

MCQ1 Clinical Pharmacy, Subject Code: BPH_E_807_T ,Final year B.Pharm Sem VIII (CBCS)

Question number	Question
1	Which of the following is the part of hospital formulary?
Alternative 1	Drug product listing
Alternative 2	Diatery information
Alternative 3	Billing information
Alternative 4	Patients information
2	Supplementary label provided by Pharmacist during patient counselling should be
Alternative 1	Concise and uncomplicated
Alternative 2	With elaborative description
Alternative 3	only mentioning side effects
Alternative 4	with medical terminologies
3	A _____ is the part of a pharmaceutical consultation that identifies and documents allergies or other serious adverse medication events
Alternative 1	medication history
Alternative 2	economic profile
Alternative 3	packaging dosage form
Alternative 4	pharmacodynamic review
4	In india patient based barrier for patient counselling is
Alternative 1	Unawareness that Pharmacist can provide drug information

Alternative 2	Counselling is not mandatory legal requirement
Alternative 3	Heavy prescription filling load on Pharmacist
Alternative 4	Lack of Privacy in Pharmacy
5	Which type of adverse drug reactions are the result of an exaggerated but otherwise normal pharmacological action of the drug at its therapeutic dose?
Alternative 1	Type A
Alternative 2	Type B
Alternative 3	Type C
Alternative 4	Type E
6	Which of the following is the mechanism of pharmacokinetic type of drug interaction?
Alternative 1	Changes in Gastric emptying rate
Alternative 2	Electrolyte Imbalance
Alternative 3	Displacement from Albumin binding site
Alternative 4	Displacement from Receptor site
7	Risk of development of haemolytic crisis due to Primaquine is more in which of the following population?
Alternative 1	Glucose-6-Phosphate dehydrogenase deficient people
Alternative 2	Glucose-6-Phosphatase dehydrogenase deficient people
Alternative 3	People between age group of 45 to 60 Years
Alternative 4	People between age group of 50 to 60 Years
8	Probenecid has which of the following effect on Penicillin?
Alternative 1	Elevated Serum Levels
Alternative 2	Decreased metabolism

Alternative 3	Increased metabolism
Alternative 4	Decreased Serum Levels
9	Which of the following effect is seen in new born baby if Pethidine is given in the late pregnancy
Alternative 1	Fetal Apnea
Alternative 2	Cranial Nerve damage
Alternative 3	Renal dysfunction
Alternative 4	Hepatotoxicity
10	Displacement of bilirubin by a sulfonamide in neonates produces which of the following ADR
Alternative 1	Kernicterus
Alternative 2	Autotoxicity
Alternative 3	Renal failure
Alternative 4	Gingivitis
11	Which one of the following drug has a higher risk of causing confusion in the geriatric patients
Alternative 1	Hypnotics
Alternative 2	Antibiotics
Alternative 3	CNS Stimulant
Alternative 4	Laxatives
12	The most accurate method for Therapeutic drug monitoring involves
Alternative 1	Measurement of medication concentrations in blood
Alternative 2	Measurement of drug efficacy
Alternative 3	Measurement of drug metabolism

Alternative 4	Measurement of renal secretion of drug
13	Identify the process in which concentrations of drug in blood is measured
Alternative 1	Therapeutic drug monitoring
Alternative 2	Efficacy
Alternative 3	Potency
Alternative 4	HRQL
14	Phase III clinical trial also known as
Alternative 1	Confirmatory Clinical trial
Alternative 2	Human Clinical Pharmacology
Alternative 3	Exploratory Clinical trial
Alternative 4	Post Marketing Surveillance
15	The comparison of bioavailability between two dosage forms is known as
Alternative 1	Bioequivalence
Alternative 2	Biopharmaceutics
Alternative 3	Chemical Equivalence
Alternative 4	Bioassay
16	The science of studying and investigating the birth defects and their etiologies is known as
Alternative 1	Teratology
Alternative 2	Carcinogenicity Evaluation
Alternative 3	Inductive study
Alternative 4	Mutagenicity Evaluation

17	In clinical trial, if volunteer wishes to discontinue the participation in trial then _____
Alternative 1	Allow the volunteer to leave the trial
Alternative 2	Punish the volunteer
Alternative 3	Threaten the volunteer
Alternative 4	Impose a penalty
18	_____ is defined as the application of epidemiological reasoning, methods and knowledge to the study of uses and effects of drug in human population.
Alternative 1	Pharmacoepidemiology
Alternative 2	Pharmacoeconomics
Alternative 3	Pharmacogenomics
Alternative 4	Pharmacokinetics
19	ISPOR stands for _____.
Alternative 1	International Society for Pharmacoeconomics and Outcomes Research
Alternative 2	International Society for Pharmacoepidemiology and Outcomes Research
Alternative 3	International Society for Pharmacology and Outcomes Research
Alternative 4	International Society for Pharmacovigilance and Outcomes Research
20	Which of the following statements represents the best definition of pharmacoeconomics?
Alternative 1	Description and analysis of the costs of drug therapy to health care systems and to society
Alternative 2	Process of identifying, measuring and comparing the costs, risks, and benefits of programs, services, or therapies and determining which alternative produces the best health outcomes for the resources invested.

Alternative 3	Putting principles, methods, and theories into practice to quantify the value of pharmacy products and services used in the real world
Alternative 4	Studies that attempt to identify, measure, and evaluate the results of health care services in general

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Question no	Question	Correct answer
1	Which of the following is the part of hospital formulary	Drug product listing
2	Supplementary label provided by Pharmacist during patient counselling should be	Concise and uncomplicated
3	A _____ is the part of a pharmaceutical consultation that identifies and documents allergies or other serious adverse medication events	medication history
4	In india patient based barrier for patient counselling is	Unawareness that Pharmacist can provide drug information
5	Which type of adverse drug reactions are the result of an exaggerated but otherwise normal pharmacological action of the drug at its therapeutic dose?	Type A
6	Which of the following is the mechanism of pharmacokinetic type of drug interaction?	Changes in Gastric emptying rate
7	Risk of development of haemolytic crisis due to Primaquine is more in which of the following population?	Glucose-6-Phosphate dehydrogenase deficient people
8	Probenecid has which of the following effect on Penicillin?	Elevated Serum Levels

9	Which of the following effect is seen in new born baby if Pethidine is given in the late pregnancy	Fetal Apnea
10	Displacement of bilirubin by a sulfonamide in neonates produces which of the following ADR	Kernicterus
11	Which one of the following drug has a higher risk of causing confusion in the geriatric patients	Hypnotics
12	The most accurate method for Therapeutic drug monitoring involves	Measurement of medication concentrations in blood
13	Identify the process in which concentrations of drug in blood is measured	Therapeutic drug monitoring
14	Phase III clinical trial also known as	Confirmatory Clinical trial
16	The science of studying and investigating the birth defects and their etiologies is known as	Teratology
17	In clinical trial, if volunteer wishes to discontinue the participation in trial then _____	Allow the volunteer to leave the trial
18	_____ is defined as the application of epidemiological reasoning, methods and knowledge to the study of uses and effects of drug in human population.	Pharmacoepidemiology
19	ISPOR stands for_____.	International Society for Pharmacoeconomics and Outcomes Research
20	Which of the following statements represents the best definition of pharmacoeconomics?	Description and analysis of the costs of drug therapy to health care systems and to society

**MCQ 2 Clinical Pharmacy, Subject Code: BPH_E_807_T ,Final year
B.Pharm Sem VIII (CBCS)**

Question number	Question
1	_____ is a factor responsible for patient's non compliance with therapy.
Alternative 1	Multiple drug therapy
Alternative 2	Clinical setting
Alternative 3	Gender of patient
Alternative 4	Marital status of patient
2	Three 'C' of good clinical Pharmacy practice include
Alternative 1	Communication, Consulting, Counselling
Alternative 2	Commanding, Caring, Cooperating
Alternative 3	Comparing, Correlating, Compounding
Alternative 4	Campaigning, Classifying, Coordinating
3	Before final closure of patient counselling
Alternative 1	Summarise the main points in logical order
Alternative 2	Summarise only side effects of drugs
Alternative 3	summarise medical Jargons
Alternative 4	summarise pathogenesis of disease
4	Substantial patient care of financial benefits can be increased by

Alternative 1	Generic drugs
Alternative 2	Branded Drugs
Alternative 3	Spurious Drugs
Alternative 4	Orphan drugs
5	Which type of adverse drug reactions are idiosyncratic and unrelated to pharmacological action of the drug?
Alternative 1	Type B
Alternative 2	Type A
Alternative 3	Type C
Alternative 4	Type D
6	Which of the following is the mechanism of excretion type of drug interaction?
Alternative 1	Competition for active secretion
Alternative 2	Induction of CYP450
Alternative 3	Alteration of GIT pH
Alternative 4	Adsorption
7	Agranulocytosis caused by phenylbutazone is more common in _____.
Alternative 1	Women
Alternative 2	Men
Alternative 3	Children
Alternative 4	Patients of age group of 45 to 60 Years
8	Which of the following class of the drug can cause hypertensive crisis if given along with tyramine containing food?

Alternative 1	Phenelzine
Alternative 2	Phenytoin
Alternative 3	Heparin
Alternative 4	Warfarin
9	Identify the drug which produces Risk of kernicterus by displacement of bilirubin in the neonates
Alternative 1	Sulfonamide
Alternative 2	Methotrexate
Alternative 3	Phenytoin
Alternative 4	Erythromycine
10	Identify the best way to improve patient compliance in the geriatric patients
Alternative 1	Use of simple therapeutic regimen
Alternative 2	Use of multi-drug regimen
Alternative 3	Use of OTC drugs
Alternative 4	Use of combination drug therapy
11	Which one of the following drug Administration in pregnancy may lead to Phocomelia in new born baby?
Alternative 1	Thalidomide
Alternative 2	Tetracycline
Alternative 3	Alcohol
Alternative 4	Phenytoin
12	_____ is ratio used to evaluate the safety and efficacy of a drug.

Alternative 1	Therapeutic Index
Alternative 2	Excess Risk
Alternative 3	Odd ratio
Alternative 4	Potency
13	Measurement or interpretation of drug blood or plasma drug concentration with the purpose of Optimizing a patients drug therapy, clinical outcome and minimizing the risk of drug induced toxicity is called as
Alternative 1	Therapeutic drug monitoring
Alternative 2	Therapeutic index
Alternative 3	Bioavailability
Alternative 4	Minimum effective concentration
14	Ethical principles for medical research involving human subjects, developed by world medical association is referred as
Alternative 1	Kefauver Amendment
Alternative 2	Nuremberg Code
Alternative 3	Belmont Report
Alternative 4	Declaration of Helsinki
15	How many patient are involved in Phase II clinical trial
Alternative 1	100-400
Alternative 2	15 -45
Alternative 3	2000-3000
Alternative 4	1000-2000

16	_____ is responsible to store the product under investigation in a safe place, account for its use and the left over product during the clinical trial.
Alternative 1	Principal Investigator
Alternative 2	Legal Expert
Alternative 3	Regulatory Authority
Alternative 4	Institutional Ethics Committee
17	Which of the following clinical trial study conducted in healthy volunteer
Alternative 1	Phase I trial
Alternative 2	Phase II trial
Alternative 3	Phase III trial
Alternative 4	Phase IV trial
18	A study to compare drug use within a country or regions within a country is an example of _____.
Alternative 1	Cross sectional study
Alternative 2	Case report Study
Alternative 3	Case series study
Alternative 4	Cross over study
19	Which is the pharmacoepidemiological method is a group or cluster of case reports that may be generated by a single clinician, group of clinician , a hospital and pharmaceutical company?
Alternative 1	Case series study

Alternative 2	Meta analysis
Alternative 3	Cohort studies
Alternative 4	Cross sectional studies
20	In Pharmacoeconomic evaluations study, CUA stands for _____.
Alternative 1	Cost utility application
Alternative 2	Cost utility analysis
Alternative 3	Cost usefulness application
Alternative 4	Cost usefulness analysis

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Question Number	Question	Correct answer
1	_____ is a factor responsible for patient's non compliance with therapy.	Multiple drug therapy
2	Three 'C' of good clinical Pharmacy practice include	Communication, Consulting, Counselling
3	Before final closure of patient counselling	Summarise the main points in logical order
4	Substantial patient care of financial benefits can be increased by	Generic drugs

5	Which type of adverse drug reactions are idiosyncratic and unrelated to pharmacological action of the drug?	Type B
6	Which of the following is the mechanism of excretion type of drug interaction?	Competition for active secretion
7	Agranulocytosis caused by phenylbutazone is more common in _____.	Women
8	Which of the following class of the drug can cause hypertensive crisis if given along with tyramine containing food?	Phenelzine
9	Identify the drug which produces Risk of kernicterus by displacement of bilirubin in the neonates	Sulfonamide
10	Identify the best way to improve patient compliance in the geriatric patients	Use of simple therapeutic regimen
11	Which one of the following drug Administration in pregnancy may lead to Phocomelia in new born baby?	Thalidomide
12	_____ is ratio used to evaluate the safety and efficacy of a drug.	Therapeutic Index
13	Measurement or interpretation of drug blood or plasma drug concentration with the purpose of Optimizing a patients drug therapy, clinical outcome and minimizing the risk of drug induced toxicity is called as	Therapeutic drug monitoring
14	Ethical principles for medical research involving human subjects, developed by world medical association is referred as	Declaration of Helsinki
15	How many patient are involved in Phase II clinical trial	100-400
16	_____ is responsible to store the product under investigation in a safe place, account for its use and the left over product during the clinical trial.	Principal Investigator
17	Which of the following clinical trial study conducted in healthy volunteer	Phase I trial

18	A study to compare drug use within a country or regions within a country is an example of _____.	Cross sectional study
19	Which is the pharmacoepidemiological method is a group or cluster of case reports that may be generated by a single clinician, group of clinician , a hospital and pharmaceutical company?	Case series study
20	In Pharmacoeconomic evaluations study, CUA stands for _____.	Cost utility analysis

MCQ 3 Clinical Pharmacy, Subject Code: BPH_E_807_T ,Final year B.Pharm Sem VIII (CBCS)

Question number	Question
1	Which is an important duty of Pharmacist in patient counseling?
Alternative 1	Special directions for administration
Alternative 2	Prepare insurance claim forms

Alternative 3	Compounding and dispensing of drugs
Alternative 4	Guiding for insurance claim
2	Which administration instruction should the pharmacist give to the patient while dispensing Metered inhalation aerosols?
Alternative 1	Shake the inhaler vigorously before actuation
Alternative 2	May cause temporary discomfort
Alternative 3	Use standard measuring device for uniform dosage
Alternative 4	Importance of keeping it sterile
3	Basic goal of clinical Pharmacy is to
Alternative 1	Maximizing drug effectiveness & monitoring ADRs
Alternative 2	To take upon the functions of materials management
Alternative 3	To do inhouse production of drugs, the buying of which from outside sources is not prudent.
Alternative 4	To maintain adequate control over requisitioning & dispensing of all drugs & pharmaceutical supplies
4	Bizarre type of ADRs is_____.
Alternative 1	Idiosyncrasy
Alternative 2	Secondary pharmacological activity
Alternative 3	Excessive pharmacological activity
Alternative 4	Rebound effect on discontinuation
5	Which of the following is the mechanism of distribution type of drug interaction?
Alternative 1	Displacement from Tissue binding site
Alternative 2	Competition for metabolic enzymes
Alternative 3	Competition for active secretion
Alternative 4	Chelation in GIT

6	The interaction between Calcium and Tetracyclines is which type of drug interaction?
Alternative 1	Absorption
Alternative 2	Distribution
Alternative 3	Metabolism
Alternative 4	Excretion
7	Which of the following drug may cause vestibular ototoxicity?
Alternative 1	Streptomycin
Alternative 2	Thyroxine
Alternative 3	Carbidopa
Alternative 4	Levodopa
8	Identify the appropriate drug with following characteristics due to which it is necessary to ensure its therapeutic drug monitoring:It is a drug with narrow therapeutic index and non-linear pharmacokinetics
Alternative 1	Phenytoin
Alternative 2	Acetaminophen
Alternative 3	Mannitol
Alternative 4	Aspirin
9	Increase in CNS sensitivity is observed more prominently in which of the important type of special population?
Alternative 1	Geriatric patients
Alternative 2	Paediatric patients
Alternative 3	Adult men
Alternative 4	Adult women
10	Which formulation is preferred to improve patient compliance in geriatric patient.
Alternative 1	Syrup and Elixir

Alternative 2	Tablet
Alternative 3	Injection
Alternative 4	Powder
11	A teratogenic effect of drug is related to one of the following statement
Alternative 1	Negative effect of maternal drug therapy on fetus
Alternative 2	Effect of sunlight on skin
Alternative 3	Carcinogenic effect of drugs on adult
Alternative 4	Effect of drug on renal system
12	_____ is a trial consists of the administration of a drug or treatment to a target group of patients with both patient and staff being aware of which treatment is given.
Alternative 1	Open trial
Alternative 2	Single blind trial
Alternative 3	Double blind trial
Alternative 4	Half blind trial
13	The main purpose of randomization in a clinical trial is to
Alternative 1	Reduce bias
Alternative 2	Ensure trial completion
Alternative 3	Assign treatment
Alternative 4	Prevent adverse outcomes
14	Which of the following Schedule governs clinical research in India
Alternative 1	Schedule Y
Alternative 2	Schedule X
Alternative 3	Schedule M
Alternative 4	Schedule H

15	_____ is an international ethical and scientific quality standard for designing, conducting, recording, and reporting trials that involve the participation of human subject.
Alternative 1	Good Clinical Practice
Alternative 2	Good Manufacturing Practice
Alternative 3	Good Laboratory practice
Alternative 4	Good Regulatory Practice
16	The main aim of Pharmacovigilance is
Alternative 1	To promote rationale and safe use of medicines
Alternative 2	To maximise profit by manufacturer
Alternative 3	To lower cost of medicine
Alternative 4	To encourage trade of medicines.
17	The main aspects studied in Analytic epidemiology is _____.
Alternative 1	Observational data
Alternative 2	Person factor
Alternative 3	Time of spread of disease
Alternative 4	Place of disease
18	_____ involves the plotting of the data over time and assessment of different patterns emerging through it.
Alternative 1	Trend Analysis
Alternative 2	Cross sectional analysis
Alternative 3	Cohort analysis
Alternative 4	Random analysis
19	In health economic evaluations, QALY stands for _____.

Alternative 1	Quality adjusted life year
Alternative 2	Quality affected life year
Alternative 3	Quantity adjusted life year
Alternative 4	Quantity affected life year
20	In _____, consequences are measured in terms of the total cost associated with a programme where both costs and consequences are measured in monetary terms.
Alternative 1	Cost Benefit Analysis
Alternative 2	Cost Minimization Analysis
Alternative 3	Cost Effectiveness Analysis
Alternative 4	Cost Utility Analysis

MCQ 3 Answer key Clinical Pharmacy, Subject Code: BPH_E_807_T ,Final year B.Pharm Sem VIII (CBCS)

Question Number	Question	Correct answer
1	Which is an important duty of Pharmacist in patient counseling?	Maintain computerized patient record
2	Which administration instruction should the pharmacist give to the patient while dispensing Metered inhalation aerosols?	Shake the inhaler vigorously before actuation
3	Basic goal of clinical Pharmacy is to	
4	Bizarre type of ADRs is_____.	Idiosyncrasy

5	Which of the following is the mechanism of distribution type of drug interaction?	Displacement from Tissue binding site
6	The interaction between Calcium and Tetracyclines is which type of drug interaction?	Absorption
7	Which of the following drug may cause vestibular ototoxicity?	Streptomycin
8	Identify the appropriate drug with following characteristics due to which it is necessary to ensure its therapeutic drug monitoring: It is a drug with narrow therapeutic index and non-linear pharmacokinetics	Phenytoin
9	Increase in CNS sensitivity is observed more prominently in which of the important type of special population?	Geriatric patients
10	Which formulation is preferred to improve patient compliance in geriatric patient.	Syrup and Elixir
11	A teratogenic effect of drug is related to one of the following statement	Negative effect of maternal drug therapy on fetus
12	_____ is a trial consists of the administration of a drug or treatment to a target group of patients with both patient and staff being aware of which treatment is given.	Open trial
13	The main purpose of randomization in a clinical trial is to	Reduce bias
14	Which of the following Schedule governs clinical research in India	Schedule Y
15	_____ is an international ethical and scientific quality standard for designing, conducting, recording, and reporting trials that involve the participation of human subject.	Good Clinical Practice
16	The main aim of Pharmacovigilance is	To promote rationale and safe use of medicines
17	The main aspects studied in Analytic epidemiology is _____.	Observational data
18	_____ involves the plotting of the data over time and assessment of different patterns emerging through it.	Trend Analysis
19	In health economic evaluations, QALY stands for _____.	Quality adjusted life year
20	In _____, consequences are measured in terms of the total cost associated with a programme where both costs and consequences are measured in monetary terms.	Cost Benefit Analysis

