



Group :	<u>Computer Science</u>	Duration :	3 Hrs
Total Questions :	<u>200</u>		

Section: Mathematics

- For what value of ____ will the equation have the sum of roots equal to the product of roots?
 - 3
 - 2
 - 4
 - 4
- A set having only one element is called:
 - An empty set
 - Universal set
 - A singleton set
 - A power set
- The ordered pairs (a, b) and (a, d) are equal if and only if:
 - $b = d$
 - $b = c$
 - $b = a$
 - $a = d$
- The symbol used to denote the negation of a proposition is:
 - $\sim$
 - $\neg$
 - $\vee$
 - $\wedge$
- A square matrix $A = \{a_{ij}\}$ is a lower triangular matrix when:
 - $a_{ij} = 0$ for all $i < j$
 - $a_{ij} = 0$ for all $i > j$
 - $a_{ij} \neq 0$ for all $i < j$
 - $a_{ij} \neq 0$ for all $j < i$
- For two independent events A and B, if $P(A) = 0.6$ and $P(B) = 0.3$, then $P(A \cap B)$ is:
 - 0.9

- (b) 0.12
 - (c) 0.5
 - (d) 0.18
7. The property used in the equation $3 \times (7 \times 9) = (3 \times 7) \times 9$ is:
- (a) Closure property with respect to division
 - (b) Associative property with respect to multiplication
 - (c) Associative property with respect to addition
 - (d) Closure property with respect to addition
8. A straight-line angle is equal to:
- (a) 0.5 rotation
 - (b) π radians
 - (c) 180 degrees
 - (d) All of these
9. The power set of a set S containing six numbers is the set whose elements are:
- (a) Three subsets of S
 - (b) Two subsets of S
 - (c) Five subsets of S
 - (d) All possible subsets of S
10. The set of odd numbers between 1 and 9 is:
- (a) {1, 3, 5, 7}
 - (b) {3, 5, 7, 9}
 - (c) {1, 3, 5, 7, 9}
 - (d) {3, 5, 7}

Section: Computer Science

11. _____ is the operating system that reads and reacts in real time.
- (a) Time Sharing System
 - (b) Real-Time System
 - (c) Batch System
 - (d) Quick Response System
12. Devices that are automatically detected by Windows are called:
- (a) Plug & Play Devices

- (b) Automatic Devices
- (c) Serial Devices
- (d) Installed Devices

13. Which of the following represents the fastest data transmission speed?

- (a) Gbps
- (b) Kbps
- (c) Bps
- (d) Bandwidth

14. MFC stands for:

- (a) Memory Format Caches
- (b) Memory Function Complete
- (c) Memory Find Command
- (d) Mass Format Command

15. _____ is used to write certain formulas.

- (a) Data Menu
- (b) Insert Menu
- (c) Formula Bar
- (d) All of These

Section: English

16. The antonym of *myopic* is:

- (a) Short-Sighted
- (b) Feeble-Minded
- (c) Foresighted
- (d) Long-Sighted

17. A person who constantly calls attention to his trials and sufferings is in danger of developing a martyr complex and impressing others that he is _____ seeking sympathy.

- (a) Consciously
- (b) Willingly
- (c) Purposefully
- (d) Emphatically

18. Although her report on the effects of electromagnetic radiation was lengthy, the presentation she _____ was rather succinct.

(a) held was

(b) held

(c) is held

(d) was held

19. The authorities, fearing a _____ of their power, called for a military state in the hopes of restoring order.

(a) Subversion

(b) Premonition

(c) Predilection

(d) Infusion

20. Hygrometer is to humidity as sphygmomanometer is to _____.

(a) Pressure

(b) Blood Pressure

(c) Precipitation

(d) Heartbeat