

Class: IX
Computer Applications (Code 165)
BLUEPRINT

MARKS AND QUESTIONS DISTRIBUTION UNIT WISE

SL NO	UNIT NAME	MARKS	NO OF QUESTIONS
1	Basics of Information Technology	20	10
2	Cyber Safety	15	08
3	Office Tools	15	08

SECTION WISE MARKS DISTRIBUTION

SL NO	SECTION	TYPE OF QUESTIONS	TOTAL NO OF QUESTIONS	NO OF QUESTIONS WITH INTERNAL CHOICE(S)	MARKS PER QUESTIONS	TOTAL MARKS
1	A	MCQ	12	-	01	12
2	B	VSA	07	03	02	14
3	C	SA	04	01	03	12
4	D	LA	01	01	04	04
5	E	CBS	02	-	04	08
TOTAL			26	05	-	50

SECTION AND UNIT WISE QUESTIONS DISTRIBUTION

UNIT	SECTION	NO OF QUESTIONS	TOTAL UNIT WISE QUESTIONS
Basics of Information Technology	A	4	10
	B	3	
	C	2	
	D	1	
	E	-	
Cyber Safety	A	4	8
	B	2	
	C	1	
	D	-	
	E	1	
Office Tools	A	4	8
	B	2	
	C	1	
	D	-	
	E	1	

CENTRAL ZONE SAINIK SCHOOLS CENTRALISED ANNUAL EXAMINATION

Class: IX

Computer Applications (Code 165)

Maximum Marks: 50

Time Allowed: 02 Hours

General Instructions:-

1. This Question Paper has 5 Sections A-E.
2. All Questions are compulsory. However, an internal choice of approximately 30% is provided.
3. Section A has 12 questions carrying 01 mark each.
4. Section B has 7 Very Short Answer (VSA) type questions carrying 02 marks each.
5. Section C has 4 Short Answer (SA) type questions carrying 03 marks each.
6. Section D has 1 Long Answer (LA) type question carrying 04 marks.
7. Section E has 2 Source based /Case-based /Passage based Questions carrying 04 marks each.

Q.N.	Section – A (All questions are compulsory)	Marks
1	This part sends signals to other parts of the computer to tell them what to do. a. CPU b. Motherboard c. Icon d. Hard drive	1
2	This part stores data, programs, settings, and the operating system while the computer is off. While it is on, it spins inside the computer reading and writing data. a. CPU b. ROM c. RAM d. Hard Disk	1
3	Which software takes control of computer system on startup? a. Compiler b. Operating System c. Application software d. All of these	1
4	Which of the following is not a function of an operating system? a. Managing the computer's resources, such as CPU, memory, disk drives and printers. b. Formatting a word document. c. Establishing a user interface. d. Executing and providing services for application software.	1
5	What software can you use to avoid getting viruses? a. Disk Cleanup software b. Anti-virus software c. Firewall d. Safety software	1
6	What is the most common way people's computers get infected by a virus? a. Receive a fax	1

	<ul style="list-style-type: none"> b. Install new hardware c. Download email attachments d. Run/open an infected disk 	
7	<p>Which of the following is not an example of Cybercrime?</p> <ul style="list-style-type: none"> a. Stealing computer hardware b. Cyber Bullying c. Cyber Stalking d. Stealing someone's online identity 	1
8	<p>What does a firewall do?</p> <ul style="list-style-type: none"> a. Prevents unauthorized access to your computer via the internet. b. Stops you installing software that may harm your computer. c. Records everything you do on your computer. d. Runs checks every time to prevent virus attacks. 	1
9	<p>Cut operation places the selected text into an area in the memory called _____.</p> <ul style="list-style-type: none"> a. Clipboard b. Primary area c. Disk d. Pen drive 	1
10	<p>Special effects used to introduce slides in a presentation are:</p> <ul style="list-style-type: none"> a. Transitions b. Effects c. Custom animation d. Annotations 	1
11	<p>Cell address \$A\$4 in a formula means it is a :</p> <ul style="list-style-type: none"> a. Mixed cell reference b. Absolute cell reference c. Relative cell reference d. Circular cell reference 	1
12	<p>The shortcut key used for pasting text from clipboard is _____.</p> <ul style="list-style-type: none"> a. Ctrl + X b. Ctrl + C c. Ctrl + V d. Ctrl + N 	1
<u>Section –B (2 marks each)</u>		
13	Name any two commonly used operating system.	2
14	<p>Give two examples of guided media. OR Give two examples of unguided media.</p>	2
15	Write any two limitations of internal memory?	2
16	<p>Write any two damages caused by malware? OR Write any two ways to keep our computer safe from malware?</p>	2

17	What should you do to protect your identity on Internet?	2
18	What do you mean by Multimedia software? OR Write any two basic components of a slide?	2
19	What is the default alignment of number and text in a spreadsheet?	2
<u>Section –C (3 marks each)</u>		
20	What is a DBMS?	3
21	Which device is used for recognising physical or behavioral traits of an individual? Where is it mostly used? Also, write one advantage of this device.	3
22	What are margins in word processing terminology and how many different types of margins are available? OR What is meant by text alignment? Give two examples.	3
23	Mention all three components of a slide that can be used for reference purpose?	3
<u>Section –D (4 marks each)</u>		
24	Explain the following (Any Two): (i) Local Area Networks (ii) Metropolitan Area Networks (iii) Wide Area Networks OR What is an Operating System? What are its functions?	4 1+3
<u>Section – E</u>		
25	<u>Case Study – 1</u> Password Passwords are the most common way to prove your identity when using websites, E-mail accounts and your computer itself (<i>via</i> user account). The use of strong password is therefore essential in order to protect your security and identity. Passwords are commonly used in conjunction with username. However, on secure sites they may also be used alongside other methods of identification such as a separate pin and/or memorable information. Based on the given information, attempt any four questions:- (i) Which of the following is the combination of numbers, alphabets along with username used to get access to user account? a. Password b. Username c. Title name d. Host id	4

- (ii) Strong password consists of:
 - a. Text only
 - b. Number only
 - c. Special characters only
 - d. a combination of alphabets, numbers and special characters
- (iii) Passwords enables users to
 - a. get into the system quickly
 - b. make efficient use of time
 - c. retain confidentiality of files
 - d. simplify file structure
- (iv) A strong password is typically somewhere between
 - a. 2 to 3 characters.
 - b. 3 to 4 characters
 - c. 8 to 10 characters
 - d. 4 to 5 characters
- (v) What can you do to avoid forgetting the strong passwords as they can be difficult to remember?
 - a. Use mnemonics
 - b. Develop a password strategy
 - c. Use password management software with encryption
 - d. All of the above

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Case Study – 2

4

Sunita Fashions maintain their employee salary details in a spreadsheet as shown below. A sample data of 5 employees is shown below.

	A	B	C	D	E	F	G
1	NAME	BASIC	HRA	DA	PF	NET SALARY	
2	RAVI	5000	2000		600		
3	MOHAN	5600	2000		600		
4	SOHAN	3500	1500		400		
5	VEDANT	4500	1500		700		
6	SUSHANT	6000	2500		500		
7	MAXIMUM						
8	No. of Emp						
9							
10							

Based on the given information, attempt any four questions:-

- (i) To calculate the DA as **15% of (BASIC + HRA)** for each employee and display it in column D.
- (ii) To calculate the NET SALARY as **(BASIC + HRA + DA – PF)** for each employee and display in column F.
- (iii) To find the maximum NET SALARY and display in cell F7.
- (iv) To count the number of employees and display it in cell B8.

	(v) Which feature will help her to automate the typing of sequential numbers in the column?	
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