

DIRECTORATE OF GOVERNMENT EXAMINATIONS, CHENNAI -6
HSE SECOND YEAR EXAMINATION, MARCH - 2025
COMPUTER APPLICATIONS - ANSWER KEY

Maximum Marks: 70

NOTE:

1. Answer written only in BLACK or BLUE ink pen should be evaluated.
2. Choose the correct answer and write the option code.

PART – I

Answer all the questions:

15×1=15

Question No	Option	Answer	Mark
1	(b)	Multimedia	1
2	(a)	Zoom tool	1
3	(b)	Ctrl+A	1
4	(a)	===	1
5	(d)	3	1
6	(b)	Conditional	1
7	(d)	None of the above	1
8	(c)	foreach loop	1
9	(b)	Entry check loop	1
10	(b)	Network	1
11	(b)	File Transfer Protocol	1
12	(b)	Tim Berners Lee	1
13	(a)	Digital publishing websites	1
14	(b)	Extranet	1
15	(b)	TDCC	1

PART – II

Answer any **six** questions. Question number **24** is **compulsory**.

6×2 = 12

16	The area outside of the dark border is referred to as the pasteboard.	2
17	1. Atomicity 2. Consistency 3. Isolation and 4. Durability	2
18	Hackers were skilled computer experts, some who with their technical knowledge access our accounts.	2
19	fclose(\$file_Object);	2
20	It is a private network within an enterprise to share company data and computing resources between the employees.	2
21	Zone is a group of contiguous domains and sub domains. If the zone has a single domain, then zone and domain are the same.	2
22	A significant output of simulation is the trace files. (Or) Trace files can document every incident that happened in the simulation and are used for examination.	2
23	Phishing is acquiring critical data like login credentials through telephone, sms, e-mail or any social media by the crackers disguising as authentic.	2
24	Hello, world!	2

PART – III

Answer any **six** questions. Question number **33** is **compulsory**.

6 × 3 = 18

25	TIFF,BMP,DIB,GIF,JEPG,TGA,PNG	3
26	<ul style="list-style-type: none"> ○ Any text or object that you place on the master page will appear on all the document pages to which the master is applied. ○ It shortens the amount of time because you don't have to create the same objects repeatedly on subsequent pages. ○ Master Pages commonly contain repeating logos, page numbers, headers, and footers. 	1 1 1
27	<p>In ER Model, relationship exists between two entities. Three types of relationships are available.</p> <ol style="list-style-type: none"> 1. One-to-One relationship 2. One-to-Many relationship 3. Many-to-Many relationship 	3
28	<p>PHP supports three different sets of tags</p> <p>PHP Default tags:</p> <p>In the PHP Default tags, PHP code is enclosed in <code><?php and?></code> tags.</p> <p>Short open tags:</p> <p>Short open tags are an alternative to the default syntax, and they allow you to use <code><? and?></code> instead of <code><?php and?></code>.</p> <p>HTML Script embed tags:</p> <p>php code is enclosed in</p> <pre><Script language=" php"> // PHP Code </Script></pre>	1 1 1
29	x is equal to 5	3
30	<p>There are four total layers of TCP/IP protocol:</p> <ul style="list-style-type: none"> • Network Access Layer • Internet Layer • Transport Layer • Application Layer 	3

31	RJ 45 CONNECTOR : <ul style="list-style-type: none"> • The RJ45 Connector looks similar like a telephone jack but it looks a slightly wider. • In RJ45 the "RJ" stands for the Registered Jack and the "45" simply refers to the interface standard. 	3
32	<ol style="list-style-type: none"> 1. Publisher: Emblem of the issuing bank. 2. Credit card number: The modern credit card number has 16-digit unique identification number. 3. Name of the cardholder: It is visibly embossed on the front side of the card. 4. EMV chip: It is integrated chip in addition to magnetic stripe to store cardholder's information. 5. RFID symbol: It indicates that it is a contactless smartcard. 6. Expiration month and year: The card is valid until the last day of the month printed on it. 7. Card brand logo: It is the name of the credit card network company. Eg: Visa, MasterCard and Rupay 8. Magnetic stripe: It is a magnetic material containing encrypted data about the card holder and account number. 9. Hologram: Hologram is a security feature that prevents duplication. 10. Signature: It is cardholder's signature at the back of the card. 11. CVC/CVV: Card Verification code/ value is a 3-digit code usually printed to the left of signature pane validates the card. <p style="text-align: right;">(Any three with explanation)</p>	3
33	<p><code>mysqli_query ("Connection Object", "SQL query");</code></p> <p style="text-align: right;">(with suitable example)</p>	3

PART – IV

Answer all the questions:

5x5 = 25

<p>34</p> <p>(a)</p>	<p>Multimedia File Formats:</p> <p>Text Formats</p> <ul style="list-style-type: none"> • RTF • Plain Text <p>Image Formats</p> <ul style="list-style-type: none"> • TIFF • BMP • DIB • GIF • JPEG • TGA • PNG <p>Digital Audio File Formats</p> <ul style="list-style-type: none"> • WAV • MP3 • OGG • AIFF • WMA • RA <p>Digital Video File Formats</p> <ul style="list-style-type: none"> • AVI • MPEG <p style="text-align: center;">(Any Two main heading with explanation)</p> <p style="text-align: center;">(OR)</p>	<p style="text-align: center;">3</p>
<p>34</p> <p>(b)</p>	<p>1.Key Attribute</p> <p>2.Simple Attribute</p> <p>3.Composite Attribute</p> <p>4.Single valued Attribute</p> <p>5.Multi valued Attribute</p> <p style="text-align: right;">(with Explanation)</p>	<p style="text-align: center;">2</p> <p style="text-align: center;">3</p>

36 (b)	<ul style="list-style-type: none"> • Consumer to Consumer • Consumer to Business • Consumer to Government • Business to Consumer • Business to Business • Business to Government • Government to Consumer • Government to Business • Government to Government <p>(Any 4 with explanation)</p>	2 3
37 (a)	<p>a. Internet banking:</p> <ul style="list-style-type: none"> ➤ Internet banking is a collective term for E-banking, online banking, virtual banking. ➤ Internet banking allows customers of a financial institution to conduct various financial transactions on a secure website operated by the banking institutions. ➤ This is a very fast and convenient way of performing any banking transactions. <p>b. Mobile banking:</p> <ul style="list-style-type: none"> ➤ Mobile banking is another form of net banking. ➤ The term mobile banking refers to the services provided by the bank to the customer to conduct banking transactions with the aid of mobile phones. <p>(OR)</p>	3 2
37 (b)	<ol style="list-style-type: none"> 1. Improving service to end users 2. Increasing productivity 3. Minimizing errors 4. Slashing response times 5. Automation of operations 6. Cutting costs 7. Integrating all business and trading partners 8. Providing information on process status 9. Optimizing financial ratios 	5

38 (a)	<p>In PHP, a multidimensional array is an array that contains one or more arrays as its elements.</p> <p>(with any suitable example)</p> <p>(OR)</p>	2 3
38 (b)	<pre><?php for (\$i = 10; \$i>=1; \$i--) { echo \$i . "
"; } ?></pre> <p>(Or)</p> <pre><?php for (\$i = 10; \$i>=1; \$i--) { echo \$i; } ?></pre>	5