

Exam Date &amp; Time: 31-Dec-2021 (10:00 AM - 01:00 PM)



# MANIPAL ACADEMY OF HIGHER EDUCATION

## Pharmacy Practice [PPR-BP703T]

Marks: 75

Duration: 180 mins.

### I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

- 1) The pharmacist role in Selection of drug therapy alternatives requires which of the following skills. (1)
- |               |                |                        |  |
|---------------|----------------|------------------------|--|
| 1) Motivation | 2) Inspiration | 3) Drug use evaluation | 4) Review and critique drug literature |
|---------------|----------------|------------------------|--|
- 2) Noxious and unintended, doses normally used in man for the prophylaxis, diagnosis of disease (1)
- |                     |                |                          |                       |
|---------------------|----------------|--------------------------|-----------------------|
| 1) Medication error | 2) Side effect | 3) Adverse drug reaction | 4) Adverse drug event |
|---------------------|----------------|--------------------------|-----------------------|
- 3) Narrow therapeutic index nomograms or pharmacokinetic application for monitoring drug concentration. (1)
- |                      |                                |                         |                          |
|----------------------|--------------------------------|-------------------------|--------------------------|
| 1) Therapeutic index | 2) Therapeutic drug monitoring | 3) Therapeutic approach | 4) Therapeutic sampling. |
|----------------------|--------------------------------|-------------------------|--------------------------|
- 4) For Investigational drugs which of the resources are needed. (1)
- |  |        |        |               |
|--|--------|--------|---------------|
| 1) Martindale: Complete Drug Reference | 2) USP | 3) FDA | 4) NIH Report |
|--|--------|--------|---------------|
- 5) The amount of air inhaled and exhaled at rest in PFT analysis (1)
- |                 |                        |                        |                                 |
|-----------------|------------------------|------------------------|---------------------------------|
| 1) Tidal volume | 2) Total lung capacity | 3) Slow vital capacity | 4) Functional residual capacity |
|-----------------|------------------------|------------------------|---------------------------------|
- 6) Unbiased, well referenced, and critically evaluated up to date information on any aspect of drug use (1)
- |                             |                         |                     |                       |
|-----------------------------|-------------------------|---------------------|-----------------------|
| 1) Adverse drug information | 2) Toxicity Information | 3) Drug information | 4) Poison Information |
|-----------------------------|-------------------------|---------------------|-----------------------|

7) Spontaneous reaction reporting of suspicious drug unexpectedly causing a risk situation for a patient (1)

|                      |                          |                                |                   |
|----------------------|--------------------------|--------------------------------|-------------------|
| 1) Drug Interactions | 2) Pre marketing studies | 3) Post marketing surveillance | 4) Animal studies |
|----------------------|--------------------------|--------------------------------|-------------------|

8) The primary factors that drive growth in overall drug expenditures are ..... EXCEPT (1)

|          |                |              |               |
|----------|----------------|--------------|---------------|
| 1) Price | 2) Utilization | 3) Inventory | 4) Innovation |
|----------|----------------|--------------|---------------|

9) ... is a necessary component while developing an Annual Drug Budget for a hospital EXCEPT

|                       |                          |                                   |                     |
|-----------------------|--------------------------|-----------------------------------|---------------------|
| 1) Drug purchase data | 2) Drug utilization data | 3) Workload and productivity data | 4) Vendor contracts |
|-----------------------|--------------------------|-----------------------------------|---------------------|

10) Acquisition cost is also known as.....

|                     |                   |                   |                   |
|---------------------|-------------------|-------------------|-------------------|
| 1) Procurement cost | 2) Purchase price | 3) Stocking costs | 4) Carrying costs |
|---------------------|-------------------|-------------------|-------------------|

11) Hematological studies are most likely to show a low reticulocyte count in a patient with

|                           |                    |                     |                         |
|---------------------------|--------------------|---------------------|-------------------------|
| 1) Acute hemolytic anemia | 2) Severe bleeding | 3) Aplastic anaemia | 4) Megaloblastic anemia |
|---------------------------|--------------------|---------------------|-------------------------|

12) Factors likely to cause an increase in the blood urea nitrogen (BUN) level include

|                             |                  |                           |                  |
|-----------------------------|------------------|---------------------------|------------------|
| 1) IM injection of diazepam | 2) Liver disease | 3) Chronic kidney disease | 4) Heart disease |
|-----------------------------|------------------|---------------------------|------------------|

13) Which of the following is not a harmful food-drug interaction.

|   |                                 |                          |  |
|---|---------------------------------|--------------------------|--|
| 1) Raw green salad for patient on warfarin in DVT | 2) Grape juice and cyclosporine | 3) Milk with doxycycline | 4) Omeprazole beads in applesauce in a patient with GERD |
|---|---------------------------------|--------------------------|--|

14) The maximum retail price inclusive of all taxes is printed on all the labels and containers of the medicine

|                 |                 |                    |              |
|-----------------|-----------------|--------------------|--------------|
| 1) Retail sales | 2) Price fixing | 3) Price structure | 4) Low Price |
|-----------------|-----------------|--------------------|--------------|

15) The extent to which an individual's medication -taking behavior coincides with medical advice.

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

|                        |                         |                              |                     |
|------------------------|-------------------------|------------------------------|---------------------|
| 1) Patient counselling | 2) Medication adherence | 3) Medication reconciliation | 4) Medication error |
|------------------------|-------------------------|------------------------------|---------------------|

- 16) The relationship between the extent of elevation of serum creatinine concentration and the relative decline in renal function estimated by

|                                 |                       |                     |                    |
|---------------------------------|-----------------------|---------------------|--------------------|
| 1) Cockcroft and Gault equation | 2) Quadratic equation | 3) Quantic equation | 4) Karis' equation |
|---------------------------------|-----------------------|---------------------|--------------------|

(1)

- 17) A patient who undergoes serum enzyme testing found to have increased AST level. Possible underlying cause of this abnormality include.

|                    |             |              |   |
|--------------------|-------------|--------------|---|
| 1) Viral hepatitis | 2) Diabetes | 3) Pneumonia | 4) Methyldopa induced hepatitis or Congestive heart failure |
|--------------------|-------------|--------------|---|

(1)

- 18) Potentially a very dangerous electrolyte abnormality that may require urgent intervention.

|                  |                  |                 |                 |
|------------------|------------------|-----------------|-----------------|
| 1) Hyperkalaemia | 2) Hypocalcaemia | 3) Hypokalaemia | 4) Hyponatremia |
|------------------|------------------|-----------------|-----------------|

(1)

- 19) The optimization of drug therapy, including minimizing the risk of serious drug toxicity and assessment of dosing for drugs used as prophylactic therapy.

|        |                         |                       |                             |
|--------|-------------------------|-----------------------|-----------------------------|
| 1) TDM | 2) Medical Intervention | 3) Patient counseling | 4) Medication non-adherence |
|--------|-------------------------|-----------------------|-----------------------------|

(1)

- 20) ----- used to outline key information to assist patients and their caregivers in the effective and safe use of a medicine

|                              |                                 |                       |                         |
|------------------------------|---------------------------------|-----------------------|-------------------------|
| 1) Patient medication sheets | 2) Patient information leaflets | 3) Labeling medicines | 4) Medication interview |
|------------------------------|---------------------------------|-----------------------|-------------------------|

(1)

## II Long Answers

### Answer all the questions.

- 1) Explain Adverse drug reaction reporting and management. (10)
- 2) Define purchase and inventory. Explain different inventory control methods. (10)

## III Short Answers

### Answer all the questions.

- 1) Explain responsibilities and functions of hospital pharmacist. (5)

- 2) Explain budget preparation and implementation in drug store management (5)
- 3) Explain the legal requirement for establishment and maintenance of a drug store. (5)
- 4) Explain in brief various Liver function tests with their clinical significance (5)
- 5) Define "Formulary system". Write its advantages and disadvantages. (5)
- 6) Explain role of hospital pharmacist in Investigational use of drugs. (5)
- 7) Explain various resources of drug information and storage and retrieval of information. (5)

-----End-----