Core Java (SY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Class : SY
Branch : BSc. IT
Semester : IV
Subject : Core Java
Course Code: USIT401

Total marks : 20
Time : 11:00 AM - 11:30 AM
Duration: 30 minutes

* Required

1. Email address *

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2. Full Name *

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3. Roll No. *

   _____

4. Class *

   Mark only one oval.

   ◯ SY

5. Department *

   Mark only one oval.

   ◯ B.Sc. IT

10. What will be the output of the following program? *

```
public class Rose {
    public Rose(String name) {
        System.out.println("Passed Name is :" + name);
    }
    public static void main(String[] args) {
        Rose myRose = new Rose("red");
        myRose = new Rose("white");
    }
}
```

Mark only one oval.

○ Passed Name is :red

○ Passed Name is :white

○ Passed Name is :red Passed Name is :white

○ Compilation Error or Runtime Error

11. Analyze the below code and identify the type of class? *

```
class daysofweek {
    private int daysOfWeek=7;
    public int getdaysOfWeek() {
        return daysOfWeek;
    }
    public void setdaysOfWeek(int dow) {
        this.daysOfWeek = dow;
    }
}
public class Main {
    public static void main(String args[]){
        daysofweek pojoDemo = new daysofweek();
        System.out.println("Days of the week:" + pojoDemo.getdaysOfWeek());
    }
}
```

Mark only one oval.

○ Abstract Class

○ POJO Class

○ Inner Class

○ Static Class

14. What will be the outcome of the following program? *

```
class data {
    private int value=2000;
    public int getValue() {
        return value;
    }
    public void setValue(int value) {
        this.value = value;
    }
}
public class Test {
    public static void main(String args[]){
        data p = new data();
        System.out.println(p.getValue());
    }
}
```

Mark only one oval.

○ Compile Time Error

○ 0

○ 2000

○ Syntax Error

15. A class declared within another class or method is called an _____ class. *

Mark only one oval.

○ Outer

○ Inner

○ Static

○ Block

19. _____ is the central part of the JVM. *

Mark only one oval.

⭕ Java Native Interface

⭕ Execution Engine

⭕ JIT Compiler

⭕ Native Stack

20. Creating an object from a class is also called ____. *

Mark only one oval.

⭕ Initializing

⭕ Instantiating

⭕ Interfacing

⭕ Enumerate

21. In Java, main() method returns a value of type _____. *

Mark only one oval.

⭕ void

⭕ int

⭕ real

⭕ string

25. Which of the following variable declarations would NOT compile in a java program? *

Mark only one oval.

- ( ) int var;
- ( ) int VAR;
- ( ) int var1;
- ( ) int 1_var;

26. Which of the following is TRUE? *

Mark only one oval.

- ( ) In java, an instance field declared public generates a compilation error.
- ( ) int is the name of a class available in the package java.lang
- ( ) Instance variable names may only contain letters and digits.
- ( ) A class always has a constructor (possibly automatically supplied by the java compiler).

27. What is garbage collection in the context of Java? *

Mark only one oval.

- ( ) The operating system periodically deletes all the java files available on the system.
- ( ) Any package imported in a program and not used is automatically deleted.
- ( ) When all references to an object are gone, the memory used by the object is automatically reclaimed.
- ( ) The JVM checks the output of any Java program and deletes anything that doesn't make sense.

28. Which inheritance in java programming is not supported? *

Mark only one oval.

- ( ) Multiple inheritance using classes
- ( ) Multiple inheritance using interfaces
- ( ) Multilevel inheritance
- ( ) Single inheritance

Introduction to Embedded Systems (SY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Date : 01-03-2021
Day : Monday

Class : SY
Branch : BSc. IT
Semester : IV
Subject : Introduction to Embedded Systems
Course Code: USIT402

Total marks : 20
Time : 01:00 PM - 01:30 PM
Duration: 30 minutes

* Required

1. Email address *

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2. Full Name *

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3. Roll No. *

   _____

4. Class *

   Mark only one oval.

   ⬭ SY

9. The instruction set of the RISC processor is. *

Mark only one oval.

- Simple and lesser in number
- Complex and lesser in number
- Simple and larger in number
- Complex and larger in number

10. EPROM stands for: *

Mark only one oval.

- Erasable Programmable read-only memory
- Electrically Programmable read write memory
- Electrically Programmable read-only memory
- Electrically Programmable write-only memory

11. Which of the following is a distributed embedded system? *

Mark only one oval.

- Cell phone
- Notebook Computer
- SCADA system
- Automatic vending machine

12. Response is a measure of *

Mark only one oval.

- Efficiency of the system
- Support and Maintenance
- Integrity
- Quickness of the system

17. CPU can read and write data by using *

Mark only one oval.

◯ Address bus

◯ Data bus

◯ Control bus

◯ Timer bus

18. The _____ architecture saves memory. *

Mark only one oval.

◯ Harvard

◯ Von-Neumann

◯ Harvard and Von-Neumann

◯ Princeton

19. The 8051 microcontroller is of ___pin package as a _____ processor. *

Mark only one oval.

◯ 30, 1byte

◯ 20, 1 byte

◯ 40, 8 bits

◯ 40, 8 byte

20. What is the function of DPTR? *

Mark only one oval.

◯ To point external memory

◯ To point I/O

◯ To point internal memory 64 Kbytes

◯ to store data

25. Medium scale Embedded Systems *

Mark only one oval.

- ( ) Are built around an 8-bit microcontroller/microprocessor.
- ( ) Are built around a 64-bit microcontroller/microprocessor.
- ( ) Are built around 16- or 32-bit microcontroller/microprocessors.
- ( ) Are built around a 128-bit microcontroller/microprocessor.

26. RISC Processors has *

Mark only one oval.

- ( ) Greater number of instructions
- ( ) Variable length instructions
- ( ) Limited number of general-purpose registers
- ( ) Lesser number of instructions

Computer Oriented Statistical Techniques (SY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Date : 02-03-2021
Day : Tuesday

Class : SY
Branch : BSc. IT
Semester : IV
Subject : Computer Oriented Statistical Techniques
Course Code: USIT403

Total marks : 20
Time : 11:00 AM - 11:30 AM
Duration : 30 minutes

* Required

1. Email address *

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3. Roll No. *

   _____

4. Class *

   Mark only one oval.

   ⬭ SY

10. The median of 7, 6, 4, 8, 2, 5, 11 is *

Mark only one oval.

- ⬭ 11
- ⬭ 12
- ⬭ 13
- ⬭ 6

11. If the Mean is 11 and Median is 13 than value of Mode is *

Mark only one oval.

- ⬭ 11
- ⬭ 12
- ⬭ 17
- ⬭ 16

12. The number of observation are 30 and the value of arithmetic mean is 15 than sum of all value is *

Mark only one oval.

- ⬭ 450
- ⬭ 234
- ⬭ 345
- ⬭ 459

13. If Q3=20 and Q1=10, the coefficient of quartile deviation is: *

Mark only one oval.

- ⬭ 1/7
- ⬭ 1/3
- ⬭ 1/5
- ⬭ 1/6

18. The standard deviation one distribution divided by the mean of the distribution and expressing in percentage is called: *

Mark only one oval.

◯ Coefficient of Standard deviation

◯ Coefficient of variation

◯ Coefficient of skewness

◯ Coefficient of quartile deviation

19. A bag has 5 white marbles, 8 red marbles and 4 purple marbles. If we take a marble randomly, then what is the probability of not getting purple marble? *

Mark only one oval.

◯ 0.5

◯ 0.66

◯ 0.08

◯ 0.77

20. A card is drawn from the set of 52 cards. Find the probability of getting a queen card. *

Mark only one oval.

◯ 1/26

◯ 1/13

◯ 4/53

◯ 4/13

21. The probability of each event lies between: *

Mark only one oval.

◯ 1 & 2

◯ 1 & 10

◯ 0 & 1

◯ 0 & 5

26. The expected value of a discrete random variable 'x' is given by _____ *

Mark only one oval.

- ⬭ P(x)
- ⬭ Σ P(x)
- ⬭ Σ x P(x)
- ⬭ 1

27. If E(x) = 2 and E(z) = 4, then E(z − x) =? *

Mark only one oval.

- ⬭ 2
- ⬭ 6
- ⬭ 0
- ⬭ Insufficient data

28. Find the expectation of a random variable X if $f(x) = ke^{-x}$ for x>0 and 0 otherwise. *

Mark only one oval.

- ⬭ 0
- ⬭ 1
- ⬭ 2
- ⬭ 3

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Software Engineering (SY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Date : 02-03-2021
Day : Tuesday

Class : SY
Branch : BSc. IT
Semester : IV
Subject : Software Engineering
Course Code: USIT404

Total marks : 20
Time : 01:00 PM - 01:30 PM
Duration: 30 minutes

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1. Email address *

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3. Roll No. *

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4. Class *

   Mark only one oval.

   ⬭ SY

10. What are the stages of SDLC? *

Mark only one oval.

- ◯ Requirement gathering, design, implementation & coding, testing, maintenance
- ◯ Requirement gathering, design, implementation & coding, testing
- ◯ Design, implementation & coding, testing, maintenance
- ◯ Design, testing, maintenance

11. Requirements which are related to the functional aspect of software are? *

Mark only one oval.

- ◯ Non-functional Requirements
- ◯ User Interface Requirements
- ◯ Functional Requirements
- ◯ Performance

12. Which of the following is one of the key process activities? *

Mark only one oval.

- ◯ Software validation
- ◯ Software requirements
- ◯ Easy Navigation
- ◯ Responsive

13. Which of the following are components of a software? (You can select multiple options) *

Check all that apply.

- ☐ Documentation
- ☐ Requirement Gathering
- ☐ Program
- ☐ Operating Procedures

18. Which of the following is not a Software System Requirement? *

Mark only one oval.

- ◯ Hardware
- ◯ Software
- ◯ Humans
- ◯ Programs

19. Select the different types of Critical System (you can select more than one) *

Check all that apply.

- ☐ Business
- ☐ Safety
- ☐ Functional
- ☐ Mission

20. Those critical systems which, if fails, can cause injuries to life or loss of life are categorized as _____ *

Mark only one oval.

- ◯ Safety Critical Systems
- ◯ Mission Critical Systems
- ◯ Business Critical Systems
- ◯ Functional Critical Systems

21. _____ is a system property that reflects the ability to protect itself from accidental or deliberate external attack. *

Mark only one oval.

- ◯ Security
- ◯ Safety
- ◯ Dependability costs
- ◯ Performance

25. What type of core-relationship is represented by the symbol in the figure below? *

Mark only one oval.

- ◯ Dependency
- ◯ Generalization
- ◯ Aggregation
- ◯ Association

26. RAD stands for *

Mark only one oval.

- ◯ Relative Application Development
- ◯ Rapid Application Development
- ◯ Rapid Application Document
- ◯ Relative Application Document

Which one of the following is not a phase of the Prototyping Model? *

Mark only one oval.

- ◯ Quick Design
- ◯ Coding
- ◯ Prototype Refinement
- ◯ Engineer Produc

Computer Graphics and Animation (SY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Date : 03-03-2021
Day : Wednesday

Class : SY
Branch : BSc. IT
Semester : IV
Subject : Computer Graphics and Animation
Course Code: USIT405

Total marks : 20
Time : 11:00 AM - 11:30 AM
Duration : 30 minutes

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1. Email address *

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2. Full Name *

   _____

3. Roll No. *

   _____

4. Class *

   Mark only one oval.

   ⃝ SY

10. The primary output device in a graphics system is_____ *

Mark only one oval.

○ Scanner

○ Video monitor

○ Neither a nor b

○ Printer

11. Why is the complexity of Bresenham's line drawing algorithm less than that of DDA line drawing algorithm? *

Mark only one oval.

○ It uses floating point operations over integer addition and subtraction

○ It considers only selected ranged inputs

○ It uses integer addition and subtraction over floating point operations

○ None of the above

12. What is the formula for calculating the slope 'm' of a line? *

Mark only one oval.

○ m = dx / dy

○ m = dy / dx

○ y = mx + c

○ x = cm+y

13. The devices which converts the electrical energy into light is called *

Mark only one oval.

○ Liquid-crystal displays

○ Non-emitters

○ Plasma panels

○ Emitters

18. The region code of a point within the window is .... *

    Mark only one oval.

    ○ 0000

    ○ 0001

    ○ 1000

    ○ 1111

19. The result of logical AND operation with endpoint region codes is a nonzero value. Which of the following statement is true? *

    Mark only one oval.

    ○ The line is completely inside the window

    ○ The line is completely outside the window

    ○ The line is partially inside the window

    ○ The line is already clipped

20. The _____ algorithm divides a 2D space into 9 regions, of which only the middle part (viewport) is visible. *

    Mark only one oval.

    ○ Cohen-Sutherland

    ○ Liang Barsky

    ○ Sutherland Hodegeman

    ○ N-L-N

21. In 2D-translation, a point (x, y) can move to the new position (x', y') by using the equation *

    Mark only one oval.

    ○ x'=x+dx and y'=y+dx

    ○ x'=x+dx and y'=y+dy

    ○ X'=x+dy and Y'=y+dx

    ○ X'=x-dx and y'=y-dy

26. What is the use of homogeneous coordinates and matrix representation? *

Mark only one oval.

- ( ) To treat all 3 transformations in a consistent way
- ( ) To scale the object
- ( ) To rotate the object
- ( ) To shear the object

27. If point are expressed in homogeneous coordinates then the pair of (x, y) is represented as *

Mark only one oval.

- ( ) (x', y', z')
- ( ) (x, y, z)
- ( ) (x', y', w')
- ( ) (x', y', w)

28. Which transformation distorts the shape of an object such that the transformed shape appears as if the object were composed of internal layers that had been caused to slide over each other? *

Mark only one oval.

- ( ) Rotation
- ( ) Scaling up
- ( ) Scaling down
- ( ) Shearing

Object Oriented Programming (FY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Class : FY
Branch : BSc. IT
Semester : II
Subject : Object Oriented Programming
Course Code : USIT201

Total marks : 20
Time : 11:00 AM - 11:30 AM
Duration : 30 minutes

* Required

1. Email address *

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2. Full Name *

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3. Roll No. *

   _____

4. Class *

   Mark only one oval.

   ◯ SY

5. Department *

   Mark only one oval.

   ◯ B.Sc. IT

11. What is the default access specifier for data members or member functions declared within a class without any specifier, in C++? *

Mark only one oval.

◯ Private

◯ Protected

◯ Public

◯ Depends on compiler

12. Which of the following describes a friend class? *

Mark only one oval.

◯ Friend class can access all the private members of the class, of which it is a friend

◯ Friend class can only access protected members of the class, of which it is a friend

◯ Friend class don't have any implementation

◯ Friend class can't access any data member of another class but can use it's methods

13. Which syntax for class definition is wrong? *

Mark only one oval.

◯ class student{ };

◯ student class{ };

◯ class student{ public: student(int a){ } };

◯ class student{ student(int a){} };

14. How members of an object are accessed? *

Mark only one oval.

◯ Using dot operator

◯ Using scope resolution operator

◯ Using member names directly

◯ Using pointer only

19. Which among the following is called first, automatically, whenever an object is created? *

    Mark only one oval.

    ◯ Class

    ◯ Constructor

    ◯ New

    ◯ Trigger

20. Which among the following is correct? *

    Mark only one oval.

    ◯ class student{ public: int student(){} };

    ◯ class student{ public: void student (){} };

    ◯ class student{ public: student{}{} };

    ◯ class student{ public: student(){} };

21. Which among the following best describes destructors? *

    Mark only one oval.

    ◯ A function which is called just before the objects are destroyed

    ◯ A function which is called after each reference to the object

    ◯ A function which is called after termination of the program

    ◯ A function which is called before calling any member function

22. Which among the following is the correct syntax for the destructors? *

    Mark only one oval.

    ◯ classname()

    ◯ ()classname

    ◯ ~classname()

    ◯ -classname()

27. How many data members can a class contain? *

Mark only one oval.

- ◯ 27
- ◯ 255
- ◯ 1024
- ◯ As many as required

28. Number of destructors called are _____ *

Mark only one oval.

- ◯ Always equal to number of constructors called
- ◯ Always less than the number of constructors called
- ◯ Always greater than the number of constructors called
- ◯ Always less than or equal to number of constructors

Microprocessor Architecture (FY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Date : 01-03-2021
Day : Monday

Class : FY
Branch : BSc. IT
Semester : II
Subject : Microprocessor Architecture
Course Code : USIT202

Total marks : 20
Time : 11:00 am - 11:30 am
Duration : 30 minutes

* Required

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3.   Roll No. *

     _____

4.   Class *

     Mark only one oval.

     ◯ FY

10. 8085 microprocessor has how many pins *

Mark only one oval.

- ◯ 30
- ◯ 45
- ◯ 40
- ◯ 35

11. HLT opcode means *

Mark only one oval.

- ◯ load data to accumulator.
- ◯ store result in memory.
- ◯ load accumulator with contents of register.
- ◯ end of program.

12. In 8085 name/names of the 16 bit registers is/are *

Mark only one oval.

- ◯ stack pointer.
- ◯ program counter.
- ◯ both SP and PC.
- ◯ none of these

13. What is SIM? *

Mark only one oval.

- ◯ Select interrupt mask.
- ◯ Sorting interrupt mask.
- ◯ Set interrupt mask.
- ◯ None of these.

18. Output of the assembler in machine codes is referred to as *

Mark only one oval.

○ Object program

○ Source program

○ Macroinstruction

○ Symbolic addressing

19. Which of the following statements for intel 8085 is correct? *

Mark only one oval.

○ Program Counter (PC) specifies the address of the instruction last executed

○ PC specifies the address of the instruction being executed

○ PC specifies the address of the instruction to be executed

○ PC specifies the number of instructions executed so far

20. The processor status word of 8085 microprocessor has five flags namely: *

Mark only one oval.

○ S, Z, AC, P, CY

○ S, OV, AC, P, CY

○ S, Z, OV, P, CY

○ S, Z, AC, P, OV

21. What are the sets of commands in a program which are not translated into machine instructions during assembly process, called? *

Mark only one oval.

○ Mnemonics

○ Directives

○ Identifiers

○ Operands

26. Assertion (A): Address bus is unidirectional. Reason(R): Data bus is bidirectional *

Mark only one oval.

- ⬭ Both A & R are true and R is the correct explanation of A
- ⬭ Both A & R are true but R is not the correct explanation of A
- ⬭ A is true but R is false
- ⬭ A is false but R is true

27. Assertion (A): The frequency of 8085 system is ½ of the crystal frequency. Reason(R): Microprocessor (8085) requires a two phase clock. *

Mark only one oval.

- ⬭ Both A & R are true and R is the correct explanation of A
- ⬭ Both A & R are true but R is not the correct explanation of A
- ⬭ A is true but R is false
- ⬭ A is false but R is true

28. ALU (Arithmetic and Logic Unit) of 8085 microprocessor consists of *

Mark only one oval.

- ⬭ Accumulator, temporary register, arithmetic and logic circuits
- ⬭ Accumulator, arithmetic, logic circuits and five flags
- ⬭ Accumulator, arithmetic and logic circuits
- ⬭ Accumulator, temporary register, arithmetic, logic circuits and five flags

Web Programming (FY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Date : 02-03-2021
Day : Tuesday

Class : FY
Branch : BSc. IT
Semester : II
Subject : Web Programming
Course Code : USIT203

Total marks : 20
Time : 11:00 AM - 11:30 AM
Duration : 30 minutes

* Required

1.   Email address *

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2.   Full Name *

_____

3.   Roll No. *

_____

4.   Class *

Mark only one oval.

⬭ FY

10. What is an ISP? *

Mark only one oval.

○ Internet System Protocol

○ Internal System Program

○ Internet Service Provider

○ Internal System Protocol

11. What is a FTP program used for? *

Mark only one oval.

○ Transfer files to and from an Internet Server

○ Designing a website

○ Connecting to the internet

○ None of the above

12. Which of the following is an attribute of <Table> tag? *

Mark only one oval.

○ SRC

○ LINK

○ CELLPADDING

○ BOLD

13. In HTML, Uniform Resource Identifier (URI) is used to *

Mark only one oval.

○ To create a frame document .

○ To create a image map in the webpage.

○ To customize the image in the webpage.

○ To identify a name or a resource on the internet.

18. How to insert an image in HTML? *

   Mark only one oval.

   ◯

   ◯

   ◯

   ◯

19. Which of the following is the correct way to create a list using the lowercase letters? *

   Mark only one oval.

   ◯ <ol alpha = "a" >

   ◯ <ol type = "a">

   ◯ <ol letter = "a">

   ◯ <ol Symbol = "a">

20. Which of the following HTML attribute is used to define inline styles? *

   Mark only one oval.

   ◯ style

   ◯ type

   ◯ class

   ◯ None of the above

21. Which of the following property of a table element specifies whether the browser should control the appearance of the adjacent borders that touch each other or whether each cell should maintain its style? *

   Mark only one oval.

   ◯ border-collapse

   ◯ border-spacing

   ◯ caption-side

   ◯ empty-cells

26. Which tag is used to encapsulate navigation and then style the elements appropriately as menu items? *

Mark only one oval.

⬭ ul

⬭ li

⬭ nav

⬭ both ul and li

27. What does the .com domain represents? *

Mark only one oval.

⬭ Education domain

⬭ Commercial domain

⬭ Network

⬭ Gaming Domain

28. Which of the following tag is used to insert a line-break in HTML? *

Mark only one oval.

⬭

⬭ <a>

⬭ <pre>

⬭ <b>

Numerical and Statistical Methods (FY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Date : 03-03-2021
Day : Wednesday

Class : FY
Branch : BSc. IT
Semester : II
Subject : Numerical and Statistical Methods
Course Code : USIT204

Total marks : 20
Time : 11:00 am - 11:30am
Duration : 30 minutes

* Required

1. Email address *

   ....

2. Full Name *

   ....

3. Roll No. *

   ....

4. Class *

   Mark only one oval.

   ◯ FY

10. The equation f(x) is given as $x^2-4=0$. Considering the initial approximation at x=6 then the value of x1 is given as _____ *

Mark only one oval.

○ 10/3

○ 4/3

○ 7/3

○ 13/3

11. The Iterative formula for Newton Raphson method is given by _____ *

Mark only one oval.

○ $x_1 = x_0-f(x_0)/f'(x_0)$

○ $x_0 = x_1-f(x_0)/f'(x_0)$

○ $x_0 = x_1+f(x_0)/f'(x_0)$

○ $x_1 = x_0+f(x_0)/f'(x_0)$

12. The Newton Raphson method fails if _____ *

Mark only one oval.

○ $f'(x_0)=0$

○ $f''(x_0)=0$

○ $f(x_0)=0$

○ $f'''(x_0)=0$

13. Which one of convergence is sensitive to starting value? *

Mark only one oval.

○ Newton-Raphson method

○ False position

○ Gauss seidel method

○ Gauss jordan method

18. Find x if xo = 0.6, n = 2.6 and h = 0.2. *

Mark only one oval.

○ 12

○ 1.2

○ 1.12

○ 1.22

19. Find n if xo = 0.75825, x = 0.759 and h = 0.00005. *

Mark only one oval.

○ 1.5

○ 15

○ 2.5

○ 25

20. Newton's second law of motion is *

Mark only one oval.

○ F=m.a

○ F=m

○ F=3.a

○ F= 4.a

21. Which of the following number has the largest precision *

Mark only one oval.

○ 3.142536

○ 3.141

○ 3.14

○ 3.231

26. In the floating-point system, the number 44.85 * 106 is represented *

Mark only one oval.

- ⬭ 4485E8
- ⬭ 4385E8
- ⬭ 4285E8
- ⬭ 4185E8

27. Percentage error= *

Mark only one oval.

- ⬭ 100*absolute error
- ⬭ 100*Relative error
- ⬭ 100*True value
- ⬭ 100*magnitude

28. The points where the Newton Raphson method fails are called? *

Mark only one oval.

- ⬭ floating
- ⬭ continuous
- ⬭ non-stationary
- ⬭ stationary

Green Computing (FY B.Sc. IT)

Academic year 2020-2021

INTERNAL EXAMINATION (MARCH 2021)

Date : 02-03-2021
Day : Wednesday

Class : FY
Branch : BSc. IT
Semester : II
Subject : Green Computing
Course Code : USIT205

Total marks : 20
Time : 1:00 pM - 1:30 pM
Duration : 30 minutes

* Required

1. Email address *

    _____

2. Full Name *

    _____

3. Roll No. *

    _____

4. Class *

    Mark only one oval.

    ◯ FY

10. Which among the following is not a renewable source of energy? *

Mark only one oval.

⬭ Solar energy

⬭ Biomass energy

⬭ Hydro-power

⬭ Geothermal energy

11. Identify the non-renewable energy resource from the following: *

Mark only one oval.

⬭ Coal

⬭ Fuel cells

⬭ Wind power

⬭ Wave power

12. Which of the following is a disadvantage of most of the renewable energy sources? *

Mark only one oval.

⬭ Highly polluting

⬭ High waste disposal cost

⬭ Unreliable supply

⬭ High running cost

13. Photovoltaic energy is the conversion of sunlight into: *

Mark only one oval.

⬭ Chemical energy

⬭ Biogas

⬭ Electricity

⬭ Geothermal energy

18. Fuel cells are: *

Mark only one oval.

- ⬭ Carbon cell
- ⬭ Hydrogen battery
- ⬭ Nuclear cell
- ⬭ Chromium cell

19. Both power and manure is provided by: *

Mark only one oval.

- ⬭ Nuclear plants
- ⬭ Thermal plants
- ⬭ Biogas plants
- ⬭ Hydroelectric plant

20. The outermost layer of the earth is: *

Mark only one oval.

- ⬭ Magma
- ⬭ Mantle
- ⬭ Crust
- ⬭ Solid iron core

21. Common energy source in Indian villages is: *

Mark only one oval.

- ⬭ Electricity
- ⬭ Coal
- ⬭ Sun
- ⬭ Wood and animal dung

26. BTU is measurement of: *

Mark only one oval.

- ⬭ Volume
- ⬭ Area
- ⬭ Heat content
- ⬭ Temperature

27. The first controlled fission of an atom was carried out in Germany in: *

Mark only one oval.

- ⬭ 1920
- ⬭ 1928
- ⬭ 1925
- ⬭ 1938

28. Boiling water reactor and pressurized water reactors are: *

Mark only one oval.

- ⬭ Nuclear reactor
- ⬭ Solar reactor
- ⬭ OTEC
- ⬭ Biogas reactor