PER-MID TERM EXAM 2025-26

INFORMATION TECHNOLOGY – MARKING SCHEME (802)

Class : XII SCIENCE/COMMERCE/ARTS **Duration : 1 Hrs**
Date : **Max. Marks : 25**
Admission No.: **Roll No.:**

General Instructions:

Try to attempt all questions as per given order.

All questions are compulsory.

The Question Paper is divided into Three sections Section A to C.

- Section A has 10 questions attempt only 7 and carry 1 mark each.
- Section B has 10 questions attempt only 6 and carry 2 marks each.
- Section C has 4 questions attempt only 2 and carry 3 marks each.

Section-A

1. What is the main objective of E-Governance? 1
   A. Increase paper usage in offices
   B. Improve communication among family members
   C. Provide government services online *
   D. Encourage physical visits to government offices

2. What is essential for developing a web-based project? 1
   A. Knowing only HTML
   B. A team of two or more people
   C. Clear project goals and proper planning *
   D. Printing the project plan

3. In online reservation systems, which of the following is usually required? 1
   A. A passport photo
   B. Internet connection and login credentials *
   C. Paper ticket only
   D. Offline registration

4. What is one advantage of using project management web tools? 1
   A. Increases manual paperwork
   B. Reduces team collaboration
   C. Helps track progress and assign tasks *
   D. Requires offline setup

5. Which of the following is a mental health disorder related to extreme sadness and loss of interest? 1
   A. Motivation
   B. Depression *
   C. Leadership
   D. Anxiety

6. Which of the following represents a positive attitude? 1
   A. Giving up quickly
   B. Always expecting the worst
   C. Looking for solutions in tough situations *
   D. Avoiding responsibility

7. What is intrinsic motivation? 1
   A. Motivation due to external rewards
   B. Doing something to avoid punishment
   C. Doing something because it is personally satisfying *
   D. Being forced to do something

8. Which of the following is a correct formula in Calc to add values in cells A1 and A2? 1
   A. =A1+A2 *   B. A1+A2
   C. +A1A2   D. =SUM(A1:A2)

9. What is the purpose of the Filter option in OpenOffice Calc? 1
   A. Change text color   B. Hide unwanted data temporarily *
   C. Insert images   D. Create charts

10. What is the correct step to format text in Impress? 1
    A. Click Insert → Picture
    B. Highlight the text → Format → Character *
    C. Right-click on background
    D. View → Slide Sorter

SECTION - B

11 What is Online Shopping? 2
    Answer: **Online Shopping** is the process of buying goods or services over the internet using a
    computer, smartphone, or other digital device. Instead of visiting a physical store, customers browse
    through products on websites or apps, add items to a virtual cart, and make payments online using
    methods like credit/debit cards, UPI, net banking, or digital wallets.

12 Write any two benefits of web-based applications? 2
    Answer: **Accessibility from Anywhere:**
    Web-based applications can be accessed using a web browser from any device with an internet
    connection. This allows users to work or access services from any location.
    No Installation Required:
    Users do not need to install software on their computers. This saves time, storage space, and ensures
    easy updates directly on the server.

13 What is Cloud? Write any two examples of Cloud provider. 2
    Answer: The **Cloud** refers to a system of storing and accessing data and programs over the internet
    instead of using a local computer or hard drive. It allows users to store files, run applications, and
    access services anytime, from anywhere using the internet.
    Example: Google Cloud Platform (GCP)
    Amazon Web Services (AWS)

14 Define E-Governance. 2
    Answer: E-Governance (Electronic Governance) refers to the use of information and communication
    technology (ICT), especially the internet, by the government to deliver services and information to
    citizens, businesses, and other government agencies in a fast, efficient, and transparent manner.

15 What is Stress? 2
Answer: Stress is the body's physical and emotional reaction to a challenging or demanding situation. It is how we respond when we feel under pressure, anxious, or overwhelmed.

16 Define Self-Motivation. 2
Answer: Self-Motivation is the ability to encourage yourself to take action and keep going toward your goals without needing pressure or rewards from others. It comes from within and helps you stay focused, confident, and positive.

17 What is Goal Setting? 2
Answer: Goal Setting is the process of identifying something you want to achieve and planning steps to reach it. It helps you stay focused, motivated, and organized in working toward your personal or professional objectives.

18 How does the Count ( ) Function works? 2
Answer: The COUNT() function in spreadsheet applications like OpenOffice Calc or MS Excel is used to count the number of numeric (number) values in a range of cells.

19 Define a) Active Cell   b) Range of cell
Answer: An **Active Cell** is the currently selected cell in a spreadsheet. It is the cell where data will be entered or edited, and it is usually highlighted with a bold border.
A **Range of Cells** is a group or block of selected cells in a spreadsheet. It is usually written using the addresses of the first and last cells, separated by a colon (:).

20 Write the steps to protect the spreadsheet.
Answer: Click on the Tools menu in the top menu bar.
Select Protect Sheet from the drop-down menu.
A dialog box will appear. You can:
Choose to set a password (optional) to prevent others from unprotecting the sheet.
If you do not set a password, the sheet will still be protected, but it can be unprotected easily.
Click OK.

SECTION – C

21 Write the three precautions that you must take while performing online transactions. 3

Answer:
 Use Secure Websites:Always ensure the website URL starts with https:// and has a lock icon in the address bar before entering personal or payment details.

Do Not Share OTP or Password:Never share your One-Time Password (OTP), PIN, or password with anyone, even if they claim to be from a bank.

Use Strong and Unique Passwords:Create strong passwords using a mix of letters, numbers, and special characters. Avoid using the same password on multiple websites.

22 Differentiate between Development and Deployment.   3
    Answer:

Development	Deployment
It is the process of creating and building a software or web-based application.	It is the process of making the developed application available for use.
Involves writing code, designing features, and testing during creation.	Involves installing, configuring, and launching the application on a server or platform.
Done by **developers/programmers**.	Done by **system administrators or DevOps teams**.
Example: Writing code for an online shopping website.	Example: Uploading the website to a live server for public access.

23 Riya is a class 12 student preparing for her board exams. She often feels overwhelmed with   3
    the number of subjects and deadlines. To manage her studies better, she creates a daily
    timetable, sets specific goals for each week, and avoids distractions like mobile games during
    study hours.

    Based on the above situation, answer the following:

    a) Which self-management skills is Riya using? (1 mark)
    b) How does goal setting help in effective self-management? (1 mark)
    c) Suggest one more tip that can help Riya manage her time better. (1 mark)

    Answer:
    a. Riya is using **time management**, **goal setting**, and **self-discipline** as her self-management skills.
    b. Goal setting helps in breaking large tasks into smaller, manageable parts. It keeps a person
    focused, motivated, and allows better tracking of progress.
    c. Riya can **prioritize tasks** by creating a to-do list based on urgency and importance, or she can take
    short breaks between study sessions to stay fresh and focused.

24 Explain any three errors of open office calc.   3
    Answer:
    1. ##### (Hash Symbols)
    This appears when the column is too narrow to display the entire content or number.
    2. #DIV/0!
    This error occurs when a number is divided by zero or an empty cell.
    3. #VALUE!
    This error occurs when the formula has the wrong type of data, such as trying to perform arithmetic
    on text.