

रोल नं.

Roll No.

2 2 1 7 0 1 6 2



परीक्षार्थी प्रश्न-पत्र कोड को उत्तर-पुस्तिका के मुख-पृष्ठ पर अवश्य लिखें।
Candidates must write the Q.P. Code on the title page of the answer-book.

सूचना प्रौद्योगिकी
INFORMATION TECHNOLOGY

निर्धारित समय : 2 घण्टे

Time allowed : 2 hours

अधिकतम अंक : 50

Maximum Marks : 50

नोट	NOTE
(I) कृपया जाँच कर लें कि इस प्रश्न-पत्र में मुद्रित पृष्ठ 19 हैं।	(I) Please check that this question paper contains 19 printed pages.
(II) कृपया जाँच कर लें कि इस प्रश्न-पत्र में 21 प्रश्न हैं।	(II) Please check that this question paper contains 21 questions.
(III) प्रश्न-पत्र में दाहिने हाथ की ओर दिए गए प्रश्न-पत्र कोड को परीक्षार्थी उत्तर-पुस्तिका के मुख-पृष्ठ पर लिखें।	(III) Q.P. Code given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
(IV) कृपया प्रश्न का उत्तर लिखना शुरू करने से पहले, उत्तर-पुस्तिका में प्रश्न का क्रमांक अवश्य लिखें।	(IV) Please write down the serial number of the question in the answer-book before attempting it.
(V) इस प्रश्न-पत्र को पढ़ने के लिए 15 मिनट का समय दिया गया है। प्रश्न-पत्र का वितरण पूर्वाह्न में 10.15 बजे किया जाएगा। 10.15 बजे से 10.30 बजे तक छात्र केवल प्रश्न-पत्र को पढ़ेंगे और इस अवधि के दौरान वे उत्तर-पुस्तिका पर कोई उत्तर नहीं लिखेंगे।	(V) 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

General Instructions :

- (i) Please read the instructions carefully.
- (ii) This question paper consists of 21 questions in **two Sections : Section A and Section B.**
- (iii) **Section A** has Objective Type questions, whereas **Section B** contains Subjective type questions.
- (iv) 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.
- (v) All questions of a particular section must be attempted in the correct order.
- (vi) **Section A : Objective Type Questions (24 marks) :**
 - (a) This section has 5 questions.
 - (b) There is no negative marking.
 - (c) Do as per the instructions given.
 - (d) Marks allotted are mentioned against each question / part.
- (vii) **Section B : Subjective Type Questions (26 marks) :**
 - (a) This section has 16 questions.
 - (b) A candidate has to do 10 questions.
 - (c) Do as per the instructions given.
 - (d) Marks allotted are mentioned against each question / part.

Section A

(Objective Type Questions)

(24 Marks)

1. Answer any 4 out of the given 6 questions on Employability Skills. 4×1=4
 - (i) The filename and filename extension are separated by a _____ .
 - (A) Dollar (\$)
 - (B) Dot (.)
 - (C) Underscore (_)
 - (D) Hash (#)
 - (ii) Which of the following type of communication involves interchanging messages only through images or pictures ?
 - (A) Verbal
 - (B) Gesture
 - (C) Visual
 - (D) Facial

- (iii) _____ is the ability to identify and manage one's own emotions, as well as the emotions of others.
- (A) Self-Awareness
 - (B) Emotional Intelligence
 - (C) Stress Management
 - (D) Emotional Barrier
- (iv) _____ is the driving force that pushes us to achieve our goals, feel happy and improve our quality of life.
- (A) Stress Management
 - (B) Self-Awareness
 - (C) Self-Growth
 - (D) Self-Motivation
- (v) Which of the following is **not** an essential quality to become a successful entrepreneur ?
- (A) Confidence
 - (B) Creativity
 - (C) Patience
 - (D) Wealthy
- (vi) In total, how many SDGs were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity ?
- | | |
|--------|--------|
| (A) 13 | (B) 11 |
| (C) 17 | (D) 19 |

2. Answer any 5 out of the given 6 questions.

5×1=5

- (i) Which of the following features allows one to apply a group of formats at the same time ?
- (A) Fill (B) Styles
(C) Images (D) Drag and Drop
- (ii) In Writer, styles and formatting option is available under _____ menu.
- (A) Insert (B) Tools
(C) Format (D) Window
- (iii) Gaurav is creating a report in Writer. The image gets embedded in his document whenever he drags and drops the image and the document size increases. Suggest a way to link the image file instead of embedding it.
- (A) Drag and drop the image.
(B) Hold down the Ctrl key while dragging.
(C) Hold down the Shift key while dragging the image.
(D) Hold down the Ctrl and Shift key while dragging and dropping the image.
- (iv) Resizing a _____ may badly affect the resolution of an image.
- (A) Vector image (B) Raster image
(C) CAD image (D) Coloured image
- (v) In Writer, you can create your own template in _____ way(s).
- (A) One (B) Two
(C) Three (D) Four
- (vi) In Writer, _____ function key is used to see the databases while implementing mail merge.
- (A) F1 (B) F2
(C) F3 (D) F4

3. Answer any 5 out of the given 6 questions.

5×1=5

- (i) While consolidating data, a cell range can be named using _____ option.
- (A) Name range (B) Define range
(C) Consolidate name (D) Define name
- (ii) Kawal and his friends are working on a Spreadsheet for entering data and updating records. They wish to keep a track of changes. Which of the following options will help in knowing who made the changes and what changes were done in the spreadsheet ?
- (A) View changes
(B) Record changes
(C) Store changes
(D) Track changes
- (iii) _____ is a more elaborate form of Goal Seek.
- (A) Database (B) Hyperlink
(C) Report (D) Solver
- (iv) Macro functions can be written to behave as regular functions by writing a/an _____.
- (A) Void (B) Return
(C) Add-In (D) Dim
- (v) _____ option of Calc helps in viewing the changes made to a worksheet using original and edited worksheet.
- (A) Edit → Revise document
(B) Edit → Consolidate
(C) Edit → Compare document
(D) Edit → Collaborate document

(vi) In Calc, shared workbooks allow :

- (A) Merging cells
- (B) Conditional formatting
- (C) Inserting pictures/graphs
- (D) Adding text

4. Answer any 5 out of the given 6 questions.

5×1=5

(i) In OpenOffice Base, the relationship applied on the tables can be removed with the help of _____ option.

- (A) Clear
- (B) Remove
- (C) Drop
- (D) Delete

(ii) In SQL, the keyword to display records in ascending order is :

- (A) Asce
- (B) Incr
- (C) Asc
- (D) High

(iii) _____ is a numeric data type which can store Yes/No type values in the form of 0 or 1 in OpenOffice Base table.

- (A) Boolean
- (B) Char
- (C) Binary
- (D) OtherObject

(iv) Which of the following statement retrieves zero or more rows from one or more database tables or database views ?

- (A) UPDATE
- (B) DELETE
- (C) SELECT
- (D) DISPLAY

(v) Roshni has created a table Customer in SQL and wants to store photograph image of every customer under Cust_photo field. Suggest a suitable data type from the options given below.

(A) IMAGE

(B) PICTURE

(C) LONGVARBINARY

(D) GRAPHIC

(vi) By default, all the fields in OpenOffice Base will have _____ datatype.

(A) int (tiny)

(B) Boolean

(C) text (varchar)

(D) text (char)

5. Answer any 5 out of the given 6 questions.

5×1=5

(i) A _____ is a discussion style website similar to an online personal diary, used for creating personal web pages.

(A) WWW

(B) Web

(C) Blog

(D) Chat

(ii) Natasha works as floor manager. She has been assigned a task for conducting regular _____ to ensure safety of life in case of any disaster or emergency by evacuating the place of danger.

(A) Cultural assembly

(B) Open house events

(C) Evacuation drill

(D) Trips and excursions

(iii) _____ is an accessibility feature that assists people who have difficulty using a keyboard or a mouse (or both).

(A) Sticky keys

(B) Serial key

(C) Control key

(D) Toggle keys

(iv) Network in which all computers have equal status is called _____.

- (A) Peer-to-Peer architecture
- (B) Central architecture
- (C) Hierarchical architecture
- (D) Client-server architecture

(v) _____ are text files with small pieces of data – like a username and password.

- (A) Operating System
- (B) Antivirus
- (C) Cookies
- (D) Modem

(vi) DSL stands for _____.

- (A) Digital System Line
- (B) Data Subscriber Line
- (C) Digital Subscriber Line
- (D) Data Service Line

Section B

(Subjective Type Questions)

(26 Marks)

Answer any 3 out of the given 5 questions on Employability Skills in 20 – 30 words each.

3×2=6

6. How can cultural differences be a barrier to effective communication ?
7. Explain any two misconceptions about entrepreneurship.
8. Briefly discuss the significance of time management skills in order to succeed in life.
9. Very often we hear about spam mails. Explain what are spam mails, and what should be done with such mails.
10. Mention any two ways to get clean and affordable energy.

Answer any 4 out of the given 6 questions in 20 – 30 words each.

4×2=8

11. Write the main steps to group drawing objects in Writer.
12. What is the purpose of consolidating data in spreadsheets ? Discuss briefly.
13. Differentiate between LAN and WAN.
14. What are the two parts of a cell reference while referencing data on other sheets ? Explain with an example.
15. Give any two benefits of creating relationships between tables in a database.
16. Mention any two basic fire safety rules to be followed in any organization.

Answer any 3 out of the given 5 questions in 50 – 80 words each.

3×4=12

17. What is the concept of mail merge in word processing software ? Discuss in detail. Also give any two major benefits of using mail merge.
18. Explain four types of hyperlinks that can be applied in spreadsheets.
19. Internet security is of prime concern nowadays. Using strong passwords can lower the risk of security breach on the Internet.
Himanshi has just created her first Internet based account. Help her by giving any four general guidelines for managing strong passwords.
20. In context of OpenOffice Base, explain the concept and significance of the following :
 - (a) Forms
 - (b) Reports

21. Consider the table Product and write SQL queries for the following :

Table : Product

PID	PNAME	PRICE	QUANTITY	CATEGORY
P01	BOARD	10000	2	OFFICE
P02	EYELINER	700	50	MAKEUP
P04	PENCIL	5	500	SCHOOL
P05	LAMP	250	10	DOMESTIC
P08	BEDSHEET	450	45	DOMESTIC
P09	LAPTOP	75000	15	OFFICE

- (a) To display names of all products whose category is "domestic".
- (b) To display product name and price whose quantity is less than 50.
- (c) To display price and quantity of Laptop.
- (d) To display name and quantity of those products whose price is above 5000.

For Visually Impaired Candidates :

In the context of Database Management System, write a short note on the following :

- (i) Database
- (ii) Table
- (iii) Field
- (iv) Composite Primary Key