

SAMPLE PAPER CLASS – X
INFORMATION TECHNOLOGY (SUBJECT CODE-402)

Max. Time: 2Hours

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 where as 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 2hours.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A-OBJECTIVE TYPE QUESTIONS (24MARKS):**
 - i. This section has 05 questions.
 - ii. There is no negative marking.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.
7. **SECTION B–SUBJECTIVE TYPE QUESTIONS (26MARKS):**
 - i. This section contains 16 questions.
 - ii. A candidate has to do10 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTIONA: OBJECTIVE TYPE QUESTIONS

Q.1	Answer any 4 out of the given 6 questions on Employability Skills (1 x4=4 marks)	
i.	<p>_____ act as an interface between the user and the computer.</p> <p>a) MS Excel b) Impress c) Operating System d) Digital Documentation</p>	1
ii.	<p>Which force is within you that drives you to do things?</p> <p>a) Self-Control b) Self-Awareness c) Self-Motivation d) Self-Regulation</p>	1

iii.	<p>Experimenting with many ideas is a quality related to ?</p> <p>a) Perseverance b) Confidence c) Creativity d) Trial and Error</p>	1
iv.	<p>ICT refers to all the methods, tools, concepts related to</p> <p>a) Storing digital information b) Recording digital information c) Sending digital information d) All of the above</p>	1
v.	<p>Self- Reliance means _____</p> <p>a) Ability to work independently b) Complete the task effectively c) Both of the above d) None of the above</p>	1
vi.	<p>An entrepreneur must establish good relations with.....and its functionaries.</p> <p>a) customer b) government c) Both of the above d) None of the above</p>	1
Q.2	Answer any 5 out of the given 6 questions (1x 5= 5 marks)	
i.	<p>Which of the following network devices is used to connect dissimilar networks?</p> <p>a) Gateway b) Switch c) Bridge d) Router</p>	1
ii.	<p>Anjana has created a database of all the employees working in her organization, but these entries were done randomly. Her boss wants the entire list in ascending order of employee Id. She can do this by using which of the following tool in DBMS?</p> <p>a) Ordering data b) Sorting data c) Referring data d) Presenting data</p>	1
iii.	<p>When primary key constraint is applied on one or more columns, then it is known as_____.</p> <p>a) Composite primary key b) Foreign key c) Composite foreign key d) connecting key</p>	1

iv.	<p>Karan wants to make a professional resume. He tried many a times but the end result was not satisfactory as she was not knowing what all points should be there and in which order too. Which one of the following options in Writer would you suggest him, so that his problem is solved?</p> <p>a) Template b) Form c) Worksheet d) Format</p>	1
v.	<p>In Goal seek dialog box, in the _____ we enter the reference of the cell that contains the value to be changed.</p> <p>a) Variable Cell b) Modifying cell c) Changing cell d) Replacing cell</p>	1
vi.	<p>The _____ tool of Electronic Spreadsheet allows you to repeat the set of commands or tasks performed by user in a single click.</p> <p>a) Subtotal b) Macro c) Goal Seek d) Solver</p>	1
Q.3	Answer any 5 out of the given 6 questions(1x 5= 5 marks)	
i.	<p>Which of the following is the correct sequence for printing labels for Mailing List?</p> <p>i) Linking the Data Source ii) Creating the Data Source iii) Preparing Mailing Labels for Printing</p> <p>a) ii), i), iii) b) iii), ii), i) c) iii), i) ii) d) i), ii), iii)</p>	1
ii.	<p>Ankit wants to store a huge amount information about his firm in a database. Which type of table organisation would be most suitable for this purpose?</p> <p>a) Relational b) Flat file c) Either relational or flat file d) Hierarchical</p>	1
iii.	<p>_____ is a computer responsible for providing services to others.</p> <p>a) Client b) Network c) Gateway d) Server</p>	1
iv.	<p>_____ hyperlink contains a full URL.</p> <p>a) Absolute b) Relative c) Both of the above d) None of the above</p>	1

v.	To copy a formula from one cell to another. a) Drag the AutoFill handle b) Cut the cell c) Both (a) and (b) d) None of these	1
vi.	Select _____ > Track changes > Record from the menu bar. Thereafter, every change you record on the spreadsheet will have a red border around it. a) File b) Edit c) Format d) Layout	1
Q.4	Answer any 5 out of the given 6 questions. (1x 5= 5 marks)	
i.	Which option allows the keyboard to become a pointing device instead of the mouse? a) Toggle keys b) Sticky keys c) Mouse keys d) None of the above	1
ii.	Ridhima wants to save the document as a template. She will use _____ extension, to make Writer as a template. a) .odt b) .ott c) .dbm d) .ods	1
iii.	A _____ is a set of instructions used to perform a specific task. a) Software b) Hardware c) Spyware d) Program	1
iv.	_____ refers to human efforts for maintaining healthy body and mind. a) Stress Management b) Self Motivation c) Self Regulation d) Trashing	1
v.	Sending large amounts of junk e-mails is known as _____. a) mail b) inviting c) spamming d) Client- Server	1

vi.	Which of the following is not an extension of Word Processor file? a) .doc b) .docx c) .odt d) .csv	1
Q.5	Answer any 5 out of the given 6 questions (1x 5= 5 marks)	
i.	In which view data can be entered in table? a) Datasheet view b) Design view c) Both of the above d) None of the above	1
ii.	Which of the following will help to maintain unique records in the table? a) Foreign key b) Primary key c) Composite key d) Alternate key	1
iii.	Scenarios are tool to test_____questions. a) if else b) what else c) what if d) if	1
iv.	_____ option in Open Office allows us to change the coloured image to Grayscale, Black/White or Watermark. a) Color Mode b) Charcol Mode c) Graphics Mode d) Transparency mode	1
v.	Instant messages allows you to send messages in_____time. a) A lot of b) day c) real d) None of the above	1
vi.	_____ are similar to an online personal diary and simple to use. a) Website b) Blog c) Social Media site d) None of the above	1

SECTION B: SUBJECTIVE TYPE QUESTIONS						
Answer any 3 out of the given 5 questions on Employability Skills (2 x3=6 marks)						
Answer each question in 20– 30 words.						
Q.6	Write the three factors that can cause Stress.	2				
Q.7	Define Computer Virus. How do you get Computer Virus?	2				
Q.8	Describe the Role and importance of an Entrepreneur.	2				
Q.9	State two myths of an Entrepreneurship.	2				
Q.10	What are the types of self-awareness? Describe the self-awareness of your emotional triggers.	2				
Answer any 4 out of the given 6 questions in20 –30 words each (2 x4=8marks)						
Q.11	How can you protect your worksheet from unauthorized access on multi user system? Explain.	2				
Q.12	Explain Hyperlink.	2				
Q.13	Differentiate between DDL and DML commands in Database.	2				
Q.14	What are Accessibility options? How are they useful?	2				
Q.15	<p>Look at the table “PRODUCT” given below and answer the questions:-</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">Prod Id</td> <td style="padding: 5px;">Prod Name</td> <td style="padding: 5px;">Prod Price</td> <td style="padding: 5px;">Date Of Purchase</td> </tr> </table> <p>a) Suggest the suitable data type of all the fields. b) Which field or fields can act as Primary Key.</p>	Prod Id	Prod Name	Prod Price	Date Of Purchase	2
Prod Id	Prod Name	Prod Price	Date Of Purchase			
Q.16	State the difference between Hub and Switch.	2				
Answer any 3 out of the given 5 questions in50–80 words each (4x 3=12 marks)						
Q.17	<p>i) Priya wants to insert images in a text document. Suggest any three methods to insert images in Open Office Writer in detail.</p> <p>ii) Define ‘Text Wrapping’. How it is useful with reference to images.</p>	(2+2)				
Q.18	<p>1. Karan wants to know about Subtotal. Help him by giving answers to the following questions.</p> <p>(i) What is SUBTOTAL() function? ii) Names any 5 functions available in SUBTOTAL().</p> <p>2. Explain the function of Goal Seek command in Electronic Spreadsheet.</p>	(2+2)				

Q.19	<p>Read the following Table named “Teacher” and Write the SQL commands.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>NUMBER</th> <th>NAME</th> <th>AGE</th> <th>SUBJECT</th> <th>DATE OF JOIN</th> <th>SALARY</th> <th>GEN DER</th> </tr> </thead> <tbody> <tr><td>1</td><td>JUGAL</td><td>34</td><td>COMPUTER</td><td>10/01/2019</td><td>12000</td><td>M</td></tr> <tr><td>2</td><td>PRATIGYA</td><td>31</td><td>SCIENCE</td><td>24/03/2019</td><td>20000</td><td>F</td></tr> <tr><td>3</td><td>SANDEEP</td><td>32</td><td>MATHS</td><td>12/12/2019</td><td>30000</td><td>M</td></tr> <tr><td>4</td><td>SANGEETA</td><td>35</td><td>SCIENCE</td><td>01/07/2020</td><td>40000</td><td>F</td></tr> <tr><td>5</td><td>SATTI</td><td>42</td><td>MATHS</td><td>05/09/2020</td><td>25000</td><td>M</td></tr> <tr><td>6</td><td>SHYAM</td><td>50</td><td>SCIENCE</td><td>27/06/2021</td><td>30000</td><td>M</td></tr> <tr><td>7</td><td>SHIV OM</td><td>44</td><td>COMPUTER</td><td>25/02/2021</td><td>21000</td><td>M</td></tr> <tr><td>8</td><td>SHALAKHA</td><td>33</td><td>MATHS</td><td>31/07/2020</td><td>20000</td><td>F</td></tr> </tbody> </table> <p>Write SQL commands:</p> <p>(a) To show all the information about IT teachers.</p> <p>(b) To list the details of all the teachers who are getting salary between 20000 to 35000.</p> <p>(c) To display the subject of all the teachers whose age is more than 40 years.</p> <p>(d) To display the list of names of all the teachers in alphabetical order.</p>	NUMBER	NAME	AGE	SUBJECT	DATE OF JOIN	SALARY	GEN DER	1	JUGAL	34	COMPUTER	10/01/2019	12000	M	2	PRATIGYA	31	SCIENCE	24/03/2019	20000	F	3	SANDEEP	32	MATHS	12/12/2019	30000	M	4	SANGEETA	35	SCIENCE	01/07/2020	40000	F	5	SATTI	42	MATHS	05/09/2020	25000	M	6	SHYAM	50	SCIENCE	27/06/2021	30000	M	7	SHIV OM	44	COMPUTER	25/02/2021	21000	M	8	SHALAKHA	33	MATHS	31/07/2020	20000	F	4
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Q.20	<p>i. Difference between Forms and Reports with reference to Database</p> <p>ii. Define the following terms:- Primary Key, Foreign key</p>	4																																																															
Q.21	<p>Yashika wants to send some data to her friend. She does not know the process by which data travels.</p> <p>Answer the following questions in reference to the given situation.</p> <p>i. How does data transfer’s over the Internet?</p> <p>ii. Which way is more useful to connect to Internet – Dial-up, Broad Band or Wireless Connection. Explain the difference among them.</p>	(2+2)																																																															