

# FACULTY OF COMPUTER SCIENCE DEPARTMENT MASTER OF SCIENCE IN DATA SCIENCE

(ENTRY TEST QUESTION PAPER)

KABUL

Spring, 2025

#### Section 1 – Technical Questions

#### 64 Marks- 40 Minutes

#### Each question carries 2 Marks

1. What will be the output of the following code?

#include <iostream> using namespace std; int main() { int x = 5; cout << "Value of x: " << x++; return o; } a. Value of x: 5 b. Value of x: 6 c. Value of x: 4 d. Compilation error 2. What is the size of an int in C++ (assuming a 32-bit system)? a. 2 bytes b. 4 bytes c. 8 bytes d. Depends on the compiler 3. What is the correct way to declare a pointer to an integer? b. int ptr\*; a. int \*ptr; c. ptr int\*; d. pointer<int> ptr; 4. Which of the following is NOT a valid C++ data type? a. double b. char d. integer c. string 5. What is the output of the following code? #include <iostream> using namespace std; int main() { int a = 10, b = 20;swap(a, b); cout << a << " " << b; return o; } b. 20 10 c. Compilation error d. Undefined behavior a. 10 20 6. What does the continue statement do in a loop? b. Skips the current iteration and moves to the next iteration a. Terminates the loop c. Exits the program d. Repeats the loop indefinitely 7. How do you properly allocate dynamic memory for an integer in C++? a. int \*p = malloc(sizeof(int)); b. int \*p = new int; d. int \*p = (int)malloc(sizeof(int)); c. int p = new int;

8. What is the output of the following code?

```
int main() {
int a=9;
cout<<a++;
}
return 0;
}
a. 7 b. 8 c. 9 d. 10
```

9. What will be the output of the following code?

```
#include <iostream>
using namespace std;
void func(int &x) {
x = x + 5; }
int main() {
int a = 10;
func(A); cout << a;
return 0; }</pre>
```

a. 10 b. 15 c. 5 d. Compilation error

**10.** Which of the following is true about constructors in C++?

a. A constructor must have a return type.

b. A constructor can be called explicitly like a normal function.

- c. A constructor is automatically called when an object is created.
- d. A class can have only one constructor.
- 11. Which of the following is NOT a valid data structure?

a. Linked List b. Stack c. Queue d. Variable **12.** What is the time complexity of accessing an element in an array (in the worst case)?

a. O(1) b. O(log n) c. O(n) d. O(n^2) **13.** In a singly linked list, what does the "head" pointer represent?

- a. The first element in the list b. The last element in the list
- c. The middle element in the list d. The memory location of the list
- 14. What is the main advantage of using a stack data structure?

a. Allows random access of elements	b. Follows LIFO (Last In First Out) order
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- c. Can store elements in sorted order d. Supports dynamic resizing
- **15.** Which of the following is a characteristic of a queue?

a. Follows FIFO (First In First Out) order b. Allows access to any element at any time

c. Elements can only be accessed from the middle d. Operations are performed at random

locations

- **16.** Which operation is associated with both stacks and queues?
  - a. Insertion b. Deletion c. Traversal d. Searching

- 17. Which of the following is true about a binary search tree (BST)?
  - a. The left subtree of a node contains values greater than the node's value
  - b. The right subtree of a node contains values greater than the node's value

c. All nodes have exactly two children

- d. The left subtree of a node contains values less than the node's value
- 18. In an array implementation of a stack, what happens if we try to pop from an empty stack?
  - a. The program continues with no change b. The program throws an error or exception
  - c. The program automatically adds an element d. The program prints, "stack is empty"
- 19. What is the main difference between a singly linked list and a doubly linked list?
  - a. A singly linked list stores more data per node
  - b. A doubly linked list has a pointer to both the next and previous nodes
  - c. A doubly linked list has a fixed size
  - d. A singly linked list can be accessed in both directions
- 20. Which of the following operations can be performed efficiently in a heap data structure?
  - a. Finding the minimum element in O(1) b. Deleting the maximum element in O(log n)
  - c. Inserting an element in O(n) d. Searching for a specific element in O(log n)
- 21. Which of the following is the primary characteristic of a Divide and Conquer algorithm?
  - a. Solves the problem by solving all possible sub problems
  - b. Breaks the problem into smaller, more manageable sub problems and combines their solutions
  - c. Solves problems sequentially without recursion
  - d. Only works on sorting problems
- 22. What is the best time complexity for finding the minimum element in an unsorted array?
  - a. O(n) b.  $O(\log n)$  c.  $O(n^2)$  d. O(1)
- 23. Which algorithm is used to find the shortest path in a weighted graph?
  - a. Dijkstra's Algorithm b. A\* Search Algorithm
  - c. Breadth-First Search (BFS) d. Bellman-Ford Algorithm
- 24. Which of the following is NOT an advantage of using recursion in an algorithm?
  - a. Recursion can simplify code for problems with a recursive structure
  - b. Recursion often uses more memory due to function call stacks
  - c. Recursion is faster than iteration
  - d. Recursion is more intuitive for problems like tree traversal
- **25.** What is the time complexity of Merge Sort in the average case?

a.  $O(n \log n)$  b. O(n) c.  $O(n^2)$  d.  $O(\log n)$ 

**26.** What is the time complexity of bubble sort?

a. O(n log n) b. O(n) c. O(n^2) d. O(log n)

27. What is the primary advantage of using a Hash Table over an array for storing data?

- a. Faster insertion and deletion operations b. Allows for easy sorting of elements
- c. Efficient searching by index d. Faster traversal of the data in order

**28.** Which sorting algorithm works by repeatedly swapping adjacent elements that are in the wrong order?

- a. Merge Sort b. Quick Sort c. Bubble Sort d. Insertion Sort
- **29.** Which of the following is a characteristic of the Bellman-Ford algorithm?
  - a. Cannot handle negative weight edges b. Can detect negative weight cycles
  - b. Is faster than Dijkstra's algorithm for dense graphs d. Requires the graph to be fully connected

**30.** In an algorithm, what does "space complexity" refer to?

- a. The amount of memory used by the algorithm as a function of input size
- b. The total number of operations performed by the algorithm
- c. The speed at which the algorithm executes
- d. The total size of the input data being processed
- **31.** What is the worst-case time complexity of Quick Sort?

a.  $O(n \log n)$  b.  $O(\log n)$  c. O(n) d.  $O(n^2)$ 

- **32.** Which of the following problems is best solved by dynamic programming?
  - a. Searching for an element in an unsorted array
  - b. Sorting a list of elements
  - c. Solving problems that have overlapping sub problems and optimal substructure
  - d. Traversing a graph in depth-first order

# Section 2 – General (Computer Science) 64 Marks- 50 Minutes

# Each Question Carries 2 Marks

33.	Which is a component	of an expert system?			
	a. Neural Networks	b. Knowledge Base	c. Genetic Algorithm	d. Cryptography	
34.	Main goal of AI is? a. Develop intelligen c. Improve database	nt machines es	b. Replace all workers d. Reduce bandwidth		
35.	AI technique for uncer	rtain decisions?			
76	a. Fuzzy Logic	b. Cryptography	c. Data Mining	d. Relational Algebra	
50.	a Reinforcement	b Supervised	c. Unsupervised	d Evolutionary	
27	ACID in databases me	ans?	el onsupervised		
.,ر	a Accurate Consisten	t Integrated Durable	h Atomicity Cons	istency Isolation Durability	,
	c Automated Central	ized Indexed Distribut	red d Associative Co	nnected Indexed Defined	
28	What 2NF removes?				
. در	a Full dependencies	h Partial dependencies	s c Transitive depende	ncies d Dunlicate data	
20	Command Betrieve da	b, i a tial dependencie.			
23.	a INSERT b			ΔΤΓ	
40	What Database index	improves?			
40.	a Storage b Betr	rieval speed c Inte	grity d Normalizati	n	
<i>1</i> 1	What OS manages?	ievai speed c. inte			
41.	a Hardware & softwar	re b Application	s c Antivirus	d Internet	
42	Example of DBMS		5	d. internet	
42.	a Windows 10	h Linuv	c Oracle	d Android	
12	Process in running star	te means	c. Oracle		
יכד	a Memory allocation	b In execution	n c File access	d Device handling	
11	What Prevents fragme	entation?		d. Device nariding	
44•	a Paging	h Swapping	c Segmentatio	n d Caching	
45	What is the nurnose of	f OSI model?	c. Segmentatio	u. caching	
47.	<ul> <li>Define internet prot</li> </ul>	ocols b Standardize	communication c Encr	unt data d Enhance	
16	What is the Protocol f			ypt data di Limance	cru
40.					
47	Which and of the follo	r C.FIF			
4/•		b Switch	c Doutor J	Popostor	
	a. nuD	D. SWITCH		nepeater	

48.	What Firewall secures	;?				
	a. Speed b. Una	authorized acces	s	c. Storage	d. Bandwi	dth
49.	RAM stands for?					
	a. Read Access Mem	ory b. Randor	n Applic	ation Memory	c. Random	Access Memory
	d. Read-Only Memory	Ý				
50.	What Executes instru	ctions?				
51.	a. Hard Drive Which one of the follo	b. CPU wing is Non-vol	c. RAM atile me	l d. GP mory?	νŪ	
	a. RAM	b. Cache	c. RON	۱ d. Reg	ister	
52.	Motherboard function	ר?				
	a. Store software	b. Connect co	mponer	nts c. Execu	te program	s d. Process graphics
53.	Goal of software engi	neering?				
	a. Reliable software	b. Open-sourc	e softwa	are c. Replace	databases	d. Eliminate coding
54. 55.	Select SDLC phase for a. Debug Unit testing checks	requirements b. Apply		c. Punchinį	2	d. Analysis
"	a. Individual parts	b. Whole syste	em	c. User accept	ance d.	Network speed
56.	Which one of the follo	owing is a succes	sive ver	sion model?		
-	a. Waterfall	b. Spiral	c. Agile	2	d. Incr	emental
57.	HTML stands for			-		
21	a. Hyper Text Markup	Language		b. High-Level 1	ext Langua	ige
	c. Hyperlink Text Man	agement		d. Home Tool	Markup	0
58.	CSS is use for	0				
59.	a. Store data b. Styl Select Secure web pro	e web pages otocol	c. Web	servers	d. Manage	e databases
	a. HTTP b. FTP		c. HTT	PS	d. SMTP	
60.	JavaScript is use for					
	a. Client side scripting	b. Styli	ing	c. Web interac	tivity d.	Database
61.	ALU main function is a. Memory Storage c. Control Processing	b. d. I	Arithme Network	tic & Logical op ing	erations	
62.	Instruction cycle is					
62	a. Reads & executes Which register holds the	b. Network cyo he address of the	cle e next ins	c. Displays gra struction to be e	phics d.	DB transaction
•5.	a. Accumulator		b. Prog	gram Counter		
	c. Instruction set		d. Poir	nter		
64.	Cache memory impro	ves?				
	a. Permanent storage	b. Processing s	speed	c. Disk space	d. Virtual r	memory

# Section 3 – Mathematics and Statistics

### 64 Marks- 35 Minutes

### Each Question carries 2 Marks

65.	If a dataset con	nsists of values	10, 12, 14,	16, 18},	what i	is the mean?	
	a. 12	b. 14	c. 15		d. 16		
66.	5. If the mean of the 5 numbers {8, 12, 15, 10, x} is 13, what is x?						
	a.20	b. 22	с. 18		d. 21		
67.	The median of	the data set {5,	8, 12, 15, 2	20, 25} i	is =?		
	a. 12	b. 13.5	C	. 14		d. 15	
68.	The mode of the	ne data set {4, 9	, 11, 4, 15,	9, 4, 11,	15, 9} i	is = ?	
	a.4	b.9	c. 4 and	9	d. 11		
69.	If the sum of ty	wo numbers is 8	o and the	eir ratio	is 3:5, \	what are the numbers?	
	a. 30 and 50	b. 32 and 48	c. 35 and	45	d. 25 ar	nd 55	
70.	If the standard	deviation of a c	lataset is	5, what	is the	variance?	
	a. 10	b. 25	c.5	(	d. 50		
71.	If 3x + 7 = 22, w	hat is the value	of x?				
	a. 5	b. 6	c. 4		d. 3		
72.	The sum of fou	ır consecutive ir	ntegers wi	ith the l	ast one	e missing is 106. The missing integer is?	
	a. 25	b. 24	c. 23	(	d. 28		
<b>73</b> .	If the complem	nent of set A cor	ntains 20 e	elemen	ts and t	the universal set contains 30 elements, how	
	many elements	s are in A?					
	a.10	b. 15	c.20		d. 25		
74.	A box contains	20 red marbles	, 15 blue n	narbles	, and 10	o green marbles. What is the probability of	
	picking a blue	marble?					
	a. 0.25	b. o.3	c. 0.35		d. 0.4		
<b>75</b> .	What is the neg	gation of the sta	atement "	'All stuc	lents p	assed the exam"?	
	a. No student p	passed the exam	n. b. 9	Some st	tudents	s did not pass the exam.	
	c. Every studer	nt failed.	d.	The exa	am was	s easy.	
76.	A data set has	a mean of 50 an	d a stand	ard dev	riation o	of 4. How much is the variance.	
	a. 2	b. 4	c. 8			d. 16	
77.	What is the res	ult of 001+100 ii	n binary?				
•	a. 111	b. 110	C	. 001		d. 101	
78.	In a class of 40 science?	students, 18 like	e math, 25	5 like sc	ience, a	and 10 like both. How many like either math or	
	a. 33	b. 30	C. 35			d. 28	
79.	If $f(x) = 3x + 2$ , w	hat is f(4)					
	a. 12	b. 14	C. 1	10		d. 18	
80.	If the log of N i	is 3 then N=?					
	a. 10	b. 100	c. 1000			d. 10000	
81.	If a dataset has	s values 6, 12, 15	, 10, 14, an	nd 16, w	hat is t	he range?	
	a. 5	b.8	c. 9		d. 10		
82.	If P(A)=0.6 and	d P(B)=0.3, assu	ming A ar	nd B are	e indep	endent, what is P(A∩B)	
	a. 0.91	b. 0.21	c. 0.18		d. 0.31		
					_		

83.	3. The sum of two numbers is 42. One number is twice the other. What are the numbers?					
	a. 14 and 28	b. 16 ar	nd 26	c. 18 ar	nd 24	d. 12 and 30
84.	The median of	the numbers {3,	, 7, 9, 12, 15,	21, 24} is:		
	a. 12	b. 9		C. 1	5	d. 10
85.	If the variance	of a dataset is 3	6, what is t	he standard	deviation?	
	a.5	b.6	C. 7	12	d. 18	
86.	If A = {1, 2, 3, 4}	} and B= {3, 4, 5,	6} then AU	В		
	a. {}	b. {3, 4}	c. {5, 6}	d. {1, 2,	, 3, 4, 5, 6}	
87.	The probability	of rolling a 3 or	n a dice is:			
	a. 1/6	b. 1/12 c. 1/3	d.	1/4		
88.	A train travels	150 miles in 3 ho	urs. How m	nuch miles ca	an travel in 12	2 minutes?
	a.1	b. 5	c. 10	d. 20		
89.	If a store sells a	an item for \$88 a	after a 20% (	discount, wł	nat was the c	original price?
	a. \$96	b. \$100		c. \$110		d. \$120
90.	If x <sup>2</sup> -2x=48, wh	nat is the value o	of x?			
	a. 3	b. 9	c.7	d. 8		
91.	The length of a	rectangle is 15	cm, and the	e width is 10	cm. What is	the area of the rectangle?
	a. 200 cm <sup>2</sup>	b. 150 cm <sup>2</sup>		c. 144 cm²		d. 120 cm²
92.	The sum of all a	angles in a quad	rilateral is			
	a. 180°	b. 270°		c.360°		d. 450°
93.	A bag contains	20 red balls and	l 80 blue ba	alls. What is	the probabili	ty of drawing a red ball?
	a. 0.4	b. o.6	с.	0.5	d. (	0.2
94.	The average of	five consecutiv	e even num	nbers is 30. V	What is the si	mallest number?
	a. 26	b. 28	c. 30	d. 3	2	
95.	A sum of mone	ey is divided amo	ong three p	eople in the	ratio 2:3:5. If	f the largest share is \$50, what is the
	total amount?					
	a. \$100	b. \$125	С. 3	\$150		d. \$200
96.	If $(X^n=1)$ and $(1/$	/ <sub>n</sub> = Error) the n=	?			
	a1	b. o	C. 1		d10	

#### Section 4 – Logic

#### 64 Marks- 30 Minutes

#### Each Question carries 2 Marks

97. If a square has four equal sides, then it is a rectangle. Which of the following is true? a. All squares are rectangles. b. All rectangles are squares c. Some rectangles are squares. d. No rectangles are squares. **98.** Which of the following is the contrapositive of "If it rains, then I will bring an umbrella"? a. If I bring an umbrella, then it rains. b. If I do not bring an umbrella, then it does not rain. c. If it does not rain, then I will not bring an umbrella. d. If it rains, then I will not bring an umbrella. 99. If all A are B, and all B are C, which of the following must be true? a. Some A are C. b. All A are C. c. Some Care A d. No A are C. 100. Which of the following is the converse of the statement: "If it is raining, then I will stay indoors"? a. If I stay indoors, then it is raining. b. If I do not stay indoors, then it is not raining. c. If it is not raining, then I will not stay indoors d. If I do not stay indoors, then it is not raining. **101.** What is the logical fallacy in the argument: "Either you support me, or you are against me"? a. False dilemma b. Hasty generalization c. Circular reasoning d. Strawman argument **102.** Which of the following is the inverse of the statement: "If I study, then I will pass the exam"? a. If I do not study, then I will fail the exam. b. If I study, then I will not fail the exam. c. If I do not pass the exam, then I did not study. d. If I do not study, then I will pass the exam. 103. Which of the following is the negation of: "All birds can fly"? a. Some birds cannot fly. b. No birds can fly. c. All birds can fly or none can fly. d. Some birds can fly.

**104.** If it is raining, the streets will get wet. It is raining. Therefore, the streets will get wet. This is an example of:

a. Modus tollens
b. Modus ponens
c. affirming the consequent
d. denying the antecedent
105. Which of the following is the correct conclusion from the statement: "If I study, then I will pass the exam.
I did not study"?

a. I will pass the exam. b. I will fail the exam.

c. It is uncertain whether I will pass the exam. d. I will not fail the exam.

**106.** What is the logical form of the argument: "If it rains, the ground gets wet. It is raining. Therefore, the ground gets wet"?

a. Modus ponens b. Modus tollens c. denying the antecedent d. affirming the consequent **107.** What is the conclusion of the argument: "If the cake is sweet, then I will eat it. The cake is sweet, so I will eat it"?

a. The cake is sweet. b. I will eat the cake. c. The cake is not sweet. d. The cake is sour.

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**108.** Which of the following is an example of inductive reasoning?

a. All dogs I have seen are brown, therefore all dogs are brown.

b. If it rains, the ground will get wet. It is raining, therefore the ground is wet.

c. If it rains, the ground will get wet. The ground is not wet; therefore, it did not rain.

d. All bachelors are unmarried; therefore, John is unmarried.

**109.** Which of the following is an example of the logical fallacy "affirming the consequent"?

a. If it rains, the streets will be wet. The streets are wet, so it must have rained.

b. If it rains, the streets will be wet. It is raining, so the streets are wet.

c. If it rains, the streets will be wet. The streets are not wet, so it did not rain.

d. If it rains, the streets will be wet. The streets are wet, so it is raining.

110. What is the contrapositive of "If it is not snowing, then the temperature is above freezing"?

a. If the temperature is not above freezing, then it is snowing.

b. If the temperature is above freezing, then it is not snowing.

c. If it is snowing, then the temperature is below freezing.

d. If it is snowing, then the temperature is not above freezing.

111. Which of the following is logically equivalent to: "If it is sunny, then I will go for a walk"?

a. If I do not go for a walk, then it is not sunny.

b. If it is not sunny, then I will not go for a walk.

c. If I go for a walk, then it is sunny.

d. If I do not go for a walk, then it is sunny.

**112.** Which of the following statements is a tautology?

a. It is either raining or not raining. b. If it rains, then the streets will get wet.

c. All bachelors are unmarried. d. If it rains, then I will stay indoors.

113. Which of the following represents the logical operation "and"?

a. V/lorV b.  $\rightarrow$ /rightarrow $\rightarrow$  c.  $\wedge$ land $\wedge$  d.  $\neg$ /neg $\neg$ 

**114.** If it is not raining, then the streets are dry. If the streets are dry, then I will go for a walk. Which of the following is logically equivalent to: "If it is not raining, then I will go for a walk"?

a. If the streets are not dry, then I will not go for a walk. b. If it is raining, then I will not go for a walk.

c. If the streets are dry, then I will go for a walk. d. If it is not raining, then the streets are dry.

**115.** What is the conclusion of the argument: "If I study, I will pass the exam. I will pass the exam. Therefore, I studied"?

a. I studied. b. I did not study. c. It is uncertain whether I studied. d. I failed the exam. **116.** What is the logical fallacy in the argument: "Either I win this game, or I quit playing. I quit playing. Therefore, I lost the game"?

a. False dilemma b. Hasty generalization c. Modus tollens d. Affirming the consequent

**117.** Which of the following is an example of deductive reasoning?

a. All birds can fly. Tweety is a bird. Therefore, Tweety can fly.

b. I have only seen brown dogs, so all dogs are brown.

c. The sun rises every day, so it will rise tomorrow.

d. If I study, I will pass the test. I studied. Therefore, I will pass the test.

**118.** If  $p \rightarrow qp$  \rightarrow  $qp \rightarrow q$  and ppp is true, which of the following must be true?

a. qqq is true. b. qqq is false. c. ppp is false. d. The conclusion cannot be determined. **119.** If all humans are mortal, and Socrates is a human, what can be concluded about Socrates?

a. Socrates is mortal. b. Socrates is immortal. c. Socrates is a human. d. Socrates is not mortal. **120.** Which of the following is the correct form of the argument: "If it rains, the ground will get wet. The ground is wet, therefore it rained"?

a. Affirming the consequent b. Modus tollens c. Denying the antecedent d. Modus ponens 121. What is the converse of the statement: "If it is sunny, I will go for a walk"?

a. If I go for a walk, then it is sunny. b. If I do not go for a walk, then it is sunny.

c. If it is not sunny, then I will not go for a walk. d. If I do not go for a walk, then it is not sunny.

122. What is the contrapositive of the statement: "If it rains, then I will stay indoors"?

a. If I do not stay indoors, then it did not rain. b. If I stay indoors, then it is raining.

c. If I do not stay indoors, then it is not raining. d. If I do not stay indoors, then it rains.

123. Which of the following is an example of the logical fallacy "circular reasoning"?

a. You should believe me because I am trustworthy.

b. If I study, I will pass the test. I studied, so I passed.

c. If I study, I will pass the test. I did not study, so I did not pass.

d. All dogs are loyal because they are loyal animals.

124. What is the inverse of the statement: "If it rains, then the grass gets wet"?

a. If the grass gets wet, then it rained.

b. If it does not rain, then the grass does not get wet.

c. If the grass is not wet, then it did not rain.

d. If the grass is not wet, then it did rain.

125. Which of the following is logically equivalent to the statement: "If it rains, then I will bring an umbrella"?

a. If I do not bring an umbrella, then it will not rain.

b. If I bring an umbrella, then it rains.

c. If it does not rain, then I will not bring an umbrella.

d. If I do not bring an umbrella, then it will rain.

126. Which of the following is an example of the logical fallacy "hasty generalization"?

- a. I have seen three cats, and they all have tails, so all cats must have tails.
- b. If I study, I will pass the exam. I studied, so I will pass.
- c. I will go for a walk if it is sunny. It is sunny, so I will go for a walk.
- d. All bachelors are unmarried. Therefore, John is unmarried.
- **127.** What is the negation of the statement: "No students passed the exam"?
  - a. Some students passed the exam.
  - b. Some students did not pass the exam.
  - c. All students failed the exam.
  - d. All students passed the exam.
- **128.** Which of the following is an example of deductive reasoning?
  - a. If it rains, the ground will get wet. It is raining, therefore the ground is wet.
  - b. The sun rises every day, so it will rise tomorrow.
  - c. If I study, I will pass the test. I studied. Therefore, I will pass.
  - d. If I eat too much sugar, I will feel sick. I ate sugar, therefore I will feel sick.

# Section 5 – English

# 64 Marks- 25 Minutes

# Each Question carries 2 Marks

<b>129.</b> Which sentence is g	rammatically correct?				
a) He go to univer	sity every day.	b) He goes to	b) He goes to university every day.		
c) He going to un	iversity every day.	d) He gone to	university every day.		
130. Choose the correct	form of the verb: "She	e dinner whe	dinner when I arrived."		
a) was cooking	b) cooked	c) cooks	d) has cooked		
131. Identify the sentence	e with correct punctu	lation:			
a) My friend John	who lives in Canada is	visiting us.			
b) My friend, Johr	ı, who lives in Canada,	is visiting us.			
c) My friend John,	who lives in Canada, i	is visiting us.			
d) My friend John	, who lives in Canada i	s visiting us.			
132. Choose the correct	word: "The book is pla	aced the tab	le."		
a) on	b) in	c) over d	d) at		
133. Which sentence is in	passive voice?				
a) She is writing a	letter. b) A lette	er is being written by	her.		
c) She wrote a let	ter. d) She w	rites a letter.			
134. What is the synonyn	n of "Abundant"?				
a) Scarce	b) Plentiful	c) Rare	d) Insufficient		
135. Choose the correct	antonym of "Optimist	ic":			
a) Positive	b) Cheerful	c) Pessimistic	d) Hopeful		
136.Fill in the blank: "Th	e manager was	about the project'	's success."		
a) Skeptical	b) optimistic	c) indifferent	d) careless		
137. Choose the correct	spelling:				
a) Achieve	b) Achieve	c) Acheeve	d) Acheivee		
138. What does the idion	n "Break the ice" mea	n?			
a) Start a conversa	ation b) Break	something physically	у		
c) Feel cold	d) Ignor	e someone			

#### Read the passage and answer the questions:

"Technology has significantly changed the way people communicate. With the rise of social media, instant messaging, and video calls, people can now stay connected regardless of geographical distances. However, while technology has brought people closer, some argue that it has also reduced face-to-face interactions, affecting real-world relationships."

139. What is the main idea of the passage?

a)	Social media is	the best way	y to communicate.
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- b) Technology has changed communication methods.
- c) People no longer need to meet in person.
- d) Technology has no impact on relationships.
- 140. According to the passage, what is one disadvantage of technology in communication?
  - a) It is expensive. b) It has reduced face-to-face interactions.
  - c) It has no disadvantages. d) It is only available in some countries.

**141.** The word "significantly" in the passage means:

a) Slightly	b) Considerably	c) Rarely	d) Negligibly
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#### **Sentence Correction & Error Detection**

**142.**Identify the incorrect sentence:

a) She doesn't knows the answer.	b) She doesn't know the answer.

- c) She doesn't knew the answer. d) She didn't knew the answer.
- **143.**Choose the correct sentence:
  - a) The movie was too long and bored. b) The movie was too long and boring.
    - c) The movie was too much long and boring. d) The movie was too much long and bored.

#### Verbal Reasoning & Logical Thinking

- **144.** If "Apple" is related to "Fruit," then "Carrot" is related to:
  - a) Fruit b) Vegetable c) Meat d) Flower
- **145.** Find the odd one out:
  - a) Teacher b) Doctor c) Engineer d) Banana

146. Rearrange the words to form a meaningful sentence: "always / she / on time / arrives"

- a) On time she arrives always. b) Always she arrives on time.
- c) She always arrives on time. d) She arrives on always time.

#### Miscellaneous (Synonyms, Antonyms, Prepositions, Tenses, etc.)

- **147.**Choose the correct preposition: "She is interested learning new languages."
  - a) in b) on c) at d) for
- 148. Choose the correct article: "She adopted \_\_\_\_\_\_ one-year-old puppy."

ā	a) a	b) an	c) the	d) None of t	he above				
149.	Select the wor	d with the corre	ect usage: "The f	teacher asked the stu	idents to t	their mistakes."			
ā	a) Correct	b) Collect	c) Corrupt	d) Create					
150.\	a) Data is the backbone of modern technologies								
t	b) Data are the backbone of modern technologies.								
C	) Datas are the	backbone of mo	odern technolog	jies.					
C	l) Data's are the	backbone of m	odern technolo	gies.					
151.	ill in the blank: '	"The professor e	emphasized the	importance of	_ in data analysis."				
	a) precisions	b) prec	ision	c) precise	d) precisely				
152.(	Thoose the corre	ect option: "The	results b	y the end of the wee	k."				
ā	a) will announce	b) will	be announced	c) are announcin	g d) announ	ced			
153.5	select the correc	ct sentence:							
ā	a) There's many	ways to solve th	nis problem.	b) There are many v	vays to solve this	problem.			
C	:) There is many	ways to solving	this problem.	d) There are many	way to solve this p	problem.			
154.(	Choose the corre	ect preposition:	"She has been v	waiting the b	us for 30 minutes.				
	a) on	b) at	c) for	d) in					
155.5	Select the correct	ct article:							
	"He adopted _	unusual a	approach to solv	ving the problem."					
	a) a	b) an	c) the	d) None of the abov	ve				
156.I	dentify the corr	ect sentence:							
a)	I can't hardly be	lieve the news.	b) I can hardly	believe the news.					
c)	I can't hardly to	believe the new	/s. d) I car	n believe hardly the n	ews.				
157.	Choose the corr	ect synonym fo	r "Eloquent":						
	a) Silent	b) Fluent	c) Weak	d) Confused					
158.	Identify the cor	rect antonym fo	or "Generous":						
	a) Kind	b) Selfish	c) Hel	pful d) Hur	nble				
159.	Choose the corr	ect tense: "By t	he time we arriv	ved, the movie	''				
	a) has started	b) had s	tarted	c) is starting d)	was starting				
160.	Select the corr	ect sentence st	ructure:						
	a) The children	n is playing outsi	de. b) The	children are playing	outside.				
	c) The children	plays outside.	d) The	children was playing	outside.				

### THE END