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| Program : | <u>General Group</u> | Duration : | 3 Hrs |
| Total Questions : | <u>200</u> | | |

Section : Statistics

1) To calculate the level of association ,we can calculate coefficient of association ,the coefficient of association always lies between

- (a). -1 to +1
- (b). 0 and 1
- (c). -1 and 0
- (d). 0 and 5

2) A set representing all possible out comes of a random experiment is called

- (a). Sample space
- (b). Universal set
- (c). Simple event
- (d). Random experiment

3) For a binomial probability distribution with $n = 10$, the probability of failure ($q = 0.6$), then standard deviation of the distribution is

- (a). 6
- (b). 1.55
- (c). 4
- (d). 0.24

4) The sum of probability is always

- (a). One
- (b). Two

(c). Zero

(d). None of these

5) The idea of posteriori probability was given by:

(a). Pascal

(b). Peter n Paul

(c). Thomas Bayes

(d). M Von Loeve

Section : Basic Computer

6) is the operating system that reads and reacts in terms of actual time.

(a). Time sharing system

(b). Real time system

(c). Batch system

(d). Quick response system

7) Devices which are automatically detected by Windows are called:

(a). Plug & Play devices

(b). Automatic Devices

(c). Serial Devices

(d). Installed devices

8) Which of the following represents the fastest data transmission speed?

(a). Gbps

(b). Kbps

(c). Bps

(d). Bandwidth

9) MFC stands for

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

10) _____ is used to write certain formulas.

- (a). Data manue
- (b). Insert manue
- (c). Formula bar
- (d). All of these

Section : General Arithmetic

11) For what value of k will equation $x^2 - kx + 4 = 0$, have sum of roots equal to product of roots?

- (a). 3
- (b). - 2
- (c). - 4
- (d). 4

12) A Set having only one element is called

- (a). an empty set
- (b). universal set
- (c). A singleton set
- (d). A power set

13) The ordered pairs(a,b) and (a,d) are equal if and only if

- (a). b=d
- (b). b=c

(c). $b=a$

(d). $a=d$

14) The symbol which is used to denote negation of a proposition is

(a). \sim

(b). $-+$

(c). \wedge

(d). \vee

15) A square matrix $A = \{a_{ij}\}$ is lower triangular matrix when.....

(a). $a_{ij} = 0$ for all $i < j$

(b). $a_{ij} = 0$ for all $i > j$

(c). $a_{ij} \neq 0$ for all $i < j$

(d). $a_{ij} \neq 0$ for all $j < i$

16) For two independent events A and B, $P(A)=0.6$, $P(B)=0.3$, $P(A \cap B)$ is:

(a). 0.9

(b). 0.12

(c). 0.5

(d). 0.18

17) 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 .

18) Straight line angle is equal to

(a). 0.5 rotation

(b). Pi rad

(c). 180 degrees

(d). All of these

19) 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

20) 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 : English

21) Antonym of myopic is:

(a). Short Sighted

(b). Feeble Minded

(c). Fore Sighted

(d). Long Sighted

22) 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

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

(a). held was

(b). held

(c). is held

(d). was held

24) 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

25) Hygrometer is to Humidity as Sphygmomanometer is to ————

(a). Pressure

(b). Blood Pressure

(c). Precipitation

(d). Heartbeat