

Total No. of Printed Pages:03

SUBJECT CODE NO:- D-4149**FACULTY OF SCIENCE**

B.Sc.(Information Technology) S.Y (Sem-III) Examination March/April 2018
I.T. Tools & Web Designing – II - IT303 - T
(Revised)

[Max. Marks: 50]**[Time: 1:30 Hours]**

Please check whether you have got the right question paper.

N.B

- 1) All questions are compulsory.
- 2) Illustrate your answer with suitable diagram & example wherever necessary.

Q.1

Fill in the blanks:

10

- 1) ----- number of new elements are introduced in HTML5.
 - a) 6
 - b) 4
 - c) 3
 - d) 2
- 2) The default character encoding in HTML5 is -----
 - a) UTF – 16
 - b) UTF – 32
 - c) ~~UTF – 8~~
 - d) ISO – 8859-1
- 3) The HTML5 element used to draw graphics via scripting is -----
 - a) <Fig.caption>
 - b) <mark>
 - c) ~~<canves>~~
 - d) <header>
- 4) The element to specify a list of predefined options for input control is -----
 - a) <embed>
 - b) ~~<details>~~ ~~–> list~~
 - c) <source>
 - d) <track>
- 5) ----- is not new element of HTML5.
 - a) ~~<ins>~~
 - b) <section>
 - c) <time>
 - d) None of above

2018

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- 6) ----- is heavily overloaded function.
a) jQuery ()
b) \$ ()
c) Script ()
d) Both a & b
- 7) ----- is an equivalent replacement of \$(document). ready (f)
a) jQuery (f)
b) \$(f)
c) # (f)
d) None of this
- 8) JQuery uses css selectors to select elements. It is -----
a) False
b) True
- 9) The speed options can be applied to which jQuery function.
a) css & ajax
b) Show & fadeIn
c) Togglecss
d) All of above
- 10) ----- JQuery method is used to set one or more style properties for selected elements.
a) css ()
b) html ()
c) style
d) none

Q.2 a) Explain set css classes in JQuery. 05
b) Explain JQuery syntax with suitable examples. 05

OR

a) Explain building an application with drag-and-drop. 10
Q.3 a) Explain web server in brief. 05
b) Explain JQuery event methods in brief. 05

OR

a) Explain checking forms with validation. 10

Q.4 a) What are the protocols of Http explain in brief.
b) Explain set content and attributes in brief.

OR

a) Explain JQuery effects in detail.

Q.5 Write a short note on (any two)

- a) JQuery selectors
b) Stylin validation
c) HTML5 forms

[Time: 1:30 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

N.B

- i) All questions carry equal marks
- ii) Attempt all questions

Q.1 Fill in the blanks

(10)

- 1 _____ browser does the HTML5 Supports
a) Safari b) Firefox c) Internet Explorer d) All of the above ✓
- 2 _____ elements<header>, <footer>, <article><section> are the new elements in HTML5.
These are called as _____
a) Control attributes b) Semantic elements ✓
c) Graphic elements d) Multimedia elements
- 3 Which of the following tag represents the header of a section in HTML5.
a) Section b) article c) aside d) header ✓
- 4 The tag used to define navigation links is _____
a) <dialog> b) <header> c) <meter> d) <nav> ✓
- 5 The tag to specify illustrations, diagrams, photos is _____
a) <mark> b) <figure> c) <aside> ✓ d) <details>
- 6 _____ is a single global function defined in Query Library.
a) jQuery() b) \$() ✓
c) Queryanalysis() d) /none of these
- 7 JQuery is a _____
a) Java Script Library b) Java Script Language
c) Java Script Method ✓ d) PHP method
- 8 The JQuery html () method works for both HTML & XML documents it is _____
a) True b) False
- 9 Is JQuery a W3C standard ?
a) No b) Yes ✓ c) cannot say
d) maybe a or b
- 10 JQuery main focus is _____
a) AJAX b) DOM manipulation ✓
c) Animation d) All of above

- Q.2 a) Explain in brief JQuery event methods
b) Explain HTTP methods in brief

(5)

(5)

OR

- a) Explain JQuery selectors in detail

(10)

2017

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(5)
(5)

(10)
(5)
(5)

(10)
(10)

- Q.3 a) What is web browser ? Explain HTTP protocol basics in brief
b) Explain transfer and control in brief

OR

- a) Explain JQuery add and remove elements with suitable examples
a) Explain HTML5 forms in brief
b) Explain web drag & drop in brief

OR

- a) What are the benefits of using JQuery explain in details

Write a Short note on (any two)

- a) JQuery call back function
b) Checking forms with validation
c) Attributes and functions in HTML

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

- i) All questions carry equal marks.
- ii) All questions are compulsory.

05

Q.1

- a) Multiple choice questions.
- 1) Member of class are _____ by default.
 - a) Public
 - b) protected
 - c) Private
 - d) Private & public
 - 2) _____ are invoked automatically when the objects are created.
 - a) array
 - b) array of object
 - c) Constructor
 - d) Destructor
 - 3) The private and public _____ are known as visibility labels
 - a) Keywords
 - b) Constants
 - c) Labels
 - d) Integers
 - 4) _____ function is a function that is expanded inline when it is invoked.
 - a) Inline
 - b) Nesting
 - c) Macro
 - d) Max function
 - 5) _____ means one name multiple forms.
 - a) Polymorphism
 - b) Static binding
 - c) Virtual function
 - d) Inheritance
- b) Match the following
- 1) Manipulator
 - 2) Dot (.) operator
 - 3) Destructor
 - 4) Constructor
 - 5) Cast operator
- 05
- a) Object is about to destroy
 b) Invoke with argument
 c) Convert one data type to other
 d) iomanip.h
 e) member access operator

2017

Q.2 a) Explain characteristics of an object oriented language. 05

b) Write a C ++ program to assign data to the members of a class as day, month & year and 05 to display the contents of the class on the screen.

OR

c) Explain the types of constructors with syntax. 10

Q.3 a) How the member function of a class is defined? 05

b) What is a constructor? Is it mandatory to use constructor in a class? 05

OR

c) Explain the rules for operator overloading 10

Q.4 a) Explain an array of class objects. 05

b) Write a C++ program to read a single letter of alphabet & find out whether it is vowel or 05 not

OR

c) Write a program in C++ for use of a class to perform arithmetic operations. 10

Q.5 Write a short note on [Any Two] 10

- 1) Call by value & call by reference
- 2) Friend function
- 3) Default arguments

Total No. of Printed Pages:2

SUBJECT CODE NO:- W-4137

FACULTY OF SCIENCE

B.Sc.(Information Technology) S.Y (III-Sem) Examination March/April 2017
Database Management System IT301-T (Revised)

[Max.Marks:50]

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

- i) All questions carry equal marks.
- ii) All questions are compulsory.

10

Q.1 Multiple choice questions.

- 1) Data Base Management System helps achieve
 - a) Data Independence
 - b) Centralized control of data
 - c) Neither A or B
 - d) Both A and B
- 2) E.R. diagram attributes are represented by
 - a) Rectangle
 - b) Square
 - c) Ellipse
 - d) Triangle
- 3) DBMS is collection of _____ that enables user to create and maintain a database
 - a) Keys
 - b) Translators
 - c) Program
 - d) Language Activity
- 4) Which of the following is Relation algebra operation.
 - a) Select
 - b) Union
 - c) Rename
 - d) All of the above
- 5) Which of the following is not a level of data abstraction?
 - a) Physical level
 - b) Critical level
 - c) Logical level
 - d) View level
- 6) A collection of interrelated files is known as
 - a) a field
 - b) a record
 - c) a database
 - d) None of these

2017

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- 7) A collection of fields arranged in predefined format is called a
a) Character
b) Record
c) Field
d) Database
- 8) Data base design should proceed only if the underlying logical data model is in at least _____ normal form.
a) Third
b) Second
c) Character
d) None of these
- 9) In relational Model terminology, table is considered as
a) Range
b) Domain
c) Relation
d) Tuple
- 10) The entity Relationship set is represented in E-R diagram as.
a) Double diamonds
b) Dashed lines
c) Undivided rectangles
d) Diamond

- Q.2 a) Define data and explain types of data.? 05
- b) What is the purpose of Data base system? 05
- a) What are the various fundamentals operations in relational algebra? Explain 10
- Q.3 a) Explain the 3-level architectural with neat diagram. 05
b) Explain advantages and disadvantages of D.B.M.S. 05
- a) What is E.R. diagram? Explain various components in ER diagram with the help of suitable example. 10
- Q.4 a) What is data model? And explain types of data model. 05
b) Explain various components of Data Base Management System. 05
- OR
a) Define a normal form. List the various normal forms. 10
- Q.5 Write a short note on (Any Two) 10
- 1) S.Q.L.
 - 2) Types of Attributes
 - 3) Data Base schema

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

- 1) All questions carry equal marks
- 2) All questions are compulsory

Q.1 Multiple choice questions

10

- 1) The most frequently occurring number in a set of values is called the -----
 a) Mean b) median c) mode d) Range
- 2) Which of the following is the formula for range?
 a) $H+L$ b) $L \times H$ c) $L-H$ d) $H-L$
- 3) The median is -----
 a) The middle point b) Highest value
 c) The average d) Affected by extreme scores
- 4) Focus groups, individual respondents and panels of respondents are classified as
 a) Pointed data sources b) itemized data sources
 c) secondary data sources d) primary data sources
- 5) Median, mode, deciles and percentiles are all considered as measures of
 a) Mathematical averages b) population averages
 c) sample averages d) averages of position
- 6) The random variables yield categorical responses so that the responses fit into one category or another
 a) Quantitative b) Discrete c) continuous d) Qualitative
- 7) ----- is one which is collected by the investigator himself for the purpose of a specific inquiry or study
 a) Secondary data b) primary data c) statistical data d) published data
- 8) The value lying half way between the upper limit and lower limit of the class is
 a) Class interval b) mid point c) frequency d) none of the above

- 9) The number of observations in a particular class is called
 a) Width of the class b) class mark c) frequency d) none of above

- 10) A pie diagram is also called
 a) Pictogram b) Angular diagram c) line diagram d) Bar diagram

- Q.2 a) Define statistics? Explain scope of statistics.
 b) Define mode with its merits and limitations?

OR

- a) Calculate mean & median from the following data.

Age	No of person
10-20	10
20-30	15
30-40	18
40-50	20
50-60	18
60-70	9

- Q.3 a) What is range? What are its advantages as measure of dispersion?
 b) What is mean by classification? State its important objective.

OR

- a) Find the mean deviation from following data

Marks	no of student
20	2
18	4
16	9
14	18
12	27
10	25
8	14
6	1

- Q.4 a) Calculate the standard deviation of the following data.

$$X: 48, 43, 65, 57, 31, 60, 37, 48, 59, 78$$

05

- b) Explain difference between graphical presentation and Diagrammatic presentation.

OR

$\sigma = \sqrt{\frac{\sum f_i D_i^2}{n}}$

2

2019

D-4055

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a) Calculate Quartile Deviation from the following data

Marks	No of student
10	4
20	7
30	15
40	8
50	7
60	2

Write a short note on (any two)

- a) Cumulative frequency distributions
- b) Variance
- c) Scatter diagram

Total No. of Printed Pages: 3

SUBJECT CODE NO:- D-4055

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc.(Information Technology) S.Y (Sem-III)

Examination Oct/Nov 2019

Statistical Method- IT306-T

[Max.Marks:50]

[Time: 130 Hours]

Please check whether you have got the right question paper.

N.B

- 1) All questions carry equal marks.
- 2) All questions are compulsory.

10

Q.1 Multiple choice questions

- 1) The most frequently occurring number in a set of values is called the -----
 a) Mean b) median c) mode d) Range
- 2) Which of the following is the formula for range?
 a) $H+L$ b) $L \times H$ c) $L-H$ d) $H-L$
- 3) The median is -----
 a) The middle point b) Highest value
 c) The average d) Affected by extreme scores
- 4) Focus groups, individual respondents and panels of respondents are classified as
 a) Pointed data sources b) itemized data sources
 c) secondary data sources d) primary data sources
- 5) Median, mode, deciles and percentiles are all considered as measures of
 a) Mathematical averages b) population averages
 c) sample averages d) averages of position
- 6) The random variables yield categorical responses so that the responses fit into one category or another
 a) Quantitative b) Discrete c) continuous d) Qualitative
- 7) ----- is one which is collected by the investigator himself for the purpose of a specific inquiry or study
 a) Secondary data b) primary data c) statistical data d) published data
- 8) The value lying half way between the upper limit and lower limit of the class is
 a) Class interval b) mid point c) frequency d) none of the above

- 9) The number of observations in a particular class is called
 a) Width of the class b) class mark c) frequency d) none of above

- 10) A pie diagram is also called
 a) Pictogram b) Angular diagram c) line diagram d) Bar diagram

Q.2

- a) Define statistics? Explain scope of statistics.
 b) Define mode with its merits and limitations?

OR

- a) Calculate mean & median from the following data.

Age	No of person
10-20	10
20-30	15
30-40	18
40-50	20
50-60	13
60-70	9

Q.3

- a) What is range? What are its advantages as measure of dispersion?
 b) What is mean by classification? State its important objective.

OR

- a) Find the mean deviation from following data

Marks	no of student
20	2
18	4
16	9
14	18
12	27
10	25
8	14
6	1

Q.4

- a) Calculate the standard deviation of the following data.

$$X: 48, 43, 65, 57, 31, 60, 37, 48, 59, 78$$

05

- b) Explain difference between graphical presentation and Diagrammatic presentation.

05

OR

a) Calculate Quartile Deviation from the following data

Marks	No of student
10	4
20	7
30	15
40	8
50	7
60	2

Q.5

Write a short note on (any two)

- a) Cumulative frequency distributions
- b) Variance
- c) Scatter diagram

10

Total No. of Printed Pages:2

SUBJECT CODE NO:- D-4052**FACULTY OF SCIENCE AND TECHNOLOGY****B.Sc.(Information Technology) S.Y. (Sem-III) Examination Oct/Nov 2019****Programming in CPP-IT-304-T****[Max.Marks:50]****[Time: 1:30 Hours]**

Please check whether you have got the right question paper.

N.B

- 1) All questions carry equal marks.
- 2) All questions are compulsory.

Q.1 Multiple Choice questions**10**

1. A _____ has the same name as that of a class.
 - (a) Constructor
 - (b) array
 - (c) function
 - (d) destructor

2. _____ are invoked automatically when the objects are created
 - (a) array
 - (b) array of objects
 - (c) Constructor
 - (d) destructor

3. The mechanism of giving such special meaning to an operator is known as _____
 - (a) Function overloading
 - (b) friend function overloading
 - (c) Operator overloading
 - (d) none

4. The class declaration is similar to a _____ declaration.
 - (a) struct
 - (b) class
 - (c) data handling
 - (d) function

5. The _____ private and public are known as visibility labels.
 - (a) Keywords
 - (b) constants
 - (c) Labels
 - (d) integers

6. A constructor that takes no argument is called _____ constructor
 - (a) Copy
 - (b) Parameterized
 - (c) Default
 - (d) copy & parameterized

7. The _____ function are generally not used within a body of loop.
 - (a) inline
 - (b) friend
 - (c) prototype
 - (d) none

8. The operator _____ is known as "extraction" or get from operator.
 - 1) >>
 - 2) >
 - 3) <<
 - 4) <>

9. The most common use of destructor is to _____ memory.
 - (a) activate
 - (b) allocate
 - (c) deallocate
 - (d) deactivate

10. _____ constructor function initializes the data members with no arguments
 (a) copy (b) parameterized
 (c) Default (d) none

Q.2	a) Explain the structure of C++ program.	05
	b) Write a program in C++ to find the area of circle (πr^2) where r is radius. OR Write a program in C++ to find whether a number is prime or not. Make use of copy constructor.	05
Q.3	a) Explain parameter passing (b) Write a C++ program, using inline function to compute & display the square of a given number. OR Differentiate between constructor and destructor.	05
Q.4	a) Explain setw and endl manipulator with example. b) Explain the syntax of copy & default constructor. OR Write a C++ program to print Fibonacci number using overloading of ++ operator	05
Q.5	Write short note on (Any Two) 1) Objects and its creation 2) Operator overloading 3) Inline function	10

Total No. of Printed Pages:2

SUBJECT CODE NO:- D-4052**FACULTY OF SCIENCE AND TECHNOLOGY****B.Sc.(Information Technology) S.Y. (Sem-III) Examination Oct/Nov 2019****Programming in CPP-JT-304-T****[Max.Marks:50]****[Time: 1:30 Hours]**

Please check whether you have got the right question paper.

N.B

- 1) All questions carry equal marks.
- 2) All questions are compulsory.

Q.1 Multiple Choice questions

10

1. A _____ has the same name as that of a class.

(a) Constructor	(b) array
(c) function	(d) destructor
2. _____ are invoked automatically when the objects are created

(a) array	(b) array of objects
(c) Constructor	(d) destructor
3. The mechanism of giving such special meaning to an operator is known as _____

(a) Function overloading	(b) friend function overloading
<input checked="" type="checkbox"/> (e) Operator overloading	(d) none
4. The class declaration is similar to a _____ declaration.

(a) struct	(b) class
(c) data handling	(d) function
5. The _____ private and public are known as visibility labels.

(a) Keywords	(b) constants
(c) Labels	(d) integers
6. A constructor that takes no argument is called _____ constructor

(a) Copy	(b) Parameterized
<input checked="" type="checkbox"/> (e) Default	(d) copy & parameterized
7. The _____ function are generally not used within a body of loop.

(a) inline	(b) friend
(c) prototype	(d) none
8. The operator _____ is known as "extraction" or get from operator.

<input checked="" type="checkbox"/> 1) >>	2) >	3) <<	4) <>
---	------	-------	-------
9. The most common use of destructor is to _____ memory.

(a) activate	(b) allocate
<input checked="" type="checkbox"/> (c) deallocate	(d) deactivate

10. _____ constructor function initializes the data members with no arguments
 (a) copy (b) parameterized
 (c) Default (d) none
- Q.2 a) Explain the structure of C++ program. 05
 b) Write a program in C++ to find the area of circle (πr^2) where r is radius. 05
 OR
 * Write a program in C++ to find whether a number is prime or not. Make use of copy constructor. 10
- Q.3 a) Explain parameter passing 05
 b) Write a C++ program, using inline function to compute & display the square of a given number.
 OR
 Differentiate between constructor and destructor. 10
- Q.4 a) Explain setw and endl manipulator with example. 05
 b) Explain the syntax of copy & default constructor.
 OR
 Write a C++ program to print Fibonacci number using overloading of ++ operator 10
- Q.5 Write short note on (Any Two)
 1) Objects and its creation
 2) Operator overloading
 3) Inline function

Total No. of Printed Pages:2

SUBJECT CODE NO:- D-4052**FACULTY OF SCIENCE AND TECHNOLOGY****B.Sc.(Information Technology) S.Y. (Sem-III) Examination Oct/Nov 2019**
Programming in CPP-IT-304-T**[Max.Marks:50]****[Time: 1:30 Hours]**

Please check whether you have got the right question paper.

N.B.

- 1) All questions carry equal marks.
- 2) All questions are compulsory.

Q.1 Multiple Choice questions**10**

1. A _____ has the same name as that of a class.
 (a) Constructor (b) array
 (c) function (d) destructor
2. _____ are invoked automatically when the objects are created
 (a) array (b) array of objects
 (c) Constructor (d) destructor
3. The mechanism of giving such special meaning to an operator is known as _____
 (a) Function overloading (b) friend function overloading
 (c) Operator overloading (d) none
4. The class declaration is similar to a _____ declaration.
 (a) struct (b) class
 (c) data handling (d) function
5. The _____ private and public are known as visibility labels.
 (a) Keywords (b) constants
 (c) Labels (d) integers
6. A constructor that takes no argument is called _____ constructor
 (a) Copy (b) Parameterized
 (c) Default (d) copy & parameterized
7. The _____ function are generally not used within a body of loop.
 (a) inline (b) friend
 (c) prototype (d) none
8. The operator _____ is known as "extraction" or get from operator.
 1) >> 2) > 3) << 4) <>
9. The most common use of destructor is to _____ memory.
 (a) activate (b) allocate
 (c) deallocate (d) deactivate

10. _____ constructor function initializes the data members with no arguments
 (a) copy (b) parameterized
 (c) Default (d) none
- Q.2 a) Explain the structure of C++ program. 5
 b) Write a program in C++ to find the area of circle (πr^2) where r is radius. 5
 OR
 Write a program in C++ to find whether a number is prime or not. Make use of copy constructor. 10
- Q.3 a) Explain parameter passing 5
 b) Write a C++ program, using inline function to compute & display the square of a given number.
 OR
 Differentiate between constructor and destructor. 10
- Q.4 a) Explain setw and endl manipulator with example. 5
 b) Explain the syntax of copy & default constructor.
 OR
 Write a C++ program to print Fibonacci number using overloading of ++ operator 10
- Q.5 Write short note on (Any Two)
 1) Objects and its creation
 2) Operator overloading
 3) Inline function

Total No. of Printed Pages:2

SUBJECT CODE NO:- D-4043**FACULTY OF SCIENCE AND TECHNOLOGY****B.Sc.(Information Technology) S.Y. (Sem-III) Examination Oct/Nov 2019****Database Management System****IT301-T****[Max. Marks: 50]****[Time: 1:30 Hours]**

Please check whether you have got the right question paper.

N.B

- 1) All questions carry equal marks.
- 2) All questions are compulsory.

Q.1 Multiple choice questions.

10

- 1) Data model is collection of conceptual tool for describing.
 - a) Data
 - b) Data schema
 - c) Consistency constraints
 - d) All of these
- 2) Set of all entities having same attributes is classified as
 - a) Entity type
 - b) Attribute type
 - c) Function type
 - d) Hierarchy type
- 3) Relational algebra is
 - a) Data definition language
 - b) Meta language
 - c) Procedural query language
 - d) Non procedural language
- 4) ----- is a collection of interrelated files.
 - a) Data
 - b) Data base
 - c) Table
 - d) None of these
- 5) The descriptive property possessed by each entity set is-----
 - a) Entity
 - b) Attribute
 - c) Relation
 - d) Model
- 6) One of the following is a valid record based data model.
 - a) Object oriented model
 - b) Relational model
 - c) E-R model
 - d) None of these
- 7) Architecture of the database can be viewed as
 - a) Two level
 - b) Four level
 - c) Three level
 - d) None of these
- 8) In a Hierarchical model records are organized as.
 - a) Graph
 - b) List
 - c) Links
 - d) Tree

- 9) A relational database developer refers to a record as
 a) Criteria
 b) Relation
 c) Tuple
 d) An attribute

- 10) Which of the following is record based logical model?
 a) Network model
 b) Object-oriented model.
 c) E-R model
 d) None of these

Q.2	a) Explain various components of DBMS?	05
	b) What is data model? List the important data models?	
OR		
	a) Explain network model and Hierarchical data model with suitable example?	10
Q.3	a) What is data? And explain types of data?	05
	b) Describe data abstraction in brief.	05
	OR	
	a) Draw an E-R diagram for library Management System Book (account no, name, author, price) Student (Id, name, phno, class) Teacher (Id, name, phno, dept.)	10
Q.4	a) Define a normal form. Explain list the various normal forms. b) List the three level of architecture and explain the use of each level in the architecture?	05
	OR	
	Explain the following operations of relational algebra.	10
	a) Union b) Intersection	
Q.5	Write a short notes on (any two)	10
	a) Oracle software b) Functional dependency c) Database schema	

Total No. of Printed Pages:2

SUBJECT CODE NO:-D-4046**FACULTY OF SCIENCE AND TECHNOLOGY****B.Sc.(Information Technology) S.Y. (Sem-III) Examination Oct/Nov 2019****Android- I****IT 302-T****[Time: 1:30 Hours]****[Max.Marks:50]****N.B**

Please check whether you have got the right question paper.

Q.1 Multiple choice questions. 10

- 1) A type of service provided by android that allows sharing and publishing of data to other applications is
 - a) View system
 - b) content providers
 - c) Activity Manager
 - d) Notifications Manager
- 2) UI design hierarchy and individual design elements can be seen using
 - a) Properties
 - b) component tree
 - c) layout
 - d) terminal
- 3) Android component that manages app's configuration file is called
 - a) Manifest
 - b) fragment
 - c) view
 - d) intent
- 4) Package of complied java codes with some other resources is called
 - a) SDK
 - b) IDE
 - c) APK
 - d) JDK
- 5) To create an emulator, you need an AVD. What does it stand for?
 - a) Android Virtual Display
 - b) Android Virtual Device
 - c) Active virtual Device
 - d) Application Virtual Display
- 6) What year was the open Handset Alliance announced?
 - a) 2005
 - b) 2006
 - c) 2007
 - d) 2008
- 7) There can be only one running activity at a given time.
 - a) True
 - b) false
 - c) can't say
 - d) depend on Condition
- 8) Android sizes fonts of mobile (Currently using app) using unit of measurement
 - a) SP
 - b) DP
 - c) CP
 - d) GP

9) Which one of the following is the latest nickname of a version of Android?

- a) Lollipop b) pie c) Oreo d) Nougat

10) The ----- file specifies the layout of your screen.

- a) Layout file b) Manifest file c) strings XML d) R file

Q.2

~~a)~~ What is Android Activity? Describe the life cycle of Android Activity. 05

b) What is Android ADT? Write the steps to install the ADT plugin for Eclipse. 05

OR

~~c)~~ Draw the Architecture diagram of Android with label and explain the four layers. 10

Q.3

a) What is a draw able resource in Android? How it is accessed in Android project, write the code and demonstrate it. 05

b) Explain in brief UI control: Radio Button, also show how it is used in Android Project. 05
OR

~~c)~~ Enlist the different Layout supported by the Android project and explain any two with example. 10

Q.4

a) Enlist any five event Handlers of Android studio and give the description of each. 05

~~b)~~ What is Style and Theme? Write the code to show how we define style in XML file. 05
OR

c) Create an Android project to "To convert temperatures in degrees Fahrenheit to Celsius". 10
The value of temperature is to be taken from user. Write the necessary code for main_activity.XML and Main Activity. Java
[Given for the temperature t compute $C = (t-32) \frac{5}{9}$]

Q.5

Write short notes on (any two.) 10

~~a)~~ Dalvik Virtual Machine

~~b)~~ Intent & type of Intent

~~c)~~ Android Theme

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OCT NOV 2018

N-4105

SUBJECT CODE NO:- N-4105

FACULTY OF SCIENCE

B.Sc. (Information Technology) S.Y. (Sem-III) Examination Oct/Nov 2018
Statistical Method- IT306 -T
(Revised)

[Max.Marks: 50]

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

- 1) All questions are compulsory.
- 2) All questions carry equal marks.

Q.1 Multiple Choice Questions.

10

- 1) The proportion of data indicated by the number of degrees in each Section of 360 is
a) Graph b) Pie diagram c) Circle d) Frequency curve
- 2) Type of variable which can take fixed integer value is classified as
a) Flowchart variable b) discrete variable
c) Continuous variable d) measuring variable
- 3) Median of 7,6,4,8,2,5,11 is
a) 6 b) 12 c) 11 d) 4
- 4) The standard deviation of first 50 natural number is
a) 45.43 b) 14.43 c) 20.43 d) 16.43
- 5) The letter used to denote variance of population is
a) $2\sigma^2$ b) $2\Sigma^2$ c) σ^2 d) ω
- 6) If mean of 6 number is 41 then sum of these number is.
a) 250 b) 246 c) 154 d) 456
- 7) If mean is 11 and median is 13 then value of mode is.
a) 15 b) 13 c) 17 d) 11
- 8) The most frequently occurring number in a set of values is called the -----
a) Mean b) Median c) Mode d) Variance
- 9) If classification of collected data is based on characteristics such as religion, education & caste, then this is considered as ----- classification.
a) Open end b) time series c) qualitative d) quantitative
- 10) Number of emergency cases in hospital for five days are 12, 15, 18, 16, 14 then variance of sample is -----
a) 5 b) 20 c) 4 d) 15

N-4105

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2018

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- Q.2 a) Give any two definition of statistic by the statistician. Enlist the scope of statistic. 05
 b) Explain the primary & secondary data & describe the types of data with example. 05

OR

- a) Explain the bar graph & type of bar graph yearly yields of grains (in quintal) of a farmer 10 are given below. Represent the data in the form of bar graph.

Year	2004	2005	2006	2007	2008
Wheat	35	40	45	40	45
Jowar	25	30	30	35	40

- Q.3 a) Write the formula to compute mode & median. Find the median of data 05
 22, 27, 35, 40, 29, 24, 26, 32.
 b) What is GM? Write the steps involved in computation of GM with suitable example. 05

OR

- a) The measurement (in mm) of the diameters of the head of the screws are given below:- 10

Diameter	33.35	36.38	39.41	42.44	45.47
No. of screws	10	19	23	21	27

Calculate the mean diameter of head of the screw by "Assumed Mean Method".

- Q.4 a) Define Range: How do we compute the range. Calculate the range for 20, 30, 40, 50, 200. 05
 Also find range if 200 is not present in the data set.
 b) Compute the quartile deviation (Q.D) of the following observations: 05
 20, 25, 29, 30, 35, 39, 41, 48, 51, 60 & 70.

OR

- a) The salary of 10 employee (in rupees) in a factory (per day) is 10
 50, 60, 65, 70, 80, 45, 75, 90, 95, 100.
 Calculate the variance & standard deviation.

- Q.5 Write short notes on:- (Any two). 10
 a) Primary & Secondary Data
 b) Geometric Mean
 c) Pie-chart