

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**MSc DEGREE EXAMINATION MAY 2019
(First Semester)**

Branch - **COMPUTER SCIENCE**

WEB APPLICATION'S DEVELOPMENT TECHNOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A HO Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 1 = 10)

- 1 An ___ client allows a user to log on to a remote computer for purposes to transferring files.

(i) FTP	(ii) Telnet
(iii) SMTP	(iv) HTTP
- 2 The WWW is implemented in the ___ layer.

(i) Application	(ii) Network
(iii) Session	(iv) Transport
- 3 SGML stands for _____.
 - (i) Session Generalized Markup Language
 - (ii) Standard Generalized Markup Language
 - (iii) Session Generated Markup Language
 - (iv) Standard Generalized Multiple Language
- 4 In which tag the descriptive list starts?

(i) <LL>	(ii) <DD>
(iii) <DL>	(iv) <DS>
- 5 PERL is an acronym for _____.
 - (i) Practical Extraction and Report Language
 - (ii) Performance Extensible and Report Language
 - (iii) Practical Extensible and Report Language
 - (iv) Programming Extraction and Report Language
- 6 During calculations, all numbers in Perl are represented as ___ numbers.

(i) Double Precision Floating Point	(ii) Single Precision Floating Point
(iii) Integer	(iv) Floating point
- 7 A key that is guaranteed to be unique for each data record is called a

(i) primary key	(ii) foreign key
(iii) secondary key	(iv) public key
- 8 DBI stands for _____.

(i) Database initialization	(ii) Database Interface
(iii) Database Interference	(iv) Database Inheritance
- 9 PHP is a recursive acronym for _____.

(i) Hypertext Preprocessor	(ii) Pre Hypertext Process
(iii) Public Hyper Processor	(iv) Preprocessor Hypertext

- 10 ASP is a technology for executing scripts on a _____ .
(i) Web server (ii) Website
(iii) Web pages (iv) Network server

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a Define WWW. How it works?
OR
b Explain the functionality of URL in web.
- 12 a List out the three kinds of HTML list structures with suitable example.
OR
b Explain the following with suitable examples :
(i) Control Buttons (ii) text Elements
- 13 a Show the method and steps of executing a Perl program locally with suitable commands
OR
b List out an explain some useful built-in functions in Perl.
- 14 a Analyze the pros and cons of storage method in tables and relational data.
OR
b Show the methods of creating a table, inserting records and deleting records in a table.
- 15 a Determine the types of control structures used in PHP.
OR
b Construct the rules for well formatted XML statements.

SECTION -C (40 Marks!)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Discuss the basic HTTP transactions in internet.
OR
b Illustrate the common server side technologies for web applications.
- 17 a Show the use of the HTML table tag and to design the tables with different requirement.
OR
b Explain the following concepts in Java Scripting Language with suitable examples :
(i) Loops (ii) Functions (iii) Arrays
- 18 a Discuss some basic operations, numeric and string contexts in detail.
OR
b Construct the steps to formatting the numeric output with suitable statements.
- 19 a Show the list of logical steps to be performed for a web application to interact with a database system.
OR
b Construct a DSN and connecting to a DSN using the Perl DBD - ODBC interface.
- 20 a Explain the various types of variables, constants and operators in ASP with suitable examples.
OR
b Describe the functions of XML in mobile data.