

JB Academy, Ayodhya
Half-yearly Examination
Class: IX, Sub: Computer Applications (165)

Maximum Marks: 40

Time Allowed: 2 hours

General Instructions:

1. This Question Paper has 5 Sections A-E.
2. All Questions are compulsory. However, internal choices have been provided in some of the questions.
3. Section A has 10 questions carrying 01 mark each.
4. Section B has 5 Short Answer (SA-I) type questions carrying 02 marks each.
5. Section C has 4 Short Answer (SA-II) type questions carrying 03 marks each.
6. Section D has 1 Long Answer (LA) type question carrying 04 marks.
7. Section E has 1 Source based /Case-based /Passage based Questions carrying 04 marks each.

Section – A (All questions are compulsory)		
1.	Which of the following is an example of system software? A) Microsoft Excel B) Windows 10 C) Google Chrome D) Adobe Reader	1
2.	Which part of the computer is responsible for executing instructions? A) Hard Disk B) RAM C) CPU D) Motherboard	1
3.	How do you merge two or more cells in Excel? a) Use the SUM function b) Click Merge & Center in the Home tab c) Use Ctrl + M d) Right-click and select Merge	1
4.	Which of the following is a programming language? A) Chrome B) Python C) Windows D) Photoshop	1

5.	Which of the following is a cloud storage service? A) OneDrive B) Windows Explorer C) File Manager D) Task Manager	1
6	What is the other name for the horizontal axis of a chart? A) Y-axis B) Value axis C) Category axis D) None of above	1
7	Which of the following storage devices uses magnetic disks to store data? A) SSD B) Hard Disk Drive (HDD) C) USB Flash Drive D) CD-ROM	1
8	Which of the following devices is used to connect to a wireless network? A) Graphics Card B) Network Interface Card (NIC) C) Sound Card D) Wi-Fi Adapter	1
	Questions No-9 & 10 are Assertion and Reason types. Each question consists of two statements, namely Assertion (A) and Reason (R). Select the most suitable option considering the Assertion & Reason. A) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A). B) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A). C) Assertion (A) is true and Reason (R) is false. D) Assertion (A) is false and Reason (R) is true.	1
9	Assertion (A): A file in Excel is known as a spreadsheet. Reason (R): A spreadsheet is a collection of rows and columns.	1

10.	Assertion (A): A Local Area Network (LAN) connects devices within a small geographic area, such as an office building. Reason (R): Devices on a LAN can share resources like printers and files.	1
Section – B		
11.	Write full form of the following a) DVD b) LED c) OMR d) PAN	2
12.	Explain IPO cycle with an example.	2
13.	Differentiate between RAM and ROM	2
14.	Define the following terms: a) Workbook b) Cell address c) Formula bar d) Cell	2
15.	What do you mean by Spreadsheet Program? Write its four features .	2
Section – C		
16.	What do you understand by Primary memory? Explain its types. OR Explain the significance of Language processor also explain its types	3
17.	Explain the functional components of the computer system, also make the diagram of it OR Define the following: a) SMPS b) DVDs c) Inkjet Printers	3
18.	Define application software and its types. OR What do you know about Computer Network explain its types.	3
19.	Explain the different components of charts in excel. OR Explain IF () with syntax and example.	3

Section – D

20

Explain cell referencing in excel along with its types.

OR

Explain about the different types of cable used in Computer Network.

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Section – E

21.

Observe the following table and write formula/function for the given questions:

	A	B	C	D	E	F
1	NAME	BASIC SALARY	DA	HRA	PF	GS
2	AJAY	5600				
3	PAWAN	8500				
4	NITIN	9300				
5	PRAKASH	4700				
6	PANKAJ	8500				
7	MINIMUM					
8	MAXIMUM					
9	AVG					

- a) Calculate DA 50% of basic salary and HRA 15% of basic salary.
- b) Calculate PF according to the following condition:
If basic salary is more than 5000, PF is 3.33% of basic salary, if basic salary is more than 7000, PF is 5.33% of basic salary, else PF is 8.33
- c) Calculate Gross Salary (GS)
- d) Also find Highest and Lowest paid salary.

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