



# MRA DAV PUBLIC SCHOOL

**Pre-Board Examination – 2020-21**

**Subject - Information Technology**

**(Subject Code-402)**

**Class – X**

**Max. Time: 2 Hours**

**Max. Marks: 50**

## **General Instructions:**

1. Please read the instructions carefully.
2. This Question Paper consists of **21 questions** in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **Out of the given (5 + 16 =) 21 questions, a candidate has to answer (5 + 10 =) 15 questions in the allotted (maximum) time of 2 hours.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (24 MARKS):**
  - i. This section has 05 questions.
  - ii. Marks allotted are mentioned against each question/part.
  - iii. There is no negative marking.
  - iv. Do as per the instructions given.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (26 MARKS):**
  - i. This section has 16 questions.
  - ii. A candidate has to do 10 questions.
  - iii. Do as per the instructions given.
  - iv. Marks allotted are mentioned against each question/part.

## SECTION A: OBJECTIVE TYPE QUESTIONS

<b>Q. 1</b>	<b>Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)</b>	
i	The communication process consists of several steps in ....., the receiver interprets the message and translate it into meaningful information. a) Feedback                      b) Noise                      c) decoding                      d) encoding	1
ii	..... is a power that drives us to keep moving ahead. It encourages continuous learning and success. a) Self regulation    b) Self motivation    c) Society                      d)Self awareness	1
iii	Self – regulation is controlling : a) Behaviour              b) Emotions              c) Thoughts                      d) All of the above	1
iv	What is the term used when you press and hold the left mouse key and move the mouse around? a) Highlighting              b) Dragging              c) Selecting                      d) Moving	1
v	Which organisation has made the Sustainable Development Goals. a) United Nations    b) League of Nations    c) UNICEF                      d) WHO	1
vi	Ravi's customer comes to his store and starts shouting at him. He does not get angry. He listens to what his customer is saying. He is _____. a) Hardworking              b)confident              c)patient                      d) prying new ideas	1
<b>Q.2</b>	<b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>	
i	..... is designed to help users with auditory impairments. a) Filter keys    b) Toggle Keys              c) Sound Sentry              d) Serial Key	1
ii	S Vinesh Company has got offices all over India. Company wants to connect all its office so that transfer of information can be fast. Which of the following is the best and economical connectivity option for the company? a) Dial up connection    b) Broadband              c) ISDN                      d) None of theses	1
iii	When a combination of hardware and software enables a person with a disability or impairment to use a computer, it is known as: a) Mechanical assistance                      b) Assertiveness c) Assistive Technology                      d) Assistance and Communication	1
iv	Central computer which is powerful than computers in the network is called : a) Client              b) Server              c) Hub                      d) Switch	1
v	Exchange of information online is known as ..... a) Electronic data exchange                      c) E-shopping b) Electronic commerce                      d) None of these	1
vi	What does 'S' and 'G' stand for in WYSIWYG? a) Software and Get                      c) See and Get b) See and Go                      d) All of these	1

<b>Q.3</b>	<b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>	
i	The space left between the margin and the start of a paragraph is called : a) Spacing      b) Indentation      c) Gutter      d) Alignment	1
ii	How can you know the name of the style of current paragraph? a) Through the status bar   b) through the style box   c) find box   d) all of these	1
iii	To join two or more cells.....option is used a) Merge cells    b) Protect cells      c) Split cells      d) None of the above	1
iv	..... menu contains image related options. a) Format      b) Edit      c) Insert      d) Table	1
v	The.....tool in drawing toolbar is used for typing the text in comic style. a) Templates    b) Flow Charts      c) Shapes      d) Callouts	1
vi	A ____ is a model that you use to create other documents. a) Styles      b) template      c) Wizard      d) Sample	1
<b>Q.4</b>	<b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>	
i	Getting data from a cell located in a different sheet is called..... a) Accessing    b) Referencing      c) Updating    d) Functioning	1
ii	Which of the following option helps to change the values of the formula cells when the user changes the data for consolidation? a) Automatic Update   b) Link to source data   c) Copy result to   d) Auto Consolidate	1
iii	Which of the part offers to manage multiple sheets in spreadsheet software? a) Title Bar    b) Worksheet Area   c) Sheet Tab    d) Scroll Bar	1
iv	Which option displays a cell address in the goal seek dialog box? a) Formula Cell   b) Target Value    c) Change variable   d) input cell	1
v	Multiple users are working on same spreadsheet and are able to view the changes made in it. This working mode is known as ____ in calc. a) View mode      b) Change mode    c) Shared Mode    d) Record Change mode	1
vi	As you record macro, Calc converts your keystrokes into: a) Formulas      b) Hyperlinks      c) Internal code    d) Shortcut	1
<b>Q.5</b>	<b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>	
i	A storage container storing data pertaining to simple object, subject or purpose is known as a) Table      b) Query      c) Report      d) Form	1
ii	When you define a field for a table, which of the following parameter does Base always considered optional? a) Field Name    b) Data type    c) Description    d) Field Size	1
iii	A .....relationship is where multiple records of a table are related to a single record of another table. a) One to many    b) many to one    c) many to many    d) one to one	1
iv	..... statement is used to retrieve records in a database. a) Alter      b) Update      c) Select      d) Create	1
v	Which of the following is not a DDL Statement? a) Create      b) Delete      c) Drop      d) Alter	1
vi	Which object is used to create a form? a) Tables only    b) Tables and report   c) Queries and report   d) Queries only	1

## **SECTION B: SUBJECTIVE TYPE QUESTIONS**

**Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks) Answer each question in 20 – 30 words.**

Q.6	List any four characteristics of Entrepreneurship	2
Q.7	Explain any two of 7Cs of Communication.	2
Q.8	How can you manage stress? Explain	2
Q.9	What is computer Maintenance? Why does a computer need maintenance?	2
Q.10	What are the challenges in the attainment of sustainable development goals?	2

**Answer any 4 out of the given 6 questions in 20 – 30 words each (2 x 4 = 8 marks)**

Q.11	Explain any three word wrapping options available under word processor.	2
Q.12	Why does an organisation use What if analysis?	2
Q.13	Differentiate between absolute hyperlink and Relative hyperlink with the help of example.	2
Q.14	Rohan's father told him that they need to attach a modem for internet connection on their computer. Explain the meaning and function of modem to Rohan.	2
Q.15	Write short notes on the following: i) Web Server    ii) WiFi	2
Q.16	Differentiate between Primary key and Foreign key.	2

**Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12 marks)**

Q.17	a) Explain any three types of impairment that impact computer usage. b) Explain Client-Server architecture and Peer- to- Peer Architecture.	2+2																
Q.18	Define Table of Contents. What is the use of Table of Contents.	4																
Q.19	Define the Followings: a) Data Consolidation      b) Solver      c) Subtotal      d) Goal Seek	4																
Q.20	a) Differentiate between Flat File and Relational Database. b) Differentiate between CHAR and VARCHAR.	2+2																
Q.21	a) Write SQL command to create table EMPLOYEE EMPID CHAR(4), EMPNAME VARCHAR(15),DESIG VARCHAR(15), SALARY Integer	1+3																
	b) Write the SQL commands to answer the queries based on fabric table:																	
	<table><tr><td>FabricID</td><td>Fname</td><td>Type</td><td>Disc</td></tr><tr><td>F001</td><td>Shirt</td><td>Woollen</td><td>10</td></tr><tr><td>F002</td><td>Suit</td><td>Cotton</td><td>10</td></tr><tr><td>F003</td><td>Tunic</td><td>Cotton</td><td>20</td></tr></table>		FabricID	Fname	Type	Disc	F001	Shirt	Woollen	10	F002	Suit	Cotton	10	F003	Tunic	Cotton	20
	FabricID		Fname	Type	Disc													
	F001		Shirt	Woollen	10													
	F002		Suit	Cotton	10													
F003	Tunic	Cotton	20															
i) To display those fabrics whose disc is more than 10																		
ii) To insert the following record: ("F004","Kurta","Woolen")																		
iii) To delete the record of fabric F003 from the table.																		