



# BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Bachelor of Pharmacy

Course Name – Computer Applications in Pharmacy

Course Code - BP205T

( Semester II )

Time allotted : 1 Hrs.5 Min.

Full Marks : 50

[The figure in the margin indicates full marks.]

## Group-A

(Multiple Choice Type Question)

1 x 50=50

Choose the correct alternative from the following :

(1) 2's complement of 101011110000 is

- a) 11101110110  
c) 10100010000

- b) 10100001111  
d) 1010101001010101

(2) Octal representation for the hexadecimal code F3A1 is

- a) 171641  
c) 161741

- b) 171692  
d) 611714

(3) The input hexadecimal representation of 1110 is

- a) 0111  
c) 14

- b) 0E  
d) F

(4) In which elicitation process the developers discuss with the client and end users and know their expectations from the software?

- a) Requirement gathering  
c) Negotiation & discussion

- b) Organizing requirements  
d) Documentation

(5) Which one of the following is not a phase of Prototyping Model?

- a) Quick Design  
c) Prototype Refinement

- b) Coding  
d) Engineer Product

(6) 1's compliment of 1100 is

- a) 11  
c) 1010

- b) 1101  
d) 0

(7) Representation of hexadecimal number  $(6DE)_{16}$  in decimal:

- a)  $6 * 16^2 + 13 * 16^1 + 14 * 16^0$   
c)  $6 * 16^2 + 11 * 16^1 + 14 * 16^0$

- b)  $6 * 16^2 + 12 * 16^1 + 13 * 16^0$   
d)  $6 * 16^2 + 14 * 16^1 + 15 * 16^0$



- a) # and #  
c) < and >
- b) ? and !  
d) { and }
- (21) To create HTML page, you need
- a) Web browser  
c) Both Web browser & text editor
- b) text editor  
d) None of these
- (22) Full form of HTTPS
- a) Hypertext Transferring Process Secure  
c) Hypertext Transmit Protocol Socket
- b) Hypertext Transfer Protocol Secure  
d) None of these
- (23) HTML stands for
- a) Hypertext Making Language  
c) Hypertext Markup Language
- b) Hypertext Marking Language  
d) None of these
- (24) The tag is used to make a text bold.
- a) bold tag  
c) Both of them
- b) b tag  
d) None of them
- (25) Example of search engine
- a) Google  
c) Ask
- b) Bing  
d) All of them
- (26) Example of Multi-Valued attribute
- a) name  
c) Contact number
- b) DOB  
d) None of them
- (27) Example of derived attribute
- a) Contact number  
c) salary
- b) Mail id  
d) age
- (28) The movement of drug absorption, distribution, metabolism and elimination and their relationship with the pharmacological, therapeutically or toxicological responses in man on animals is called
- a) Pharmacodynamics  
c) Pharmacotherapeutics
- b) Pharmacokinetics  
d) Pharmacogenomics
- (29) Development of biological sampling techniques, analytical methods for measurement of drug concentration in biological samples is designated as-
- a) Experimental aspect of PK  
c) Both Experimental aspect of PK & Therapeutic aspect of PK
- b) Therapeutic aspect of PK  
d) Pharmacokinetics
- (30)  $t_{max}$  means \_\_\_\_\_
- a) Total amount of drug reaches to the systemic circulation  
c) Time to reach peak plasma concentration
- b) Total time required to eliminate drug from the systemic circulation  
d) Drug concentration which is maximum in the course of single dose
- (31) Calculate the AUC of the given plasma data. (At time 0 and 1 corresponding concentrations are 0 and 7.42 ng/ml respectively)
- a) 3.71  
c) 37.1
- b) 7.42  
d) 74.2
- (32) Calculate the AUC of the given plasma data. (At time 0, 4 and 6 corresponding concentrations are 0, 54.08 and 22.25 ng/ml respectively)

- a) 184.49  
c) 22.25
- b) 76.33  
d) 108.16
- (33) Which of the following is used for calculation of plasma drug concentration?  
a) Boltzman theory  
c) Trapezoidal theory
- b) Arrhenius theory  
d) None of these
- (34) Trapezoidal rule can be used for calculation of  
a)  $C_{max}$  and AUC  
c)  $C_{max}$  and  $t_{max}$
- b) AUC and  $t_{max}$   
d) AUC
- (35) To create HTML page, you need  
a) Web browser  
c) Both
- b) text editor  
d) None of the above
- (36) What does the tag add to your webpage ?  
a) Long break  
c) Line break
- b) Paragraph break  
d) None of the above
- (37) In DFD process represent by  
a) circle  
c) triangle
- b) rectangle  
d) dot
- (38) SRS stands for  
a) Software Requirement Specific  
c) Software Requirement Specification
- b) Software Requirement Specialization  
d) None of them
- (39) Which of the following is a web server?  
a) Apache tomcat  
c) internet explorer
- b) firefox  
d) Google chrome
- (40) HTML stands for  
a) Hypertext Making Language  
c) Hypertext Markup Language
- b) Hypertext Marking Language  
d) None of these
- (41) Example of search engine  
a) Google  
c) Ask
- b) Bing  
d) All of them
- (42) PATIENT(P\_ID, p\_name, disease, d\_name, contact) mysql> SELECT p\_name, disease, d\_name FROM patient; it will display  
a) Patient name, disease description and doctor name for all patient form patient table  
c) Will display nothing
- b) All information about patient  
d) Will display one patient's information
- (43) 1's complement of 101011 is  
a) 010100  
c) 101010
- b) 110100  
d) 010101
- (44) Octal number system is a  
a) Positive number system with weights 0 to 9  
c) Positive number system with weights 0 to 15
- b) Positive number system with weights 0 to 9 and A to F  
d) Positive number system with weights 0 to 16

