

BUDHA DALPUBLIC SCHOOL, PATIALA

CLASS 10TH TERM-II 2023

SUBJECT: - INFORMATION TECHNOLOGY (SUBJECT CODE - 402)

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

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	In , we change from our normal activities to silence. (a) meditation (b) stress (c) worries (d) survival	1
ii.	..... is a common response to danger in all people and animals. a. Internal stress b. Environmental stress c. Survival stress d. Fatigue related stress	1
iii.	A/ An has to create a spirit of team work and motivate them. (a) entrepreneur (b) government policy (c) Both (a) and (b) (d) None of these	1

iv.	iv) A _____ operating system is a computing environment that reacts to input within a specific period of time. a. single user b. real time c. multi-user d. distribute	1
v.	..... shortcut key is used to add new slide in presentation. a. Alt+M c. Ctrl+M b. Ctr!+ N d. None of these	1
vi.	..... is a set of activities performed by the entrepreneur. (a) Leadership (b) Risk taking (c) Entrepreneurship (d) None of these	1
Q. 2	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Safari is a web browser developed by a. Google b. Microsoft c. Apple d. None of these	1
ii.	(ii) When you define a field for a table, which of the following parameters do access always consider optional? a. Field name c. Data type b. Field size d. Description	1
iii.	Every computer is protected by a . (a) firewall (b) software (c) server (d) network	1
iv.	..... command is used to restore database to original since the last COMMIT. (a) REVIEW (b) SELECT (c) ROLLBACK (d) None of these	1
v.	To delete a template, on a template in the Templates window and select delete. (a) Right-click (c) Double-click (b) Left-click (d) None of these	1
vi.	Which of the following fields will not make a suitable primary key? a. A customer's account number b. A date-field c. An auto number field d. A student's admission number	1
Q. 3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	A is a language that enables users to access and manipulate data in a database. a. DML c. TCL a. DCL d. DDL	1
ii.	Under Insert tab, group contains the features like Shapes, ClipArt etc. a. Illustrations b. Paragraph c. Shapes d. Clipboard	1
iii.	Which allows you to reorder data? a. Sorting c. Filtering b. Scenario d. Custom sorting	1
iv.	Web based type of software is accessed using a. web page c. website b. browsers d. None of these	1
v.	In the Subtotal dialog box, the box is used to select the column on which you want to add the Subtotal to. (a) group by b. filter by c. consolidate by d. update by	1
vi.	The Show Changes dialog box has which of the following settings? (a) Data (b) Comment (c) Views (d) All of these	1

Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Web based type of software is accessed using (a) web page (b) website (c) browsers (d) None of these	1
ii.	..... is a collection of related information (a) Base (b) Database (c) Web-base (d) None of these	1
iii.	Which of the following network devices is used to connect dissimilar networks? (a) Gateway (b) Switch (c) Bridge (d) Router	1
iv.	You should uninstall any _____ and services which you are not using from long time. (a) hardware (b) software (c) system (d) None of these	
v.	In Goal seek dialog box, in the .._we enter the reference of the cell that contains the value to be changed. a. variable cell c. changing cell b. modifying cell d. replacing cell	1
vi.	_____ allows multiple users to view, edit and change in a spreadsheet. (a) Opening (b) Reviewing (c) Sharing (d) Collaborating	
Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	..... command is used to restore database to original since the last COMMIT. (a) REVIEW (b) SELECT (c) ROLLBACK (d) None of these	1
ii.	BSNL stands for a. Bihar Sanchar Nigam Limited b. Bharat Samachar Nigam Limited c. Bharat Sanchar Nigam Limited d. None of the above	1
iii.	_____ is used to text-to-speech utility that reads what is displayed on the screen. (a) Start Narrator (b) Web page (c) Website (d) None of these	1
iv.	Computer based record keeping system is known as (a) Data Manipulation System (b) Computer Data System (c) Computerised Record Keeping System (d) DBMS	1
v.	Which of the following is not a type of text wrapping option? (a) Wrap off (b) Optimal wrap (c) Page wrap (d) Wrap center	1

vi.	_____ is a free personal publishing platform. (a) Zoomla (b) WordPress (c) Blogger (d) None of these	1
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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	Comment on the leadership ability of an entrepreneur.	2
Q. 7	What do you mean by environment stress?	2
Q. 8	Write any two main advantages of an operating system.	2
Q. 9	Describe the following functions of an entrepreneur: (i) Innovation (ii) Risk-Taking	2
Q. 10	What is stress?	2

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

Q. 11	What do you understand by template in MS-Word?	2
Q. 12	What is the difference between a workbook and a worksheet?	2
Q. 13	Write down the significance of electronic spreadsheets.	2
Q. 14	When Memo data type is preferred over Text data type for a field?	2
Q. 15	What is Referential Integrity? Explain its two(any) purposes.	2
Q. 16	. Define router as network device.	2

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

Q. 17	Rahul has purchased some stationary items from an online site. He has to make on1inepayment for the items to complete the transaction. Help by answering his following queries. (i) Suggest any two options that he can use to make payment of his bill on the onlineshopping website. (ii) Name any 2 situations where on1ine shopping could be useful. (iii) Name any 2 popular online transaction websites. (iv) Write full form of COD in reference to online shopping.	4
Q. 18	What is sorting? How to use ascending or descending sort which depends on one column?	4

Q. 19	<p>Consider the following table: Employee</p> <p style="text-align: center;">Table : Employee</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Emp_no</th> <th>E_name</th> <th>Profile</th> <th>Manager</th> <th>Hire_date</th> <th>Salary</th> <th>Commission</th> <th>Dept_no</th> </tr> </thead> <tbody> <tr> <td>8369</td> <td>SMITH</td> <td>CLERK</td> <td>8902</td> <td>1990-12-18</td> <td>8000</td> <td>NULL</td> <td>20</td> </tr> <tr> <td>8499</td> <td>ANYA</td> <td>SALESMAN</td> <td>8698</td> <td>1991-02-20</td> <td>16000</td> <td>300.00</td> <td>30</td> </tr> <tr> <td>8521</td> <td>SETH</td> <td>SALESMAN</td> <td>8698</td> <td>1991-02-22</td> <td>12500</td> <td>500.00</td> <td>30</td> </tr> <tr> <td>8566</td> <td>MAHADEVAN</td> <td>MANAGER</td> <td>8839</td> <td>1991-04-02</td> <td>29850</td> <td>NULL</td> <td>20</td> </tr> <tr> <td>8654</td> <td>MOMIN</td> <td>SALESMAN</td> <td>8698</td> <td>1991-09-28</td> <td>12500</td> <td>1400.00</td> <td>30</td> </tr> <tr> <td>8698</td> <td>BINA</td> <td>MANAGER</td> <td>8839</td> <td>1991-05-01</td> <td>28500</td> <td>NULL</td> <td>30</td> </tr> </tbody> </table> <p>(i) How many fields and records are there in the table Employee?</p> <p>(ii) Write the SQL queries for the following:</p> <p>(a) Display E name and salary of those employees whose Salary is greater than or equal to 22000.</p> <p>(b) Display details of employees those are not getting commission.</p> <p>(c) Display all the details of the employee profile 'SALESMAN'.</p>	Emp_no	E_name	Profile	Manager	Hire_date	Salary	Commission	Dept_no	8369	SMITH	CLERK	8902	1990-12-18	8000	NULL	20	8499	ANYA	SALESMAN	8698	1991-02-20	16000	300.00	30	8521	SETH	SALESMAN	8698	1991-02-22	12500	500.00	30	8566	MAHADEVAN	MANAGER	8839	1991-04-02	29850	NULL	20	8654	MOMIN	SALESMAN	8698	1991-09-28	12500	1400.00	30	8698	BINA	MANAGER	8839	1991-05-01	28500	NULL	30	4
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Q. 20	<p>18. Sudhanshu is learning about the different advantages of database. He came across the term data integrity. Now he wants to know the types of data integrity. Tell him the definition of the following terms to solve his query. (1x4=4)</p> <p>(i) Entity Integrity</p> <p>(ii) Domain Integrity</p> <p>(iii) Referential Integrity</p> <p>(iv) User Defined Integrity</p>	4																																																								
Q. 21	<p>19. Pinky had heard about the words types of networks. She had some doubts. Answer to her queries to clear her doubts. (1x4=4)</p> <p>(a) What is LAN?</p> <p>(b) Define the term WAN.</p> <p>(c) Define the term MAN.</p> <p>(d) Write a disadvantage of both LAN and WAN.</p>	4																																																								