. State the important objectives for levying Customs duty.
18. What are the documents required for Import Customs Clearance in India?

(5 × 5 = 25 Marks)

SECTION – C

Answer any **two** of the following questions. Each question carries **15** marks.

19. Briefly explain the significance of and the procedure for registration under GST.
20. What is Input Tax Credit in GST? Discuss the conditions for availing the same.
21. Explain briefly the different types of Customs duties levied in India.



22. Write short notes on the following:

- (a) GSTIN
- (b) Reverse charge mechanism
- (c) Small Taxpayer under GST
- (d) HSN Code.
- (e) E-way bill

(2 × 15 = 30 Marks)



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J – 4916

Reg. No. :

Name :

Fourth Semester M.Com. Degree Examination, May 2020

Elective–Finance/ Marketing

Paper IV : CO 244S: MANAGEMENT OPTIMIZATION TECHNIQUES

Common for Finance and Marketing

(2018 Admission)

Time : 3 Hours

Max. Marks : 75

SECTION – A

Answer **all** questions. Each question carries **2** marks.

1. Explain modelling in optimisation techniques.
2. What is Float?
3. What is a two person zero sum game?
4. What are surplus variables?
5. What is an unbalanced assignment problem?
6. Distinguish between pure and mixed strategies.
7. Write a note on North West Corner Method.
8. What is the principle of dominance?
9. What do you mean by Replacement theory?
10. What is PERT?

(10 × 2 = 20 Marks)

P.T.O.



SECTION – B

Answer **any five** questions. Each question carries **5** marks.

- 11 Discuss in brief 'duality' in Linear Programming.
- 12 Distinguish between PERT and CPM.
- 13 Outline the phases of a systematic Operations Research.
- 14 A dietician wishes to mix two types of foods in such a way that vitamin contents of the mixture contain atleast 8 units of vitamin A and 10 units of vitamin C. Food 'I' contains 2 units/kg of vitamin A and 1 unit/kg of vitamin C. Food 'H' contains 1 unit/kg of vitamin A and 2 units/kg of vitamin C. It costs Rs 50 per kg to purchase Food 'I' and Rs 70 per kg to purchase Food 'H'. Formulate this problem as a linear programming problem to minimise the cost of such a mixture.
- 15 A milk plant is considering replacement of a machine whose cost price is Rs. 12,200 and the scrap value Rs. 200. The running (maintenance and operating) costs in Rs. are found from experience to be as follows:

Year	1	2	3	4	5	6	7	8
Running cost :	200	500	800	1200	1800	2500	3200	4000

When should the machine be replaced?

- 16 Solve the following game by applying the dominance principle:

	B			
	4	2	3	6
A	3	4	7	5
	6	3	5	4

- 17 A person repairing wrist watches observes that the time spent on the wrist watches has an exponential distribution with mean 20 minutes. If the wrist watches are repaired in the order in which they come in and their arrival is Poisson with an average rate of 15 for 8-hour day, what is the repairman's expected idle time each day? On an average, how many jobs are ahead of a wrist watch just brought in?

18 Obtain IBFS for the transportation problem by North West Corner Method.

	A	B	C	D	Availability
F	4	2	7	3	250
G	3	7	5	8	450
H	9	4	3	1	500
Req.	200	400	300	300	

(5 × 5 = 25 Marks)

SECTION – C

Answer **any two** questions. Each question carries **15** marks.

19 Four different jobs can be done on four different machines and take down time costs are prohibitively high for change overs. The matrix below gives the cost in rupees of producing job on machine:

Jobs	Machines			
	M_1	M_2	M_3	M_4
J_1	32	26	35	38
J_2	27	24	26	32
J_3	28	22	25	34
J_4	10	10	16	16

How the jobs should be assigned to the various machines so that the total cost is minimized?

20.

Activity	Predecessor activity	Optimistic time estimate	Most likely time	Pessimistic time
A	–	2	5	8
B	A	2	3	4
C	A	6	8	10
D	A	2	4	6
E	B	2	6	10
F	C	6	7	8
G	D,E,F	6	8	10



- (a) Construct network diagram.
- (b) Find critical path and project duration.
- (c) Identify the critical activities.
- (c) Compute the variance and standard deviation of critical activities.

21 Solve Lpp by Simplex method.

$$\text{Max } Z = 2x_1 - x_2$$

$$\text{Sub to } 4x_1 + 3x_2 = 12$$

$$4x_1 - x_2 = 8$$

$$4x_1 - x_2 = 8$$

22. What is a transportation problem? Explain the methods used for solving a transportation problem and testing its optimality.

(2 × 15 = 30 Marks)

