

HSE II YEAR – MARCH/APRIL 2023 – ANSWER KEY**COMPUTER APPLICATIONS**

PART – I

(MAX. MARKS=70)

CHOOSE THE MOST APPROPRIATE ANSWER:

15x1=15

| Q.No. | ANSWERS | MARKS |
|-------|-----------------------------|-------|
| 1 | c) Web casting | 1 |
| 2 | d) paste board | 1 |
| 3 | a) Relational | 1 |
| 4 | a) PHP | 1 |
| 5 | d) Key value | 1 |
| 6 | d) Bounded loops | 1 |
| 7 | a) Radio button | 1 |
| 8 | a) NEW FIBRE OPTICS | 1 |
| 9 | c) RFID | 1 |
| 10 | a) 63 | 1 |
| 11 | a) Fiber optics | 1 |
| 12 | b) Internet based companies | 1 |
| 13 | a) NS2 | 1 |
| 14 | b) Pretty Good Privacy | 1 |
| 15 | a) Zoom tool | 1 |

PART – II

ANSWER ANY SIX QUESTIONS QUESTION No . 24 IS COMPULSORY

6x2=12

| Q.No. | ANSWERS | MARKS |
|-------|--|--------|
| 16 | <ul style="list-style-type: none"> The word Multimedia consists of two words “ multi” and “media”. Multiple forms of media are combined together. It Provides services like communication, presentation and Input / Output interactions of Text,Video, Images, Graphics and Audio. Multimedia technology has brought a lot of changes to computing, entertainment and education. <p>(Any One)</p> | 1 1 |
| 17 | A Text block contains text you type, paste or import. | 2 |
| 18 | <ul style="list-style-type: none"> High Availability High Performance Robust Transactions and support Ease of Management Less Cost <p>(Any Two)</p> | 2 |
| 19 | Variable name must always begin with a \$ symbol. | 2 |
| 20 | Form Validation is a process of checking the input data submitted by the user from client machine. | 2 |
| 21 | <p>A significant output of simulation is the trace files. (Or)</p> <p>Trace files can document every incident that happened in the simulation.</p> | 2 |
| 22 | <p>Wi-Fi :</p> <ul style="list-style-type: none"> It provides connection to Internet. Flexibility of LAN. Ensures Connectivity. It allows remote places to benefit from connectivity. Low cost, high benefits. <p>(Any Two)</p> | 2 |

| | | |
|----|--|---|
| 23 | <ul style="list-style-type: none"> • URL – Uniform Resource Locator • It is the address of a document on the Internet. | 2 |
| 24 | <p>Network at home were connected in two ways</p> <ul style="list-style-type: none"> • Wired Network • Wireless Network <p style="text-align: right;">(Compulsory Question)</p> | 2 |

PART- III

ANSWER ANY SIX QUESTIONS QUESTION No . 33 IS COMPULSORY

6x3=18

| Q.No. | ANSWERS | MARKS |
|-------|---|-------|
| 25 | <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. • Master pages commonly contain repeating logos, page numbers, headers and footer. | 3 |
| 26 | <ul style="list-style-type: none"> • Asymmetric key encryption is also known as public key encryption. • It uses public key authentication and digital signatures. • Different keys are used for encryption and decryption. • Speed of encryption or decryption is comparatively slow. • The size of cipher text is always greater than plain text. <p style="text-align: right;">(Any Three)</p> | 3 |
| 27 | <p>File handling functions</p> <ol style="list-style-type: none"> 1. fopen () – PHP open a file. 2. fread() – PHP read a file. 3. fclose() – PHP close a file. | 3 |
| 28 | <ul style="list-style-type: none"> • Wasting the precious time on internet surfing, searching unwanted things. • Unnecessary wrong informations are sometimes posted by some people on their web pages, blog etc., • Different types of thefts related to money and other valuable can take place through internet as hackers and viruses are always active around. | 3 |

| 29 | <p>1.HTTP – Hyper Text Transfer Protocol It is used between a web client and a web server and it guarantees non–secure data transmissions.</p> <p>2. HTTPS – Hyper Text Transfer Protocol Secure It is used between a web client and a web server ensures secure data transmission.</p> <p>3.FTP – File Transfer Protocol It is used between computers for sending and receiving files.</p> | 1 1 1 | | | | | | |
|--|---|---------------------|--------------|---|--|--|---|---|
| 30 | <ul style="list-style-type: none"> • In B2C E-Commerce, Commercial transactions takes place between business firms and their consumers. • It is the direct trade between companies and end–consumers via the internet. An example of B2C transaction is a book company selling books to customers. (Or any related example) | 3 | | | | | | |
| 31 | <table border="1"> <thead> <tr> <th data-bbox="326 842 727 877">Absolute URL</th> <th data-bbox="735 842 1130 877">Relative URL</th> </tr> </thead> <tbody> <tr> <td data-bbox="326 877 727 982">Absolute URL is the complete address of a document on the internet.</td> <td data-bbox="735 877 1130 982">It is the partial address of a document on the internet.</td> </tr> <tr> <td data-bbox="326 982 727 1136">It contains all the information that are required to find files on the internet.</td> <td data-bbox="735 982 1130 1136">It contains only file name or file name with folder name.</td> </tr> </tbody> </table> | Absolute URL | Relative URL | Absolute URL is the complete address of a document on the internet. | It is the partial address of a document on the internet. | It contains all the information that are required to find files on the internet. | It contains only file name or file name with folder name. | 3 |
| Absolute URL | Relative URL | | | | | | | |
| Absolute URL is the complete address of a document on the internet. | It is the partial address of a document on the internet. | | | | | | | |
| It contains all the information that are required to find files on the internet. | It contains only file name or file name with folder name. | | | | | | | |
| 32 | <ul style="list-style-type: none"> • In ER Mode, relationship exists between two entities. • Types of relationship <ol style="list-style-type: none"> 1.One to One relationship 2.One to Many relationship 3.Many to Many relationship | 1 2 | | | | | | |
| 33 | <p><u>Output :</u></p> <p>75 (Compulsory Question)</p> | 3 | | | | | | |

PART- IV

ANSWER ALL THE QUESTIONS

5x5=25

| Q.No. | ANSWERS | MARKS |
|-------------------------|---|-------|
| 34 (a) | Multimedia Production Team: 1. Production Manager 2. Content Specialist 3. Script Writer 4. Text Editor 5. Multimedia Architect 6. Computer Graphic Artist 7. Audio and video specialist 8. Computer Programmer 9. Web Master (Explain any five) (OR) | 5 |
| 34 (b) | Advantages of EDI 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 |
| 35 (a) | Tools in Pagemaker Tool box 1. Pointer Tool 2. Text Tool 3. Rotating Tool 4. Cropping Tool 5. Line Tool 6. Constrained line Tool 7. Rectangle Tool 8. Rectangle Frame Tool 9. Ellipse Tool 10. Ellipse Frame Tool 11. Polygon Tool 12. Polygon Frame Tool 13. Hand Tool 14. Zoom Tool (Explain any 10) (OR) | 5 |

| | | |
|-------------------------|--|---|
| 35 (b) | The development and Growth of Electronic Commerce. 1. The First Wave of Electronic Commerce : 1995 – 2003 2. The Second Wave of Electronic Commerce:2004– 2009 3. The Third Wave of Electronic Commerce : 2010 - Present (Explain above Topics) | <p style="text-align: center;">5</p> |
| 36 (a) | <ul style="list-style-type: none"> • Draw the frame of your choice using the Page Maker's Frame Tools. • Select the text block you want to insert in the frame. • Click the frame while pressing the shift key. Now both elements will be selected. • Choose Element --> Frame --> Attach Content on the menu bar. • Now the text appears in the frame. <p style="text-align: center;">(OR)</p> | <p style="text-align: center;">5</p> |
| 36 (b) | The switch case is an alternative to if..elseif..else statement which executes a block of code corresponding to the match. Syntax: <pre> switch (n) { case label1: code to be executed; break; case label2: code to be executed; break; case label3: code to be executed; break; default: code to be executed; } </pre> <p style="text-align: center;">(any related example)</p> | <p style="text-align: center;">2</p> <p style="text-align: center;">2</p> <p style="text-align: center;">1</p> |
| 37 (a) | <ul style="list-style-type: none"> • foreach loop is exclusively available in PHP. • It is mainly used for looping the value of an array. • The loop iteration is on each KEY value pair in array. syntax: <pre> foreach (\$array as \$value) { code to be executed; } </pre> <p style="text-align: center;">(any related example)</p> <p style="text-align: center;">(OR)</p> | <p style="text-align: center;">2</p> <p style="text-align: center;">2</p> <p style="text-align: center;">1</p> |

| | | |
|---------------------------------|--|---|
| <p>37 (b)</p> | <p>(i) Internet:</p> <ul style="list-style-type: none"> • The Internet, “ the Net” is a worldwide system of computer networks. • A network of networks where the users at any one computer can, if they have permission, get information from any other computer. • The internet is a network of global connections comprising private, public, business, academic and government networks. <p>(any two)</p> <p>(ii) Intranet:</p> <ul style="list-style-type: none"> • It is a private network with an enterprise to share company data and computing resources between the employees. • It may consists of many interlinked local area networks. <p>(iii) Extranet:</p> <ul style="list-style-type: none"> • It is a private network that uses Internet Technology and the public telecommunication system to securely share business information with suppliers, vendors, partners, customers or other business. | <p style="text-align: center;">2</p> <p style="text-align: center;">2</p> <p style="text-align: center;">1</p> |
| <p>38 (a)</p> | <p><u>Output:</u></p> <p style="text-align: center;">The Student is eligible for promotion</p> <p style="text-align: center;">(OR)</p> | <p style="text-align: center;">5</p> |
| <p>38 (b)</p> | <p>Credit Card: Credit card is an electronic payment system used for retail transactions.</p> <p>Key Players:</p> <ul style="list-style-type: none"> • Bearer • Merchant • Acquirer • Credit card network • Issuer <p style="text-align: right;">(Explain any Two)</p> <p>Merits:</p> <ul style="list-style-type: none"> • Credit cards are accepted worldwide. • Not necessary to pay at the time of purchase. • Customers can get an extra period to pay the purchase. • Allow purchases over the internet in installments. <p style="text-align: right;">(Any Two)</p> | <p style="text-align: center;">1</p> <p style="text-align: center;">2</p> <p style="text-align: center;">2</p> |