

MASTER OF HOSPITAL ADMINISTRATION  
FIRST SEMESTER  
PHARMACEUTICAL MANAGEMENT  
MHA – 103

**SET  
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

**(Objective)**

Marks: 20

*Choose the correct answer from the following:*

*1 × 20 = 20*

- The science which deals with the drug and their action on human body is called
  - Physiology
  - Pharmacology
  - Pathology
  - Microbiology
- The rate of absorption of a drug is affected by
  - Route of drug administration
  - Solubility of the drug
  - Site of administration
  - All of the above
- GMP ensures which of the following?
  - Quality
  - Safety
  - Efficacy
  - All
- A high level of personal hygiene should be maintained by staff working in \_\_\_\_\_ areas
  - Warehousing
  - Manufacturing
  - Both A & B
  - None of the above
- Trained person means person having \_\_\_\_\_ towards work
  - Knowledge
  - Skill
  - Attitude
  - All
- Which of the following conditions is required in storage areas to meet the environmental conditions?
  - Temperature
  - Humidity
  - Both A & B
  - None of the above
- For the storage of general product, the room temperature should be
  - 30°C
  - 40°C
  - 20°C
  - 50°C
- The term GLP is most commonly associated with the \_\_\_\_\_ industry.
  - Pharmaceutical
  - Petrochemical
  - Polymer
  - None of the above
- The EOQ of an item is calculated using the annual
  - Indirect and holding cost
  - Direct and variable cost
  - Ordering and holding cost
  - None of the above

10. Which of the following is NOT a technique of inventory control?
  - a. ABC analysis
  - b. FTMN
  - c. VED analysis
  - d. GOLF
11. ABC inventory control depends on the
  - a. Quality of materials
  - b. Cost of materials
  - c. Quantity of materials used
  - d. Annual Consumption value of materials
12. Which of the following is not a type R&D alliance?
  - a. CRAMS
  - b. ICRA
  - c. Out-licensing
  - d. In-licensing
13. Which of the following is a false statement?
  - a. Global pharmaceutical market in R&D is highly intensive
  - b. R&D expenditure of India is the highest
  - c. Cost of manufacturing in India is low
  - d. India has the highest number o FDA approved plants
14. The stock of materials kept in the stores in anticipation of future demand is also known as
  - a. Storage of materials
  - b. Stock of materials
  - c. Inventory
  - d. Raw material
15. We can reduce the materials cost by
  - a. Using systematic inventory control techniques
  - b. Ordering the materials as and when the need arises
  - c. By ordering in bulk quantities
  - d. Ordering the materials at fixed interval irrespective of the need
16. The PCI was constituted in the year
  - a. 1948
  - b. 1949
  - c. 1989
  - d. 1950
17. The pharmacy council is reconstituted every
  - a. 10 years
  - b. 15 years
  - c. 5 years
  - d. 6 years
18. The ranking of India globally in production by volume of pharmaceutical products is
  - a. 1st
  - b. 2nd
  - c. 3rd
  - d. 69th
19. India accounts for what percentage of global vaccine production
  - a. 20%
  - b. 60%
  - c. 80%
  - d. 25%
20. Which of the following is not a public sector drug company?
  - a. Hindustan Antibiotics Ltd.
  - b. Bengal Immunity
  - c. Bengal Chemicals Ltd
  - d. Sun Pharmaceutical Industries Ltd.



**(Descriptive)**

Time : 2 Hr. 30 Mins.

Marks : 50

[ Answer question no.1 & any four (4) from the rest ]

1. Discuss briefly the history of Pharma sector in India. 10
2. Explain briefly the six rights in the Consumer Protection Act, 1986 10
3. Explain the R&D scenario of India in the global pharmaceutical market. 10
4. What is inventory control? Explain ABC analysis with examples from a hospital medical store. 10
5. Discuss in details about the Drugs and Cosmetic Act 1940 and Rules 1945 10
6. Discuss in details the effects of globalization in the pharma sector in India. 10
7. What is Economic Order Quantity? Explain buffer stock and lead time in maintaining the stock for a hospital medical store. 10
8. Discuss briefly about any two of the below: 5×2=10
  - a) Good Manufacturing Practice
  - b) Narcotics Drugs & Psychotropic Substance Act 1985
  - c) LIFO and FIFO
  - d) Functions of the chief pharmacist of a hospital

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