

XII Computer Applications Mar 2020 – Answer Key (New Syllabus)

Qno	Answers	Mark Split-ups
	Part I	
1	(D) Musical instrument Digital Identifier	1
2	(C) Ctrl +N	1
3	(B) Record	1
4	(A) INSERT	1
5	(C) // (or) (D) #	1
6	(C) 3	1
7	(C) hi	1
8	(D) None of these	1
9	(B) Query	1
10	(B) Node	1
11	(D) Transmission Control Protocol	1
12	(D) • (dot)	1
13	(B) Tim Berners Lee	1
14	(D) (A) and (B)	1
15	(B) Wireless Fidelity	1
	Part II (Q.No 24 is Compulsory)	
16	1. Place the Insertion Point to the Character to be deleted. 2. Press Backspace / Delete Key	1 1
17	Text editing means making changes to the existing text.	2
18	A primary key is a key that uniquely identifies a tuple (record) in a Table	2
19	A significant output of simulation is the trace files. Trace files can document every incident that happened in the simulation and are used for examination.	2
20	Form Validation is a process of checking the input data submitted by the user from client machine.	2
21	fopen() is a system function available in PHP. This function helps to open a file in the server. It contains two parameters.	2
22	When we have mixed group of people coming together online, many discussions arise which lead to personal attacks called flame wars.	2
23	Absolute URL & Relative URL	1+1
24	foreach (\$array as \$value) { code to be executed; }	2
	Part III (Q.No 33 is Compulsory)	
25	Animation is the process displaying still images so quickly so that they give the impression of continuous movement. Types – Path Animation and Frame Animation	2 1
26	Any text or object that you place on the master page will appear on the entire document pages. Logos, page numbers, headers, and footers are used in Master Page	2 1

27	A Web server is a Software that uses HTTP to serve the files that form Web pages to users.	1½
	A Web browser is a software application for accessing information on the World Wide Web.	1½
28	<ul style="list-style-type: none"> <li>• Standard Document Format</li> <li>• Transfer and Mapper</li> <li>• Communication Software</li> <li>• Communication Network</li> </ul>	3
29	Looping Structures are useful for writing iteration logics. It is the most important feature in PHP. Checks the condition at the beginning or at the end of the loop. Foreach loop is used to traverse the array easily.	3
30	The mysqli_connect function is used to connect Database server from PHP scripting.	1½
	Give the syntax (or) an example	1½
31	Intranet is a TCP/IP network with access restricted to members of an organization.	3
	(or) Intranet is a private network within an enterprise to share company data and computing resources between the employees.	
32	The cryptocurrency units are created by the solution of cryptographic tasks called mining. The miners not only generate new monetary units, but also initiate new transactions to the blockchain. The initial value of cryptographic currency is just the cost of consumed electricity. The secondary value is determined by the demand for the cryptocurrency.	3
33	User Defined Function (UDF) in PHP gives a privilege to user to write own specific operation inside of existing program module.	1½
	Syntax. function functionName( ) { Custom logic code to be executed }	1½
	Part IV	
34 (A)	Explain any 8 formats from the following RTF                      Plain Text                      TIFF BMP                      DIB                      GIF JPEG                      TGA                      PNG WAV                      MP3                      OGG AIFF                      WMA                      RA AVI                      MPEG	5
	(or)	
34 (B)	Explain any 8 tools from the following Pointer Tool                      Rotating Tool                      Line Tool Rectangle Tool                      Ellipse Tool                      Polygon Tool Hand Tool                      Text Tool                      Cropping Tool Constrained Line Tool                      Rectangle Frame Tool                      Zoom Tool Ellipse Frame Tool                      Polygon Frame Tool	5
35 A	Array is a concept that stores more than one value of same data type	2

	(homogeneous) in single array variable.  A multidimensional array is an array containing one or more arrays. Multidimensional arrays that are two, three, four, five, or more levels deep. However, arrays more than three levels deep are hard to manage for most people.  An Example	2       1
	(or)	
35 (B)	The switch statement is used to perform different actions based on different conditions. Switch statements work the same as if statements but they can check for multiple values at a time.  Syntax (or) Example	2       3
36 (A)	Explain about the functions fopen(), read() , close(), write() & file-put-contents()	1 1 1 1 1
	(or)	
36 (B)	A query is a request for data or information from a database table or combination of tables. An Example like this. <?php \$conn = mysqli_connect("localhost", "username", "password", "mydb"); \$sql_stmt="select * from Students"; \$result = mysqli_query(\$conn, \$sql_stmt); \$rows = mysqli_fetch_array(\$result); foreach(\$rows as \$t) { echo \$t." "; } mysqli_conn(\$conn); ?>	2       3
37 (A)	Physical Layer – Defines electrical & physical specifications Data Link Layer – Guarantees the data transmission from free of errors Network Layer – Determine the path of data packets Transport Layer – Guarantees the data transport successfully Session Layer – Establish session between different networks entities Presentation Layer – Translates data to the next layers Application Layer – Acts has an user interface platform	5
	(or)	
37 (B)	Explain any 5 cables Coaxial Cables, Twisted Pair Cables, Fibre Optics, USB Cables,	5

	Serial and Parallel Cables, Ethernet Cables.		
38 (A)	<p>Advantages of E-Commerce</p> <p>Operates on all day (24 X 7)</p> <p>Speed</p> <p>Shopping at cheaper price</p> <p>The whole world become a shop for today's customers</p> <p>Customers can shop from home from their convenience</p> <p>Disadvantages of E-Commerce</p> <p>we should wait between placing the order and having the product in hand.</p> <p>Returning goods, refunds, exchange and postage make one tiresome.</p> <p>Not all the companies use the personal information they obtained to improve services to consumers.</p> <p>Physical product disputes are a major disadvantage in E-Commerce.</p> <p>Not suitable for perishable and non-durable goods.</p> <p>Delivery ambiguity.</p>		2½
	(or)		
38 (B)	Digital Signature	Digital Certificate	5
	A digital signature is a mechanism that is used to verify that a particular digital document, message or transaction is authentic	A digital certificate is a computer file which officially approves the relation between the holder of the certificate and a particular public key	
	used to verify the trustworthiness of the data being sent	used to verify the trustworthiness of the sender	
	Ensure that a data remain secure	Binds a digital signature to an entity	
	It provides authentication, non-repudiation and integrity	It provides authentication and security.	
	A digital signature is created using a DSS, SHA1, SHA2 algorithms	A digital certificate works on the principle of PKCS, X.509, PGP formats	
	Use asymmetric keys	Use public keys	