



## MANIPAL UNIVERSITY

FIRST YEAR M. PHARM. DEGREE EXAMINATION - MAY 2017  
SUBJECT: REGULATORY ENVIRONMENT AND INTELLECTUAL PROPERTY RIGHTS (PAD  
601T)  
(SPECIALIZATION: PHARMACEUTICAL ADMINISTRATION)  
(2014 REGULATION)  
Thursday, May 25, 2017 (10.00 - 13.00 Hrs.)

Marks: 100

Duration: 180 mins.

**Answer ALL the questions.**

- 1) Discuss Copyrights, Trademarks and Tradeseecrets in detail. (10)
- 2) Explain various stages of filing a patent application in India. (10)
- 3) What are the various modes by which a patent infringement can be established? Explain with relevance to types of patent infringement and relevant examples. (10)
- 4) Schematically explain International and National phases of Patent Cooperation Treaty. Add a note on Budapest treaty. (10)
- 5) Discuss Hatch Waxman Act, highlighting importance to generic pharmaceutical companies. (10)
- 6) Write a detail note on various provisions of medicine regulations in UK, EU and Australia. (10)
- 7) Highlighting the importance of ICH guidelines in pharmaceutical industry, write about history and various provisions of ICH guidelines. (10)
- 8) Explain strategies involved in implementing the National Pharmaceutical Policy in India. (10)

**Write Short notes on:**

- 9A) Regulatory approval procedure for biotech products in India. (5)
- 9B) Regulatory scenario for Medical devices in India. (5)

**Write briefly on the following:**

- 10A) Data Exclusivity. (5)
- 10B) Drug Development. (5)



# MANIPAL UNIVERSITY

**FIRST YEAR M. PHARM. DEGREE EXAMINATION - MAY 2017**  
**SUBJECT: MANAGERIAL ECONOMICS AND FINANCIAL MANAGEMENT (PAD 602T)**  
**(SPECIALIZATION: PHARMACEUTICAL ADMINISTRATION)**  
**(2014 REGULATION)**  
**Saturday, May 27, 2017 (10.00 - 13.00 Hrs.)**

Marks: 100

Duration: 180 mins.

**Answer ALL the questions.**

- 1) Eon Motors Ltd issued 12% bonds of Rs.100 each redeemable after 5 years. Floatation cost was 5%. (10)  
 Assume tax @35%. Calculate the cost of bonds if it is:  
 i) Issued at par, redeemed at 10% premium  
 ii) Issued at 10% discount, redeemed at par  
 iii) Issued at 10% premium, redeemed at a premium of 20%

- 2) Journalise the following transactions: (10)  
 2014 January 1: Mr. Mohan started business with Rs. 50,000  
 January 4: Deposited Rs. 20,000 into bank  
 January 6: Rent paid Rs. 5,000  
 January 8: Machinery purchased and paid by cheque Rs. 8,000  
 January 15: Purchased goods Rs. 10,000 and paid by cash

- 3) From the following given information prepare a trading and profit and loss account of the firm showing the net profit or loss for the year ending 31<sup>st</sup> December 2015. (10)

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
Opening Stock	40000	Advertisements	12000
Purchases	100000	Office expenses	30000
Purchase returns	10000	Carriage outwards	10000
Sales	275000	Motor car	200000
Sales returns	10000	Buildings	500000
Wages	15000	Discount received	15000
Salaries of staff	40000	Discount allowed	5000

Additional Information:

- i) Closing stock Rs. 50,000  
 ii) Depreciate motor car by 10%  
 iii) Depreciate buildings by 5%  
 iv) Salary outstanding Rs 4000
- 4) Enter the following transactions in the cash A/c: (10)  
 December 01 Cash in Hand Rs. 27,500  
 December 08 Insurance Premium paid Rs. 2,000  
 December 10 Furniture purchased Rs. 6,000  
 December 14 Sold Goods for cash Rs. 16,500  
 December 18 Purchased Goods from Naman for cash Rs. 26,000  
 December 22 Cash paid to Rohini Rs. 3,200  
 December 25 Sold Goods to Kanika for cash Rs. 18,700  
 December 28 Cash Deposited into Bank Rs. 5,000  
 December 30 Rent paid Rs. 4,000  
 December 31 Salary paid Rs. 7,000

- 5) A company is considering a new project that requires an initial investment of Rs.10,00,000. The expected annual cash flows are as follows: (10)

Year	1	2	3	4	5
Cash flows (Rs.)	2,00,000	3,00,000	4,00,000	2,00,000	5,00,000

Calculate Payback period, Net Present Value and ARR. Should this project be accepted? The required rate of return is 10%.

- 6) The following is the Balance Sheet of P Ltd. as on 31-12-2002 and 2003 (10)

	2002	2003		2002	2003
Share Capital	50,000	70,000	Goodwill	6,000	4,000
Debentures	10,000	5,000	Plant	22,000	30,000
Creditors	8,000	9,000	Stock	18,000	26,000
Provision for doubtful debts	1,000	2,000	Debtors	14,000	22,000
Profit & Loss A/c	11,000	14,000	Cash	15,000	18,000
			Prelim. Exp	5,000	----
	80,000	1,00,000		80,000	1,00,000

Information:

i) Tax and dividend were paid Rs.4000 and 5000 respectively

ii) A part of the plant was sold for Rs.4000

Prepare cash flow statement.

- 7) Explain determinants of demand and add note on criteria of good forecasting method (10)
- 8) Discuss in detail cost determinants. (10)

**Write Short notes on:**

- 9A) Nature and scope of managerial economics. (5)
- 9B) Nature of capital budgeting problem. (5)

**Write briefly on the following:**

- 10A) Variants of perfect competition. (5)
- 10B) Difference between monopoly and pure competition. (5)