

## SUBJECT

1. Quality assurance is achieved in collaboration of how many authorities?
  - A. Three
  - B. Ten
  - C. Five
  - D. Twelve
2. Which one of the following has the better stability?
  - A. Emulsion
  - B. Suspension
  - C. Syrups
  - D. Tablet
3. Which one of the following provides guidelines on various approaches of quality assurance?
  - A. Drug regulatory authority
  - B. World Health Organization
  - C. Manufacturer
  - D. Center for Disease Control
4. Vertical pressure leaf filter is used for the filtration of liquid with suspended solid contents up to what %age?
  - A. 1%
  - B. 5%
  - C. 7%
  - D. 10%
5. Which one of the following steps is optional in capsule manufacture?
  - A. Developing and preparing the formulation
  - B. Selecting the capsule size
  - C. Capsule Filling
  - D. Capsule Sealing
6. Which one of the following is concerned with improvement of the quality of material?
  - A. Finer
  - B. Blending
  - C. Homogenizing
  - D. Trapping
7. The most medicinal treatment is used as:
  - A. Anti-inflammatory
  - B. Anti-allergic
  - C. Anti-bacterial
  - D. Lubricant
8. Ball Mill is also called as:
  - A. Jar Mill
  - B. Circular Mill
  - C. Round Mill
  - D. Trough Mill
9. How many methods are there for the manufacturing of compressed tablet?
  - A. One
  - B. Two
  - C. Three
  - D. Four
10. In ball mill the cylindrical shaped hollow vessel is used whose length is \_\_\_\_\_ than its diameter.
  - A. smaller
  - B. slightly greater
  - C. double
  - D. triple



11. The falling film evaporator is usually applied for:

- A. Less viscous Solid
- B. Less viscous Solutions
- C. High Viscous Solutions
- D. Hygroscopic substances

12. Which one of the following step is NOT involved in dry granulation method of tablet manufacture?

- A. Weighing
- B. Slug Formation
- C. Crushing
- D. Drying

13. The centrifugal force which is used in tubular centrifuge filter is how many times greater than gravity?

- A. 2000
- B. 20000
- C. 3000
- D. 30000

14. The amount of evaporation in natural circulation evaporator depends upon the temperature difference between \_\_\_\_\_ and solution

- A. Solvent
- B. Solute
- C. Air
- D. Steam

15. In wet gum method, the water, gum and oil are used in which proportion?

- A. 4:2:2
- B. 4:1:2
- C. 4:2:1
- D. 1:4:2

16. How many steps are involved in wet granulation method of tablet manufacture?

- A. 3
- B. 5
- C. 7
- D. 9

17. The boiling point of solution is always \_\_\_\_\_ than boiling point of solvent.

- A. smaller
- B. equal
- C. higher
- D. not related

18. Which one of the following is NOT the application of Belt Dryer?

- A. Chemical Industries
- B. Food Industries
- C. Pharmaceutical Industries
- D. Drying of finished Products

19. The difference between boiling point of solution and solvent is known as:

- A. Temperature Difference
- B. Temperature Depression
- C. Boiling Depression
- D. Evaporation Depression

20. Natural circulation evaporators are based on the natural circulation of the product caused by the \_\_\_\_\_ which arise due to heating.

- A. density difference
- B. viscosity difference
- C. velocity difference
- D. temperature difference



21. Which one of the following tube metal used for packaging has the lowest cost?

- A. Aluminum
- B. Lead
- C. Tin
- D. Glass

22. Brookfield viscometer is which kind of viscometer?

- A. Straight
- B. Vertical
- C. Rotational
- D. Perpendicular

23. Vacuum tray dryer is used for the drying of \_\_\_\_\_ substance.

- A. Oxygen Stable
- B. Low Grade
- C. Hygroscopic
- D. Initial Material

24. Hard gelatin capsules are manufactured in how many sections?

- A. One
- B. Two
- C. Three
- D. Four

25. How many methods are there for the preparation of emulsion?

- A. Three
- B. Five
- C. Nine
- D. Twelve

26. Which one of the following is used as a final production step?

- A. Mixing
- B. Drying
- C. Size reduction
- D. Size Separation

27. The approval of pharmaceuticals for marketing by quality control belongs to which stage of quality control?

- A. First Stage
- B. Second Stage
- C. Third Stage
- D. Fourth Stage

28. Written document or instruction detailing all the steps and activities of a process or procedure is called as:

- A. Good Documentation
- B. Record maintaining
- C. Checklist
- D. Standard operating procedures

29. All the arrangement made to ensure that the end product is being possessed of the required quality is called as:

- A. Quality Control
- B. Quality Assurance
- C. GMP
- D. CGMP

30. Trituration method for the manufacture of ointment is also known as:

- A. Mechanical Method
- B. Electrical Method
- C. Specific Method
- D. Rational Method



31. Which one of the following vaccine is administered at the age of greater than 2 years?

- A. Typhoid
- B. PCV
- C. Rubella
- D. Mumps

32. The study and practice of how best to improve the overall health, and health gains, of populations is referred to as:

- A. Community Health
- B. Population Health
- C. Public Health
- D. Community Pharmacy

33. According to Holy Quran, the mother shall feed the milk to her child for at least how many years?

- A. One
- B. Two
- C. Three
- D. Four

34. In which one of the following layout design, the pharmacist will give the drugs to consumer?

- A. Personnel Service
- B. Self Service
- C. Self Selection
- D. Consumer Service

35. Which one of the following is the example of suture and ligature?

- A. Plain gauze
- B. Polymer polyester
- C. Bandages
- D. Protective cap

36. Drug control in hospital begins with:

- A. Policies
- B. Standard
- C. Law
- D. Regulation

37. Which one of the following describes the clinical picture of disease?

- A. Risk Factors
- B. History of Disease
- C. Death from Disease
- D. Health Policy Foundation

38. Pharmacy layout is which type of facility of Pharmacy?

- A. Chemical
- B. Physical
- C. Available
- D. Accessible

39. Which one of the following vaccines is administered after birth of a child?

- A. BCG
- B. Rotavirus
- C. Chicken Pox
- D. Hepatitis A

40. Which one of the following is NOT the advantage of grid layout design?

- A. Ease in Cleaning
- B. More Exposure
- C. More Purchasing
- D. Maximum Space utilization of Space

41. Which one of the following vaccine is administered at the age of nine month?

- A. Typhoid
- B. Diphtheria
- C. Tuberculosis
- D. Measles

42. Which one of the following Pharmacy focuses more on the medication review?

- A. Compounding Pharmacy
- B. Internet Pharmacy
- C. Consultant Pharmacy
- D. Clinical Pharmacy

43. What is the dose of rotavirus vaccines?

- A. 2 ml
- B. 0.5 ml
- C. 1 ml
- D. 3 ml

44. Birth control pills provide some protection against which one of the following?

- A. Ovarian Infection
- B. Ovarian Cancer
- C. Urinary Tract Infection
- D. Breast Cancer

45. The need of family planning includes all of the following EXCEPT:

- A. To improve economic condition
- B. To improve health of mothers
- C. To ensure environmental stability
- D. To decrease the resources

46. Which one of the following distribution system is used by small private hospital?

- A. Individual Prescription Order System
- B. Complete Floor Stock System
- C. Unit Dose System
- D. Multiple Dose System

47. Which one of the following is the most effective method of birth control?

- A. Birth Control Pill
- B. Contraceptive Injection
- C. Cervical Cap
- D. Intrauterine Device

48. Self Service type design of pharmacy is used for:

- A. Cardiovascular Drugs
- B. Antibiotics
- C. NSAIDS
- D. Nutritional Drugs

49. What is the route of administration of BCG vaccine?

- A. Intramuscular
- B. Intravenous
- C. Per Oral
- D. Intradermal

50. Community Pharmacist is generally divided into how many categories?

- A. Two
- B. Three
- C. Five
- D. One



51. Which one of the following pharmacy deals directly with local area peoples?

- A. Hospital Pharmacy
- B. Clinical Pharmacy
- C. Community Pharmacy
- D. Industrial Pharmacy

52. The disease which is transmitted from one person to another person is called as:

- A. Preventive Disease
- B. Natural Disease
- C. Communicable Disease
- D. Personal Disease

53. Which one of the following determines the identification and minimizing the risk factors, improve, screening and the early detection of disease?

- A. Screening Health
- B. Identification Health
- C. Prevention Health
- D. Communicable Health

54. Which one of the following is essential component in the chain of infection?

- A. Resistant Host
- B. Immunized Host
- C. Transmission Prevention
- D. Susceptible Host

55. The distribution, frequency and determinants of health problems and diseases in human populations is called as:

- A. Epidemiology
- B. Pharmacy
- C. Health Problem Evaluation
- D. Health Problem Resolution

56. Which one of the following vaccine is administered subcutaneously?

- A. DTap
- B. MMR
- C. OPV
- D. Hepatitis B

57. Which one of the following Pharmacist is most accessible to the public?

- A. Outpatient Pharmacist
- B. Inpatient Pharmacist
- C. Clinical Pharmacist
- D. Community Pharmacist

58. Which one of the following is NOT communicable disease?

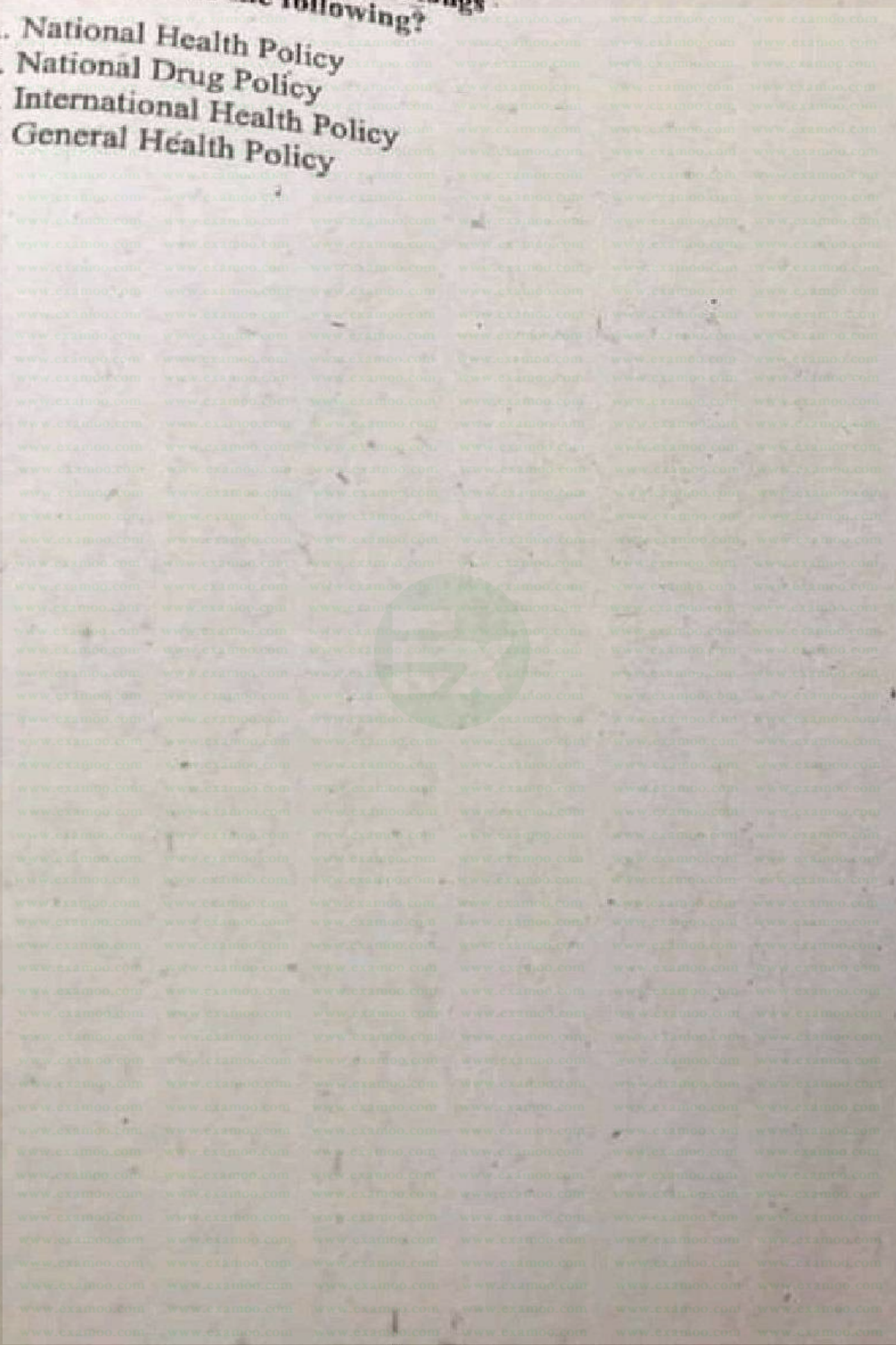
- A. Chicken Pox
- B. Influenza
- C. AIDS
- D. Asthma

59. What is the effectiveness of Male Condom as a birth control method?

- A. 70%
- B. 78%
- C. 86%
- D. 96%

60. The purpose to ensure regular availability of essential drugs of acceptable efficacy, safety and quality at affordable price belongs to which one of the following?

- A. National Health Policy
- B. National Drug Policy
- C. International Health Policy
- D. General Health Policy



Short Essay Questions  
SEQ contain 05 marks  
each

TOTAL MARKS = 60

## PHARMACEUTICS- II (INDUSTRIAL & QUALITY CONTROL)

1. Write down the factors those influence the choice of packaging material?
2. What do you mean by drying and discuss belt dryer?
3. Enumerate the method of tablet manufacturing. Discuss in detail wet granulation method?
4. Describe the role of suspending agent as an additive along with example?
5. Discuss the role of drug manufacture in quality assurance achievement efforts?
6. Define Ointment and explain manufacturing methods of ointment.

## Pharmaceutics III (Hospital and Community Pharmacy)

1. Define Hospital Pharmacy and write down its aim and objective?
2. Describe the dispensing to outpatients in hospital along with categories?
3. What do you know about medication error, discuss along with type and example?
4. Write down the name of some common communicable disease. Discuss prevention and control of communicable disease?
5. Give the general guideline for proper disposal of waste?
6. Define Hospital Formulary. Explain its contents and advantages & disadvantages.