

# COMPUTER SCIENCE

SPECIFICATION GRID-2081

Class: 8 (Eight)

Course division for different terminal examination

Term	First	Second	Third	Final
Chapter	1,2,3,4,5,7	6,8,10,11,15	9,12,13,14,17	16,18,19,20

SPECIFICATION GRID 2081 - CLASS 8 - COMPUTER SCIENCE

Time: 1 Hour

First Term

FM: 30

PM: 12

Chapter	Types of Question		
	Very Short Questions	Short Questions	Long Questions
1	1		1
2	1		
3	1	4	
4	1	4	
5	1	4	
7	1	4	
Full Form Question	1 (including any 4 short form)		
Total Weight	7 Questions for 8 Marks (6 very short questions = 6 marks + 1 full form question = 2 marks) <b>8 Marks</b>	<b>4×4=16 Marks</b>	<b>1×6=6 Marks</b>
No. of Questions	7	4	1

(Model Question)

First Terminal Examination

Time: 1 hour

Class: 8 (Eight)

Subject : Computer Science

FM: 30

PM: 12

Candidates are required to give their answers in their own words as far as possible.

Group (A)

Very short answer questions.

(8×1=8)

1. What is the basic unit of measuring storage capacity of computer?
2. Which is was the first computer brought in Nepal?
3. Define the term artificial intelligence.
4. Give one example of handheld computer.
5. Which memory is volatile RAM or ROM?
6. Write extension file name of MS-Word.
7. Write the full form of the following:  
a) EDSAC    b) VLSI    c) AI    d) GB

**Group (B)**  
**Short answer questions.**

**(4x4=16)**

1. Differentiate between third and fourth generation computers.
2. Define super computer and write its application.
3. What is computer hardware and software? Give examples.
4. What are the features of MS-Word?

**Group (C)**  
**Long answer questions.**

**(1x6=6)**

1. Describe the history of computer in Nepal in your own words.

The End

**SPECIFICATION GRID 2081 - CLASS 8 - COMPUTER SCIENCE**  
**Time: 2 Hours**

**FM: 50**  
**PM: 18**

Chapter	Types of Question		
	Very Short Questions	Short Questions	Long Questions
1	1		1
2	1		
3	1	4	
4	1	4	
5	1	4	
6	1	4	
7	1	4	
8	1	4	
10	1		1
11	1	4	
15	1	4	
Full Form Question	1 (including any 4 short form)		
Total Weight	Any 9 Questions for 10 marks can be chosen from given criteria. (8 very short questions = 8 marks + 1 full form question = 2 marks)  <b>10 Marks</b>	Any 7 Questions can be chosen from given criteria.  <b>7x4=28 Marks</b>	  <b>2x6=12 Marks</b>
No. of Questions	9	7	2

(Model Question)  
**Second Terminal Examination**  
**Time: 2 hours**

**Class: 8 (Eight)**

**Subject : Computer Science**

**FM: 50**

**PM: 18**

*Candidates are required to give their answers in their own words as far as possible.*

**Group (A)**

**Very short answer questions.**

**(10x1=10)**

1. What is meant by liveware?
2. Who invented vacuum tube?
3. Who is considered as the father of computer science?
4. Which computer can perform the task of both analog and digital computer?
5. Which short cut key is used to print the document?
6. What is the extension of Excel worksheet?
7. Write two examples of cybercrime.
8. How many letters are used in Hexadecimal number system?
9. Write the full form of the following:  
b) GIGO      b) IC      c) DVD      d) CUI

**Group (B)**

**Short answer questions.**

**(7x4=28)**

1. What is computer generation? List out the new expectations in fifth generation computer.
2. Differentiate between analog and digital computer.
3. Discuss the types of software with example.
4. What are the basic functions of an operating system? List any four of them.
5. What is meant by formatting the document?
6. What do you mean by cyber ethics? Write down any three provisions of cyber ethics.
7. Perform the given calculation as indicated.  
a)  $(101001)_2 - (1111)_2$     b)  $(1010)_2 + (1111)_2$     c)  $(735)_8 = (?)_{10}$     d)  $(99)_{10} = (?)_2$

**Group (C)**

**Long answer questions.**

**(2x6=12)**

1. Explain the working principle of computer with suitable diagram.
2. Discuss common types of cybercrimes arising in our society.

🖨 The End 🖨

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**SPECIFICATION GRID 2081 - CLASS 8 - COMPUTER SCIENCE****Time: 2 Hours****Third Term****FM: 50****PM: 18**

Chapter	Types of Question		
	Very Short Questions	Short Questions	Long Questions
1	1		1
2	1		
3	1	4	
4	1	4	
5	1	4	
6	1	4	
7	1	4	
8	1	4	
9	1		
10	1		1
11	1	4	
12	1	4	
13	1		
14	1	4	
15	1	4	
17	1	4	
Full Form Question	1 (including any 4 short form)		
Total Weight	Any 9 Questions for 10 marks can be chosen from given criteria. (8 very short questions = 8 marks + 1 full form question = 2 marks)  <b>10 Marks</b>	Any 7 Questions can be chosen from given criteria.  <b>7×4=28 Marks</b>	<b>2×6=12 Marks</b>
No. of Questions	9	7	2

(Model Question)

**Third Terminal Examination****Time: 2 hours****Class: 8 (Eight)****Subject : Computer Science****FM: 50****PM: 18***Candidates are required to give their answers in their own words as far as possible.***Group (A)****Very short answer questions.****(10×1=10)**

1. What is the main component used in fourth generation of computer?
2. How many digits are used in binary numbers?
3. What is computer network?
4. How many megabytes make gigabyte?
5. Write the extension name of MS Excel file.
6. Write the name of any two popular antivirus software.
7. How many types of tags are in HTML? Write them.
8. Define the term "Multimedia".
9. Write the full form of the following:  
a) WAN      b) WIFI      c) ICT      d) WWW

**Group (B)****Short answer questions.****(7×4=28)**

1. What is computer generation? List out the new expectations in fifth generation computer.

2. Differentiate between analog and digital computer.
3. Discuss the types of software with example.
4. What are the basic functions of an operating system? List any four of them.
5. List out advantages of multimedia.
6. What do you mean by cyber ethics? Write down any three provisions of cyber ethics.
7. Perform the given calculation as indicated.

a)  $(101001)_2 - (1111)_2$     b)  $(1010)_2 + (1111)_2$     c)  $(735)_8 = (?)_{10}$     d)  $(99)_{10} = (?)_2$

**Group (C)**

**Long answer questions.**

**(2x6=12)**

1. Define computer. Explain any four characteristics of computer.
2. Give introduction to ICT. List out positive and negative impacts of ICT in the society.

☐The End☐

**SPECIFICATION GRID 2081- CLASS 8 - COMPUTER SCIENCE**

**Time: 2 Hours**

**Annual Exam (BLE Examination)**

**FM: 50**

**PM: 18**

Chapter	Types of Question		
	Very Short Questions	Short Questions	Long Questions
1	1		1
2	1		
3	1	4	
4	1	4	
5	1	4	
6	1	4	
7	1	4	
8	1	4	
9	1		
10	1		1
11	1	4	
12	1	4	
13	1		
14	1	4	
15	1	4	
16	1	4	
17	1	4	
18	1		
19			1 (Question is compulsory from here)
20			
Full Form Question	1 (including any 4 short form)		
Total Weight	Any 9 Questions for 10 marks can be chosen from given criteria. (8 very short questions = 8 marks + 1 full form question = 2 marks)  <b>10 Marks</b>	Any 7 Questions can be chosen from given criteria.  <b>7x4=28 Marks</b>	Any 2 Questions can be chosen from given criteria.  <b>2x6=12 Marks</b>
No. of Questions	9	7	2

(Model Question)  
**Annual Examination**

**Class: 8 (Eight)**

**Time: 2 hours**

**FM: 50**

**Subject : Computer Science**

**PM: 18**

*Candidates are required to give their answers in their own words as far as possible.*

**Group (A)**

**Very short answer questions.**

**(10x1=10)**

1. Define the term 'Data'.
2. What is digital computer?
3. Write the use of Ctrl+ C and Ctrl+V shortcut key.
4. What do you mean by spreadsheet software?
5. Write the use of <img> tag in html.
6. What is antivirus software?
7. How many digits are there in binary number system?
8. Write any two application areas of multimedia.
9. Write the full form of the following:  
c) ABC      b) ICT      c) AI      d) GUI

**Group (B)**

**Short answer questions.**

**(7x4=28)**

1. What is artificial Intelligence? Mention any two features of fifth generation of computer.
2. What is computer hardware and software? Write with examples.
3. Define GUI Operating System. List out functions of Operating System (OS).
4. What do you mean by cyber ethics? Write down any three provisions of cyber ethics.
5. Write two advantages and disadvantages of computer network.
6. What is photo editing? List any two features of Photoshop?
7. Perform the given calculation as indicated.  
a)  $(101001)_2 - (1111)_2$     b)  $(1010)_2 + (1111)_2$     c)  $(735)_8 = (?)_{10}$     d)  $(99)_{10} = (?)_2$

**Group (C)**

**Long answer questions.**

**(2x6=12)**

1. Explain the role of ICT in different fields. [6]
2. Prepare a flowchart to find sum of three numbers. Write a QBasic program to find simple interest. [3+3]

☐The End☐

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