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   b) 10100001111

  c) 10100010000   d) 1010101001010101

(2) Octal representation for the hexadecimal code F3A1 is

  a) 171641   b) 171692

  c) 161741   d) 611714

(3) The input hexadecimal representation of 1110 is

  a) 0111   b) 0E

  c) 14   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   b) Organizing requirements

  c) Negotiation & discussion   d) Documentation

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

  a) Quick Design   b) Coding

  c) Prototype Refinement   d) Engineer Product

(6) 1's compliment of 1100 is

  a) 11   b) 1101

  c) 1010   d) 0

(7) Representation of hexadecimal number $(6DE)_H$ in decimal:

  a) $6 * 16^2 + 13 * 16^1 + 14 * 16^0$ b) $6 * 16^2 + 12 * 16^1 + 13 * 16^0$

  c) $6 * 16^2 + 11 * 16^1 + 14 * 16^0$ d) $6 * 16^2 + 14 * 16^1 + 15 * 16^0$

(8) Which of the following is not an octal number?

a) 10100011
b) 5632
c) 785632
d) 75632

(9) Which of the following is a phase of SDLC?

a) Requirement gathering
b) Maintenance
c) Analysis
d) All of these

(10) 2's complement of 1 is

a) 0
b) 1
c) 00
d) 11

(11) Which of the following is not a type of number system?

a) Positional
b) Non-Positional
c) Octal
d) Fractional

(12) A COCOMO model is _____ .

a) Common Cost Estimation Model.
b) Constructive Cost Estimation Model.
c) Complete Cost Estimation Model.
d) Comprehensive Cost Estimation Model

(13) What do you call them in binary multiplication?

a) Multipliers
b) Multiplicands
c) Partial Products
d) Both Multipliers and Multiplicands

(14) The result obtained on binary multiplication of 1010 * 1100 is _____

a) 0001111
b) 0011111
c) 1111100
d) 1111000

(15) The multiplication of 110 * 111 is performed. What is a general term used for 111?

a) Dividend
b) Quotient
c) Multiplicand
d) Multiplier

(16) Design may be a

a) High Level Design
b) Low Level Design
c) Both of them
d) None of them

(17) Correct Sequence of SDLC

a) Requirement collection and analysis - Feasibility study Design - Cost Estimation – Coding – Testing - Installation/Deployment - Maintenance
b) Maintenance - Coding - Requirement collection and analysis - Feasibility study Design - Cost Estimation - Testing - Installation/Deployment
c) Cost Estimation - Testing - Requirement collection and analysis - Feasibility study Design – Coding - Installation /Deployment - Maintenance
d)

None of them

(18) Which of the following allows user to view a webpage?

a) Operating System
b) Website
c) Interpreter
d) Internet Browser

(19) DFD stands for

a) Data Flow Diagram
b) Data Flow Design
c) Date Free Design
d) None of them

(20) ALL HTML tags are enclosed in what ?

a) # and #   b) ? and !

c) < and >   d) { and }

(21) To create HTML page, you need

a) Web browser   b) text editor

c) Both Web browser & text editor   d) None of these

(22) Full form of HTTPS

a) Hypertext Transferring Process Secure   b) Hypertext Transfer Protocol Secure

c) Hypertext Transmit Protocol Socket   d) None of these

(23) HTML stands for

a) Hypertext Making Language   b) Hypertext Marking Language

c) Hypertext Markup Language   d) None of these

(24) The tag is used to make a text bold.

a) bold tag   b) b tag

c) Both of them   d) None of them

(25) Example of search engine

a) Google   b) Bing

c) Ask   d) All of them

(26) Example of Multi-Valued attribute

a) name   b) DOB

c) Contact number   d) None of them

(27) Example of derived attribute

a) Contact number   b) Mail id

c) salary   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   b) Pharmacokinetics

c) Pharmacotherapeutics   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   b) Therapeutical aspect of PK

c) Both Experimental aspect of PK & Therapeutical aspect of PK   d) Pharmacokinetics

(30) t_{max} means_____

a) Total amount of drug reaches to the systemic circulation   b) Total time required to eliminate drug from the systemic circulation

c) Time to reach peak plasma concentration   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   b) 7.42

c) 37.1   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   b) 76.33

c) 22.25   d) 108.16

(33) Which of the following is used for calculation of plasma drug concentration?

a) Boltzman theory   b) Arrhenius theory

c) Trapezoidal theory   d) None of these

(34) Trapezoidal rule can be used for calculation of

a) C_{max} and AUC   b) AUC and t_{max}

c) C_{max} and t_{max} d) AUC

(35) To create HTML page, you need

a) Web browser   b) text editor

c) Both   d) None of the above

(36) What does the
     tag add to your webpage ?

a) Long break   b) Paragraph break

c) Line break   d) None of the above

(37) In DFD process represent by

a) circle   b) rectangle

c) triangle   d) dot

(38) SRS stands for

a) Software Requirement Specific   b) Software Requirement Specialization

c) Software Requirement Specification   d) None of them

(39) Which of the following is a web server?

a) Apache tomcat   b) firefox

c) internet explorer   d) Google chrome

(40) HTML stands for

a) Hypertext Making Language   b) Hypertext Marking Language

c) Hypertext Markup Language   d) None of these

(41) Example of search engine

a) Google   b) Bing

c) Ask   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   b)
   doctor name for all patient form patient   All information about patient
   table

c) Will display nothing   d) Will display one patient's information

(43) 1's complement of 101011 is

a) 010100   b) 110100

c) 101010   d) 010101

(44) Octal number system is a

a) Positive number system with weights 0 to   b) Positive number system with weights 0 to
   9   9 and A to F

c) Positive number system with weights 0 to 15

d) Positive number system with weights 0 to 16

(45) No of symbol available in Hexa decimal number system?

a) 15

b) 6

c) 610

d) 16

(46) Which of the following element is responsible for making the text bold in HTML?

a) `<pre>`

b) `<a>`

c) `<b>`

d) `<br>`

(47) Which feature was already introduced before HTML5?

a) Canvas/SVG

b) Video

c) Geolocation

d) Frames

(48) What if one does not use the doctype in the starting of HTML document?

a) Browser finds the document in quirky mode

b) Browser finds a document in standard mode

c) Browser stops working

d) Browser crashes after showing the page

(49) The hr tag in HTML is used for -

a) new line

b) vertical ruler

c) new paragraph

d) horizontal ruler

(50) The tags in HTML are -

a) case-sensitive

b) in upper case

c) not case sensitive

d) in lowercase