Total No. of Questions : 5]

SEAT No. : ____

PA-1966

[Total No. of Pages : 2

[5954]-301

B.B.A. (CA) (Semester - III)

CA-301 : DIGITAL MARKETING

(2019 Pattern)

Time : 2½ Hours] ***[Max. Marks : 70***

Instructions to the candidates :

1) ***All questions are compulsory.***
2) ***Neat diagrams must be drawn wherever necessary.***

Q1) **Answer the following (Any Eight) :** **[8 × 2 = 16]**

a) What is digital marketing?

b) What is email marketing?

c) Define the term Real Marketing.

d) What is Content Management?

e) Define web design.

f) What is CRM platform?

g) What is Social Media?

h) Define YouTube Analytics.

i) What is Resource Planning?

j) What is Blogging?

P.T.O.

Q2) **Attempt the following (Any Four) :** **[4 × 4 = 16]**

a) Explain the search engine optimization.

b) Describe Digital Marketing channels.

c) Explain the concept SEO optimization.

d) Explain CRM models in detail.

e) Describe Digital Display Marketing.

Q3) **Answer the following (Any Four) :** **[4 × 4 = 16]**

a) How to understand Social Media Marketing?

b) What is Social Media? Explain Blogging in detail.

c) What is Web analytics? Describe the levels.

d) Explain the concept of cost budgeting.

e) Explain MS Expression Web.

Q4) **Answer the following (Any Four) :** **[4 × 4 = 16]**

a) Explain the visual identity of a facebook page.

b) Explain the analyzing visition on Linkdin.

c) What is email marketing? How to keep up with the conversion?

d) Explain the concept Google Ads.

e) How to create business account on YouTube?

Q5) **Write a short note on (Any Two) :** **[2 × 3 = 6]**

a) Optimization of Instagram profile.

b) Social Networking.

c) SWOT Analysis.

Total No. of Questions : 5] **SEAT No. :**

PA-1967 **[Total No. of Pages : 2**

[5954]-302
S.Y. B.B.A. (Computer Application)
CA - 302 : DATA STRUCTURE
(2019 Pattern) (Semester - III)

Time : 2½Hours] ***[Max. Marks : 70***

Instructions to the candidates:

1) ***All questions are compulsory.***
2) ***Figures to the right side indicate full marks.***

Q1) Attempt any EIGHT of the following. **[8×2=16]**

a) How to measure performance of an algorithm?

b) What is polynomial? How is it differ from structure?

c) What is balance factor? How is it calculated?

d) What are Abstract Data types?

e) What is Ancestor of Node?

f) State the types of graph.

g) Differentiate array and structure.

h) What is space and time complexity?

i) What is pointer to pointer?

j) What is spanning tree?

Q2) Attempt any FOUR of the following. **[4×4=16]**

a) Explain Insertion sort technique with an example.

b) What is circular queue? How it is differ from static queue?

c) What is stack? What are the various applications of stack. List operations performed on stack.

d) Explain different types of AVL rotations with an example.

e) Explain various types of Dynamic Memory Allocation functions.

Q3) Attempt any FOUR of the following. **[4×4=16]**

a) Write a function to create and display doubly link list.

b) Write a recursive functions to traverse a tree by using inorder (), preorder () and postorder traversing functions.

P.T.O.

c) Write a function to delete first node from singly linked list.

d) Write a function to reverse a string using stack.

e) Write a 'C' Program for evaluation of polynomial.

Q4) Attempt any FOUR of the following. **[4×4=16]**

a) Construct an AVL tree for following sequencial data:

Jan, Feb, Apr, May, July, Aug, June.

b) Use merge sort technique on following data:

45, 85, 96, 78, 34, 12, 49, 38, 18.

c) Write a 'C' program to creat link list with given number in which data part of each node contains individual digits of the numbers.

d) What is circular queue? Explain it with example.

e) Construct Binary search tree of following data:

RAM, SITA, AMIT, JOEL, IVAN, ASHA

Q5) Attempt any TWO of the following. **[2×3=6]**

a) Define the following terms:

i) Directed graph

ii) Strict binary tree

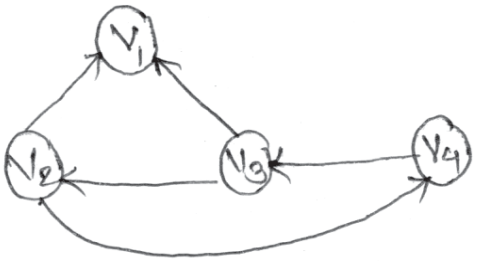
iii) Cyclic graph

b) Convert the following expression into postfix

i) A/B $ CD * E - A *C

ii) (A + B * C -D)/ E $ F

c) What is degree of vertex? Find the indegree and outdegree of following graph of each vertex:



Total No. of Questions : 5] **SEAT No. :**

PA-1968 **[Total No. of Pages : 2**

[5954]-303
S.Y. B.B.A. (Computer Application)
CA - 303 : SOFTWARE ENGINEERING
(2019 CBCS Pattern) (Semester - III)

Time : 2½ Hours] ***[Max. Marks : 70***

Instructions to the candidates:

1) ***All questions are compulsory.***
2) ***Neat diagrams must be drawn wherever necessary.***

Q1) Attempt any EIGHT of the following. **[2×8=16]**

a) What is system?

b) Define software?

c) Define RAD.

d) What is SRS.

e) State the principles of Software Testing?

f) What is software Reengineering?

g) State advantages of Waterfall model.

h) State any two types of coupling.

i) Define an Entity.

j) What is Pseudocode?

Q2) Attempt any four of the following. **[4×4=16]**

a) Explain various types of system.

b) Explain different McCall's quality factors.

c) Explain spiral model in detail.

d) Discuss different fact finding techniques.

e) Differentiate between White - Box and Black-Box Testing.

Q3) Attempt any four of the following. **[4×4=16]**

a) Material is issued to the department by considering whether the Material Requisition Note (MRN) is signed or not. It contains valid items or not and it is given within 8 hours or not. Draw decision table for the above case.

P.T.O.

b) Design a Input screen layout for creating user account on Internet (with personal details, user-id and password, save, cancel commands etc).

c) Draw decision tree for the following case:

A company gives discount on the purchase of goods depending on the sale and duration of payment:

i) 5% discount if order amount > 50,000.

ii) 3% discount if order amount between 25,000 and 50,000

iii) No discount if order amount < 10,000 or payment is not done within 8 days.

d) Design an screen layout for employees salary slip.

e) Draw ER-Diagram for "College Admission System".

Q4) Attempt any Four of the following. **[4×4=16]**

a) Draw first level DFD for Hospital Management system in which the hospital has Inpatient Department (IPD), outpatient Department (OPD) the system maintains patient records and bills of the patient.

b) Identify all entities of online shopping system.

c) Draw context level diagrams for online shopping system.

d) Draw first level DFD for customer Order system.

e) Explain elements of Data flow diagrams?

Q5) Write a short note on any Two of the following. **[3×2=6]**

a) Types of Cohesion

b) Validation and Verfication Testing.

c) Feasibility study.

♦ ♦ ♦

Total No. of Questions: 5]

SEAT No. :

PA-1969

[Total No. of Pages : 2

[5954]-304
Second Year B.B.A. (C.A.)
CA - 304 : ANGULAR JS
(2019 Pattern) (Semester-III)

Time : 3 Hours] ***[Max. Marks : 70***

Instructions to the candidates:

1) ***All questions are compulsory.***
2) ***Neat diagrams must be drawn wherever necessary.***
3) ***Figures to the right indicate full marks.***

Q1) Attempt any EIGHT of the following. **[8×2=16]**

a) Wht is SPA?
b) Explain ng-controller directive
c) Write any two features of AngularJS.
d) Explain two-way data binding.
e) What is Controller?
f) Explain $http Services.
g) Explain uppercase filter.
h) What is Dependency Injection?
i) Explain $timeout Service.
j) Explain Customer Validation.

Q2) Attempt any Four of the following. **[4×4=16]**

a) Explain most common directives used in AngularJS.
b) Explain MVC architecture in detail.
c) Explain built-in Services of AngularJS.
d) Write an AngularJS program to create Service for finding factorial of a number.
e) Write an AngularJS program for using $filter serice.

Q3) Attempt any Four of the following: **[4×4=16]**

a) Give difference between AngularJS and Javascript.
b) Explain the ways to implement customer directives in AngularJS.
c) Write advantage of creating Modules.
d) Write a Program that Can show the use of ng-repeot.
e) Write a program to demonstrate use of factory function.

P.T.O.

Q4) Attempt any Four of the following. **[4×4=16]**

a) What is the difference between $Scope and Scope?

b) Write a program to create a Service to calculate are of a circle.

c) Explain life cycle of a Module.

d) Write a Program to display name, qualification and address using MVC architecture.

e) Explain $document service, $logservice and $root service in brief.

Q5) Write short note on any Two of the following. **[2×3=6]**

a) Data binding.

b) Ng new, ng upadate.

c) angular. module.

Total No. of Questions: 5]

SEAT No. : ____

PA-1970

[Total No. of Pages : 2

[5954]-305
B.B.A. (Computer Application)
PHP
(2019 Pattern) (Semester-III) (CA-304)

Time : 2 ½ Hours ***[Max. Marks : 70***

Q1) Attempt any EIGHT of the following (out of Ten) **[8×2=16]**

a) List the types of array.

b) What are different arithmatic operators in PHP?

c) What is abstract class in PHP?

d) Define sticky form.

e) What is validation?

f) What is use of array-slice () in PHP?

g) What are the databases supported by PHP?

h) what is the use of session?

i) Which attribute is used for multiple selections in select tag?

j) What is the purpose of break statement?

Q2) Attempt any Four of the following (out of Five). **[4×4=16]**

a) Explain multidimensional array in PHP with example.

b) Write a PHP Program to check whether given year is leap year or not (use if else)

c) Write a PHP script to define an interface which has methods area () volume (). Define constant PI. Create a class cylinder which implements this interface and calculate area and volume

d) What are the built in functions of string?

e) Write a PHP program to reverse an array

Q3) Attempt any FOUR of the following (out of FIVE) **[4×4=16]**

a) What is variable in PHP? Explain its scope with example.

b) What is the difference between for and for each in PHP?

c) Write a PHP Program to display reverse of a string.

d) How to create cookies? Give an example.

e) Explain passing values by reference with an example.

P.T.O.

Q4) Attempt any four of the following (out of Five) **[4×4=16]**

a) What is array? Explain different types of array in PHP.

b) What is the difference between a while loop and do while loop in PHP.

c) Write a PHP program to find the sum of digit of a given number.

d) Write a PHP program to use multiple checkbox to select hobbies

e) List various MYSQL Queries with their Syntax.

Q5) Write a short note on Any Two of the following (out of Three) **[2×3=6]**

a) Explain advantages of PHP built in functions

b) Explain GET Method

c) List Advantages of PHP.

Total No. of Questions : 5]

SEAT No. : ____

PA-1971

[Total No. of Pages : 2

[5954]-306

S.Y. B.B.A. (C.A.)

CA- 305 : BIG DATA

(2019 CBCS Pattern) (Semester-III)

Time : 2½ Hours] ***[Max. Marks : 70***

Instruction to the candidates:

1) ***All questions are compulsory.***
2) ***Figures to right indicate marks.***

Q1) Attempt any EIGHT of the following. **[16]**

a) What is big data?

b) What is data manipulation?

c) What is data science?

d) What is statistical Inference?

e) Enlist the stages of data science?

f) Define Machine Learning.

g) Define SVM?

h) What is the use of histogram?

i) What is data analysis?

j) What is the use of themes?

Q2) Attempt any FOUR of the following. **[16]**

a) Explain different types of data analytics.

b) Give advantages and Disadvantages of Machine Learning.

c) Explain the process of data analysis.

d) Explain probability distribution modeling.

e) Explain applications of big data.

P.T.O.

Q3) Attempt any FOUR of the following. **[16]**

a) State advantages and disadvantages of SVM.

b) Explain Data frame with example.

c) Explain types of regression models.

d) What is histogram? Explain with example in R.

e) Explain functions included in "dplyr" package

Q4) Attempt any FOUR of the following. **[16]**

a) Explain Naive Bayes with the help of example.

b) What is data visualization? Explain with example in R.

c) Write a R program to accept temperatures in Fahrenheit (F) and print it in Celsius (C).

d) Accept three dimensions length (l), breadth (b) and height (h) of a cuboid and print its volume.

e) Write a R program accept any year as input and check whether the year is a leap year or not.

Q5) Write a short note on Any TWO of the following. **[6]**

a) Tools used in Big Data.

b) Advantages of Big data.

c) Advantages and Disadvantages of EM algorithms.

Total No. of Questions : 5]

SEAT No. : ____

PA-1972

[Total No. of Pages : 2

[5954]-307

S.Y. B.B.A. (Computer Application)

CA-305 : BLOCK CHAIN

(2019 Pattern) (Semester-III)

Time : 2½ Hours] ***[Max. Marks : 70***

Instruction to the candidates:

1) ***All questions are compulsory***
2) ***Figures to right indicate full marks.***

Q1) Attempt any EIGHT of the following (Out of TEN). **[8×2=16]**

a) What is proof of Stake?

b) Define hashing.

c) What is truffle in Ethereum?

d) Define Digital Signature.

e) Define Cryptography.

f) What is currency?

g) What is cryptocurrency?

h) What is smart contract?

i) Define Database.

j) What is fork?

Q2) Attempt any FOUR of the following (Out of FIVE). **[4×4=16]**

a) Explain Components of Blockchain.

b) What is Ethereum network? Explain with diagram.

c) What is DAO? Explain in detail.

d) Explain life cycle of Blockchain.

e) What is Hyperledger Fabric? Give Benefits of Hyperledger Fabric.

P.T.O.

Q3) Attempt any FOUR of the following (Out of FIVE). **[4×4=16]**

a) What is blockchain? Explain its Importance?

b) What is block? Explain its structure diagrammatically.

c) Explain types of network.

d) Explain Actros of Blockchain

e) What is gas? Why it is important in Ethereum?

Q4) Attempt any FOUR of the following (Out of FIVE). **[4×4=16]**

a) Describe DApps in details.

b) With the help of diagram describe EVM.

c) Explain Web3 in details.

d) What is an EVM in blockchain? Explain EVM with example.

e) What are the advantages of Hyperledger Fabric for blockchain networks.

Q5) Write a short note one Any TWO of the following. (Out of THREE). **[2×3=6]**

a) Differentiate between private key and public key.

b) Explain working of smart contracts.

c) Give Limitations of Blockchain.

Total No. of Questions : 5]

SEAT No. : ____

PA-1973

[Total No. of Pages : 2

[5954]-401
S.Y. B.B.A. (C.A.)
CA - 401 : NETWORKING
(2019 Pattern) (CBCS) (Semester - IV)

Time : 2½ Hours] ***[Max. Marks : 70***

Instructions to the candidates :

1) ***All questions are compulsory.***
2) ***Neat diagrams must be drawn wherever necessary.***

Q1) **Attempt any three of the following :** **[3 × 5 = 15]**

a) Define Network Topology? Explain different types of topologies.

b) Explain function of each layer of ISO-OSI reference Model.

c) What is wireless transmission? Explain any two media in detail.

d) Define the bridge? Explain the types of bridge.

Q2) **Attempt any three of the following :** **[3 × 5 = 15]**

a) Define Computer Network? Explain goals of Computer Network.

b) Explain different types of Addresses.

c) Explain propagation methods in detail.

d) Explain Firewall and its Security Features.

Q3) **Attempt any three of the following :** **[3 × 5 = 15]**

a) Draw TCP/IP model and state the function of each layer.

b) Compare connection oriented and connectionless services.

c) What is Router? Explain its components.

d) What is Ethernet? What are it's types? Explain any one in detail.

P.T.O.

Q4) **Attempt any three of the following :** **[3 × 5 = 15]**

a) Explain IEEE standards 802-11 in detail.

b) Compare ISO-OSI reference model and TCP/IP model.

c) What is cryptography? Explain encryption and decryption process.

d) Explain Fiber optic cable in detail.

Q5) **Write notes on (Any Two) :** **[2 × 5 = 10]**

a) Modes of Communication.

b) Bluetooth Architecture.

c) MAC sublayer with it's Frame Format.

d) Copyright.

Total No. of Questions : 5] **SEAT No. :**

PA-1974 **[Total No. of Pages : 3**

[5954]-402
S.Y. B.B.A. (Computer Application)
CA - 402 : OBJECT ORIENTED CONCEPTS THROUGH CPP
(2019 Pattern) (Semester - IV)

Time : 2½ Hours] ***[Max. Marks : 70***

Instructions to the candidates:

1) ***All questions are compulsory.***
2) ***Figures to the right indicate full marks.***

Q1) Attempt any EIGHT of the following (out of TEN). **[2×8=16]**

a) What is Encapsulation?

b) Define the following terms

i) Early Binding

ii) Late Binding

c) What is Inline function?

d) Explain get() and put () function.

e) What is stream?

f) Define Friend function.

g) Explain the use of new opreator, state the syntax.

h) State the need of virtual keyword.

i) State user defined data types in C++.

j) Explain the use of Scope Resolution operator.

Q2) Attempt any FOUR of the following (out of FIVE). **[4×4=16]**

a) List different types of constructor. Explain any one constructor with example.

b) What is function overloading? Explain with suitable example.

c) Describe different types of inheritance.

d) Explain virtual base class with suitable diagram.

e) Describe file manipulators with their syntaxes.

P.T.O.

Q3) Attempt any FOUR of the following (out of FIVE). **[4×4=16]**

a) Write a C++ program to copy contents of one file to another file.

b) Write a program to calculate area and circumference of a circle using inline function.

c) Declare a class of vehicle. Derived classes are two whecler, three wheeler and four wheeler. Display the properties of each type of vehicle using member functions of class.

d) Write a C++ program to use setfile ( ) and setiosflags ( ) manipulator.

e) Write a C++ program to compare two strings using overload operater "==".

Q4) Attempt any FOUR of the following (out of FIVE). **[4×4=16]**

a) Trace the output of the following program and explain it. Assume there is no syntax error.

```
# include <iostream.h>
 int i, j;
 Class sample
{
 Public:
        Sample (int a = 0, int b = 0)
        {
                i = a;
                j = b;
                show ( );
        }
        Void show ( )
        {
        Cout <<j <<" ";
        }
        };
        Void main ( )
        {
                Sample (5, 10);
                Int & x = i;
                int & y = j;

                i++;

        Cout << x - - << " " << ++y;

        }
```

b) Explain try, catch and throw in exception handling.

c) Design C++ class which contain function display ( ). Write a program to count number of times display ( ) function is called (Use static data member)

d) What is Destructor? State the importance of destructor with example.

e) What is tokens in C++? Explain in detail.

Q5) Write a short note on any TWO of the following (out of THREE) **[3×2=6]**

a) Call - by - value and call-by-reference

b) Data abstraction

c) Default Argument

Total No. of Questions : 5] **SEAT No. :**

PA-1975 **[Total No. of Pages : 3**

[5954]-403
S.Y. B.B.A. (Computer Application)
CA - 403 : OPERATING SYSTEM
(2019 Pattern) (Semester - IV)

Time : 2½ Hours] ***[Max. Marks : 70***

Instructions to the candidates:

1) ***All questions are compulsory.***
2) ***Neat diagrams must be drawn wherever necessary.***

Q1) Attempt any Eight of the following. **[2×8=16]**

a) Define the term operating system.

b) Define system program.

c) Which scheduler controls the degree of multiprogramming?

d) What is Turn-Around Time?

e) What is meant by Deadlock?

f) What is demand paging?

g) List any four attributes of files.

h) What do you mean by seek Time in Disk Scheduling.

i) What does FIFO and MFU stand for?

j) Define Rollback?

Q2) Attempt any four of the following. **[4×4=16]**

a) List and explain services provided by the operating system.

b) Explain Process Control Block (PCB) with diagram.

c) Explain 'Dining Philosopher' Synchronization problem.

d) What is Frogmentation? Explain types of its in detail.

e) Describe I/O Hardware with its type of I/O devices.

Q3) Attempt any four of the following. **[4×4=16]**

a) Explain various types of system programs.

b) Explain Indexed Allocation in detail.

P.T.O.

c) The request queue is as follows:

15, 27, 137, 18, 150, 65, 194.

Number of tracks = 0 to 199

Starting position or current head position = 128. Find total head movement by applying SSTF (Shortest Seek Time First) disk scheduling algorithm.

d) List any two types of Multiprocessor.

e) Consider the following set of processes with length of CPU Burst time and arrival time in milliseconds.

Process	Arrival	Time Burst Time
P_1	0	3
P_2	2	6
P_3	4	4
P_4	6	5
P_5	8	2

Calculate turn around time, waiting time, average waiting time and average turn around time using preemptive SJF scheduling algorithm.

Q4) Attempt any Four of the following. **[4×4=16]**

a) Consider the following snapshot of the system.

Process	Allocation				Max				Avaliable			
	A	B	C	D	A	B	C	D	A	B	C	D
P_0	0	0	1	2	0	0	1	2	1	5	2	0
P_1	1	0	0	0	1	7	5	0				
P_2	1	3	5	4	2	3	5	6				
P_3	0	6	3	2	0	6	5	2				
P_4	0	0	1	4	0	6	5	6				

Is the system safe? Justify?

If yes give safe sequence

b) Explain different methods for recovery from deadlock?

c) Consider a reference string 4, 7, 6, 1, 7, 6, 1, 2, 7, 2 the number of frames in the memory is 3. Find out number of page Faults respective to

i) FIFO

ii) LRU

d) Explain advantages and disadvantages of linked allocation methods.

e) Define the term:

i) Logical Address

ii) Physical Address

Q5) Write short note on any Two of the following. **[2×3=6]**

a) What is Interrupts.

b) What is medium term scheduler.

c) Explain semaphores and its types in detail.

♦ ♦ ♦

Total No. of Questions: 5]

SEAT No. :

PA-1976

[Total No. of Pages : 2

[5954]-404
SY B.B.A. (C.A.)
CA - 404 : NODE JS
(2019 Pattern) (Semester-IV)

Time : 2 ½Hours] ***[Max. Marks : 70***

Instructions to the candidates:

1) ***All questions are compulsory.***
2) ***Figures to the right indicate full marks.***

Q1) Answer the following (any Eight): **[8×2=16]**

a) What is the command to initialize node package manager (NPM)? write it's syntax.

b) What is REPL?

c) List any four core modules of node. JS.

d) List any two methods included under path module of node. JS.

e) For which tasks a File System module is used for?

f) Write a command to add dependency "express" using NPM.

g) Write a command to install MYSOL Package by using NPM.

h) Write down steps to handle http requests while creating web server using node. JS.

i) Write any two advantages of node. JS.

j) Write any two functions of Buffer used in node. JS.

Q2) Answer the following (any Four) **[4×4=16]**

a) Write a Program to update table records using node. JS and MySQL database.

b) Explain Node.JS Process Model with the help of diagram.

c) How does Node.JS handles a file request.

d) What is the Purpose of object module experts in node.JS?

e) Explain LC. readfile () method for all Possible ralves of options?

P.T.O.

Q3) Answer the following (any four) **[4×4=16]**

a) Write a Program which uses addlistener ( ) method of Event Emmitter class.

b) Write a short note on NPM.

c) Write a Program to delete table records using node.JS and MySQL database.

d) How do you install Packages locally using NPM. Explain with an example.

e) Compare Traditional web. server model and Node.JS Process model.

Q4) Answer the following (any four) **[4×4=16]**

a) Write a Program to use SoL SELECT very to show data from a table using node. JS and MySoL database.

b) Explain steps to install Node.JS on windows.

c) Write a Program to write to a file in node.JS

d) How to add dependency into Package JS on?

e) Write a Program to calcolate factorial of given number using function.

Q5) Answer the following (any two) **[2×3=6]**

a) Explain the meaning, purpose, steps to execute and output of below program:

```
var http = require ('http');
http. create server (function (req, res){
res. write head (200, {'content - Type' : 'text/htm' });
res. end ('Hello world');
}) listen (8080);
```

b) Explain working of writeHead ( )

c) Explain Inheriting events with suitable example.

Total No. of Questions : 4]

SEAT No. : ____

PA-1977

[Total No. of Pages : 2

[5954]-405

S.Y.B.B.A. (CA)

CA-404 : ADVANCED PHP

(2019 CBCS Pattern) (Semester - IV)

Time : 2½ Hours] ***[Max. Marks : 70***

Instructions to the candidates:

1) ***All questons are compulsory.***
2) ***Draw neat diagram wherever necessary.***

Q1) Attempt any Eight of the following. **[8×2=16]**

a) State the purpose of Extend Keyword.

b) What is Class?

c) What is $_ REQUEST variable?

d) What is Serialization?

e) What is Document object Model in PHP?

f) Describe any two content management system software.

g) What is $_ SERVER variable?

h) State the purpose of Final Keyword?

i) What is meaning of Self Processing form?

j) What is AJAX Script?

Q2) Attempt any Four of the following. **[4×4=16]**

a) Explain features of Joomal/Drupal.

b) What is SOAP? Explain in detail.

c) Explain XML MVC framework.

d) Difference between GET and POST method.

e) How to create object in PHP? Explain with example.

e) Write a simple PHP program which implements AJAX for addition of two numbers.s

P.T.O.

Q3) Attempt any Four of the following. **[4×4=16]**

a) Create a form to accept Customers Details and Display it on Next Page.

b) Write a PHP script to Design a form to accept a number from the user to check whether number is palindrome or not. (Use the concept of self processing page).

c) Write XML script to print the names of the students present in "Student.xml" file.

d) Define a class Employee having private member id, name, salary, dept. Define parametrised constructor. Create object and display details fo employee having maximum salary.

e) Write a simple PHP program which implements AJAX for addition of two numbers.s

Q4) Attempt any Four of the following. **[4×4=16]**

a) Explain the structure of WSDL.

b) Explain XML Parser.

c) Write a PHP script to display server information in table format (Use $_ SERVER).

d) What are the advantages of AJAX?

e) Write a PHP Script to read book. XML and print book details in tabular format using simple XML. (Content of book. XML are (bookcode, bookname, author, year, price).

Q5) Write a short note on any two of the following. **[2×3=6]**

a) Web services communication models.

b) Sticky Forms.

c) Encapsulation.

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