

Mark scored:

KATHMANDU UNIVERSITY
End Semester Examination
July/August, 2018

Level : B. Pharm.
Year : IV

Course : PHAR 414
Semester: II

Exam Roll No. :

Time: 30 mins.

F. M. : 20

Registration No.:

Date JUL 19 2018

SECTION "A"

[20 Q × 1 = 20 marks]

Check (✓) the correct answer of the following multiple choice questions:

1. Work study involves
 - a) only method study
 - b) only work measurement
 - c) method study and work measurement
 - d) only motion study
2. In outline process chart, the horizontal lines represents
 - a) general flow of process
 - b) materials being introduced
 - c) both 'a' and 'b'
 - d) None of the above
3. Death of vultures due to due to pollution of diclofenac is due to.....
 - a) Kidney failure
 - b) Heart failure
 - c) a and b
 - d) Effect in brain
4. The cost of insurance and taxes are included in
 - a) Cost of ordering
 - b) Set up cost
 - c) Inventory carrying cost
 - d) Cost of shortages
5. The time period between placing an order its receipt in stock is known as
 - a) Lead time
 - b) Carrying time
 - c) Shortage time
 - d) Over time
6. Should be the minimum width of the conveyor.
 - a) Length of the box
 - b) Width of the box
 - c) Height of the box
 - d) Diagonal of the box
7. Economy in material handling can be achieved by
 - a) employing gravity feed movements
 - b) minimizing distance of travel
 - c) by carrying material to destination without using manual labour
 - d) all of the above
8. WFI (Water for injection) iswater
 - a) Non-Sterile
 - b) Purified
 - c) Highly purified
 - d) Sterile
9. In HVAC, recirculation of air is not done, if the production area is producing
 - a) Health hazardous agent
 - b) Sterile production
 - c) Tablet formulation
 - d) Oral liquid production
10. Air flow velocity in horizontal laminar airflow must be
 - a) 0.15m/s
 - b) 0.30m/sec
 - c) 0.45m/sec
 - d) 0.2m/sec

11. In powdered glass test leaching potential of..... is evaluated.
 - a) Exterior structure of glass
 - b) Plastic containers
 - c) Interior structure of glass
 - d) Intact surface of glass
12. Which of the following is TRUE about rabbit pyrogen test:
 - a) It is in-vitro test
 - b) Gives quantitative evaluation
 - c) It is based on death count of rabbits
 - d) Rabbits of either sex are used
13. Which of the following is NOT TRUE with respect to corneal epithelium
 - a) Drug absorption is similar in comparison to intestinal, nasal and bronchial epithelium
 - b) The epithelium consists of 5 to 6 layers of cells
 - c) It is thicker in the central region
 - d) Drugs penetrate via the transcellular or paracellular pathway
14. The retention of a solution in the eye is not influenced by.....
 - a) Viscosity
 - b) Hydrogen ion concentration
 - c) Osmolality
 - d) Instilled volume
15. are non-ionic surfactant-based bilayer vesicles.
 - a) Liposome
 - b) Micelles
 - c) Niosomes
 - d) Surfoliposome
16. Drug release from osmotic pumps follows order release kinetics
 - a) Zero
 - b) First
 - c) Second
 - d) Pseudo-first
17. In gene augmentation approach to gene therapy,
 - a) A normal gene inserted to compensate for a non-functional gene.
 - b) An abnormal gene traded for a normal gene
 - c) An abnormal gene repaired through selective reverse mutation
 - d) Change the regulation of gene pairs
18. Coxsakie- and adenovirus- receptor (CAR) are.....
 - a) Fiber based protein in virus surface
 - b) Present in cell surface of host cell
 - c) Directly responsible for virus replication
 - d) None of the above
19. Which of the following condition usually increase the rate of drug dissolution from a tablet
 - a) Use of sugar coating around the tablet
 - b) Use of hydrophilic excipients
 - c) Decrease in size of the tablet
 - d) None of the above
20. may be used in enteric coating of tablet.
 - a) Hydroxypropyl methylcellulose phthalate
 - b) Polyvinyl acetate phthalate
 - c) Cellulose acetate phthalate
 - d) All of the above

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