

MAHCET 2023

1. 1, 2, 3, 5, 6, 7, 9, 10, 11 _____
(a) 12 (b) 14 (c) 16 (d) 13
 2. Select the most appropriate Synonym of the given word : AEROBIC
(a) Drill (b) Inertia
(c) Inactive (d) Devil
 3. Total number of positive integral factors of 70560 ?
(a) More than 85 (b) More than 95
(c) More than 105 (d) More than 205
 4. The plan has been disused by the team at the very _____ moment?
(a) early (b) end
(c) Last (d) First
 5. KMO, OQS, SUW, _____?
(a) WZA (b) WAY
(c) VXZ (d) None
 6. What is the Advantage to using basic HTML to create document?
(a) HTML is very easy
(b) Document can be display by all word processor
(c) Document can be display by all programmer
(d) Document can be display by all browser
 7. Odd man out
(a) Micro Computer (b) Mini Computer
(c) Super Computer (d) Note book computer
 8. Which letter in ninth to the left of the thirteenth letter starting from the last letter in the English alphabet
(a) J (b) H (c) E (d) G
 9. What is the right sequence
(1) Andhra Pradesh
(2) Universe
(3) Tirupathi
(4) World
(5) India
(a) 1, 5, 3, 2, 4 (b) 2, 1, 3, 5, 4
(c) 3, 1, 5, 4, 2 (d) 5, 4, 2, 1, 3
 10. A five digit number divisible by 3 using digits 0, 1, 2, 3, 4, 5 is to be made without repetition. Find of such word.
(a) 216 (b) 260 (c) 316 (d) 200
 11. A block of 66 by 49 by 12 is melted to form a sphere, then radius of sphere is approx
(a) 20 (b) 23 (c) 21 (d) 22
 12. Find the different number from the series 12, 24, 47, 63, 185, 369, 737
(a) 24 (b) 93 (c) 737 (d) 185
 13. Find odd word
(a) Root (b) Foundation
(c) Base (d) Tunnel
 14. I commenced _____ 1st nat
(a) Since (b) For
(c) From (d) In
 15. What stored in email address
(a) domain name and user name
(b) user name and his domain
(c) postal address and name domain
(d) Domain address and postal name
 16. Synonyms : Inherent
(a) common (b) Auxiliary
(c) acquired (d) latent
 17. 1, 4, 9, 16, 25, ?
(a) 36 (b) 42 (c) 35 (d) 49
 18. I _____ English for five years
(a) Study (b) am studying
(c) Have been studying (d) studies
 19. Which one is different
(a) Humble (b) Civil
(c) Rule (d) Polite
 20. $\frac{y}{x-z} = \frac{x+y}{z} = \frac{x}{y}$ then x : y : z =
(a) 1 : 2 : 3 (b) 3 : 2 : 1
(c) 4 : 7 : 2 (d) 4 : 2 : 3
 21. The new law on "Right to Food Safety" will come into force next month.
(a) be forced upon the people
(b) be associated from next month onwards
(c) be implemented next month
(d) be withdrawn next month
 22. Complete the series : ?, 7, 14, 42, 168, 840
(a) 21 (b) 30 (c) 32 (d) 25
 23. Find out the different one
(a) Circle (b) Ellipse
(c) Cube (d) Sphere
 24. Plant entered the latent phase of development in the fall. Latent means
(a) First (b) Growth
(c) Last (d) Dormant
 25. Synonyms of Docile
(a) gentle (b) restive
(c) rebel (d) willful
 26. Synonyms of ENIGMA
(a) Indefinible (b) appease
(c) clarify (d) enlighten
 27. I have Great Antypathy _____ those who are hypocrites
(a) to (b) against
(c) him (d) for
 28. Synonym of the word Multifaceted
(a) Same (b) Similar
(c) Rigid (d) Dextrous
 29. Which is odd word
(a) Baro meter (b) Diameter
(c) Thermometer (d) lactometer
 30. Which of the following is software and hardware not software
(a) MS-word (b) Monitor
(c) Printer (d) Mouse
 31. $R_1 = \{(x, y) (x, y \in R): x^2 + y^2 \leq 25\} = R_1$,
 $R_2 = \{(x, y) x, y \in R : 4x^2 > 9y\} = R_2$
 $R_1 \cap R_2$
(a) One — one (b) Onto
(c) one — one & out (d) None of these
- Dolphins are regarded as the friendliest creatures in the sea, stories of them helping drowning sailors have been common since Roman times. The more we learn about dolphins, the more we realise that their society is more complex than people previously imagined. They look after other dolphins when they are ill, care for pregnant mothers and protect the weakest in the scientists have community, as we do. Some suggested that dolphins have a language but it is much more probable that they communicate with each other without needing words. Could any of there mammals be more intelligent than

man? Certainly the most common argument in favours of man's superiority over them, is that we can kill them more easily than they can kill us is the least satisfactory, on the contrary, the more we discover about these remarkable creatures, the less we appear superior when we destroy them.

32. It is clear from the passage that dolphins _.
- are the most powerful creatures that live in the oceans.
 - Have a reputation for being friendly with humans.
 - are proven to be less intelligent than once thought.
 - are capable of learning a language and communicating with humans. Ans. (b) a A. •
33. The fact that the writer thinks that we can kill dolphins more easily than they can kill us
- proves that dolphins are not the most intelligent species.
 - means they are better adapted to their environment than we are
 - does not mean we are superior to them
 - show that they have a sophisticated form of communication
34. One can infer from the reading that _____
- dolphins are quite abundant in some areas of the world.
 - it is not usual for dolphins to communicate with each other.
 - dolphins have some social traits that are similar to those of humans
 - dolphins have skills that no other living creatures have such as the ability to think.
35. Antonym of the word EXPANSION
- Inflation
 - Extension
 - Compression
 - augmentation
36. The number of values of C such that starting line $y = 4x + c$ touches the curves $x^2 + 4y^2 = 4$
- 2
 - 0
 - 1
 - Infinite
37. _____ are attempts by individuals to obtain confidential information from you by falsifying their identity
- Phishphins
 - Spyware scams
 - Viruses
 - computer viruses
38. $f(x) = \text{find } \sqrt{\log_{1/4} \left(\frac{5x - x^2}{4} \right)} + {}^{10}C_x$ domain
- (0, 5)
 - (0 1] \cup [4, 5)
 - (1, 4}
 - None of these
39. How many time 2 comes in 1 to 1000.
- 256
 - 216
 - 184
 - None of these
40. Which of the following to use move the document
- copy & past
 - cut & past
 - move & past
 - None of these
41. Which letter is 9th from left in a 13 letter starting from the right in a English alphabet ?
- E
 - S
 - H
 - R
42. As RATIONAL is to RATNOILA such as TRIBAL is to
- TRUABL
 - TRIALB
 - TRILBA
 - N.O.T
43. Which statement is false $x^2 - 3y^2 - 4x - 6y - 11 = 0$
- length of latus ractum $\frac{4}{\sqrt{3}}$

- eccentricity $\frac{2}{\sqrt{3}}$
 - assomptotes, intersect at right angle
 - centre of conic (1, -2)
44. $a = z^2 + z + 1$ where z be the complex polarizing than what is not the value of a
- 1
 - 1/2
 - 3/4
 - 1/3
45. Let K be the set of all odd number less than 200 and m be the set of product of two distinct number taken from k than find the total number which is divisible by 5 in m.
- 392
 - 350
 - 330
 - 450
46. Rearrange the word "TAILER" without repatriation of dictionary position of word. (suppose the numbering starts at 1 and increasing by perword)
- at least 589
 - at least 689
 - at least 659
 - at least 569
47. To take any test from it's outside site to other site without deleting it is called
- scrolling
 - searching
 - Moving
 - coping
48. If the tip as pit the pool as
- Loop
 - Pool
 - Logo
 - Nop
49. x is a GM, y is HM than $\frac{x}{y} : \frac{5}{4}$ the numbers are in ratio
- 1 : 4
 - 4 : 5
 - 3 : 2
 - 2 : 1
50. Sum of squares of odd positive integers 1 to 100 belongs to
- 15000 to 25000
 - 25000 to 35000
 - 35000 to 45000
 - more than 500000
51. If $\log_3 2 = x$ & $\log_3 5 = y$ find $\log_3 1620 = ?$
- $2(x + 2) + y$
 - $2x + y + 2$
 - $2(x + y) + 1$
 - None of these
52. $i^i = ?$
- $e^{-\pi/2}$
 - $e^{-1/2}$
 - $-\pi/2$
 - None of these
53. Electronic spreadsheet contain (most correct answer)
- Row
 - Column
 - cell
 - option a, b, c
54. Find the value of 1, 4, 9, 16 _____
- 25
 - 18
 - 20
 - 19
55. The diagonal of polygon of m sides is
- $\frac{1}{3}m(m-1)$
 - $\frac{1}{2}m(m-2)$
 - $\frac{m(m-3)}{2}$
 - None
56. In the triangle AB, BC, CA are extended such that B', C' & A' and area of $\Delta ABC = 1$ unit. Such that $AA' = 2AB$, $BB' = 2BC$, $CC' = 3AC$ then area of $\Delta A'B'C'$
- 20
 - 18
 - 24
 - 30
57. $1 + i$, $3 + 2i$, $5 + 3i$ then point are
- collinear
 - right angled
 - equilateral
 - isosalace
58. A cone of base radius 1 and height 15 m then which malted formed a 30 sphere of equal radius then find radius nearer to
- 0.5
 - 0.3
 - 1.5
 - 1.2
59. Line intersect on the hyperbola at point (-2, -6) & (4, 2) and their asymptotes (1, -2) then centre of hyperbola
- (7, 6)
 - (1, -2)
 - (10, 10)
 - (-5, -10)

60. The fourth closet square root of 10 is
 (a) 1.7783 (b) 1.7784 (c) 1.7793 (d) 1.7794
61. If $\log_5 2 = x$ then find $\log_{25} 800 =$
 (a) $2.5x + 1$ (b) $2.5x + 2$
 (c) $1.5x + 1$ (d) $1.5x + 3$
62. $f(x) - [0,3] - [1,29]$ then $f(x) = 2x^3 - 15x^2 + 36x + 1$ is
 (a) one-one & onto
 (b) one-one & not onto
 (c) onto but not one-one
 (d) neither one-one not onto
63. Find the synonym of the word faux pas
 (a) Correction (b) Right
 (c) blooper (d) Fix
64. Find wrong number in the given series
 4, 5, 12, 39, 160, 805,.....
 (a) 13 (b) 39 (c) 5 (d) 805
65. What will be next term in the series ?
 12, 24, 14, 28, 18, 36,
 (a) 26 (b) 28 (c) 20 (d) 16
66. As Dilact is to expeditions similarly direct is to
 (a) straight (b) tortuous
 (c) curved (d) circumlocator
67. x, y, z are painter. X paint wall of area A in 10 hrs.,
 Y paints wall of same area in 20 hrs. x, y, z work
 together and finishes wall 2A in 8 hrs. how many
 hours z need to paint wall of area A
 (a) 20 (b) 15 (c) 10 (d) 16
68. Find the wrong number of the series
 12, 24, 45, 89,
 (a) 12 (b) 24 (c) 89 (d) 45
69. In a row of trees, one tree is fifth from the either end
 of the row. How many trees are there in the row?
 (a) 8 (b) 9 (c) 10 (d) 11
70. Horse is to grass as automobile is to _____
 (a) Patrol (b) power
 (c) Driver (d) None
71. Find wrong one
 12, 24, 47, 93, 187, 373, 747
 (a) 24 (b) 47 (c) 93 (d) 187
72. Main page of the website is called _____
 (a) Homepage (b) Search
 (c) Book Mark (d) None
73. Odd man out
 (a) Gallon Ans. (b) Ton
 (c) Quintal (d) Kilogram
- In sentences, an idiomatic expression or a proverb is
 highlighted. Select the alternative which best
 describes its use in the sentence.
74. The course of events made it necessary for Joseph to
 start working—
 (a) events that were planned
 (b) long list of future events
 (c) A succession of unexpected events
 (d) nature of events that followed after Joseph joined
 work
75. _____ component is used for performing calculation
 (a) ALU (b) CPU
 (c) mouse (d) Printer
76. Two train start from 200 km apart from A & B meet
 at a distance of 110 m from end of the point the ratio
 of the speed of train A & B
 (a) 11 : 20 (b) 9 : 20 (c) 11 : 9 (d) 19 : 23
77. My aunt _____ on ice & broke her leg.
 (a) felt (b) fallen (c) fell (d) felled

78. If "Rain" is called "water", "water" is called "Road",
 "Road" is called "cloud", "cloud is called "sky",
 "sky" is called "sea" Then where does aeroplane fly
 (a) sky (b) cloud
 (c) water (d) sea
79. Which of the following is come already manufacture
 that can't be eraser
 (a) memory only (b) write only
 (c) Read only (d) once only
80. Statement : Many books are rocks
 All Rocks are clips
 Conclusion : Some books are clips
 No rock is book
 (a) Only Conclusion I follows
 (b) Only Conclusion II follows
 (c) Both Conclusion I and Conclusion II follow
 (d) Neither Conclusion I nor Conclusion II follows
81. If + means \div , \div means $-$, $-$ means \times & \times mesas +.
 Then $14 + 2 \times 3 \div 8 = ?$
 (a) 7 (b) 8 (c) 9 (d) 10
82. Find next term : 20 32, 45, 59, 74,
 (a) 20 (b) 90 (c) 80 (d) 85
83. MOTHERBOARD is also called as _____
 (a) Computer Board (b) System Board
 (c) Operating System (d) Computer Device
84. If $x_1, x_2, x_3, x_4, x_5, x_6$ are in G.P. and x_3 is equal to
 686. Then find the 10's place digit of x_4 .
 (a) 0 (b) 2 (c) 1 (d) 3
85. Find the real number in the expansion of 4 to the
 power 2.5.
 (a) 30 (b) 25 (c) 35 (d) 40
86. 3, 5, 10, 12, 24, 26, _____?
 (a) 50 (b) 52 (c) 46 (d) 36
87. Find the term missing in the series ?
 KJR, MMP, OPN, QSL, _____
 (a) MGL (b) LKT (c) SVJ (d) ALT
88. Why is it unethical of sharing copyright file with
 your friend :
 (a) No it is legal we can share it with friends
 (b) because it is illegal and against the copyright act
 law
 (c) because the file may contain sensitive
 information
 (d) because it is against human ethics & value.
89. In 'n' is a positive real number $x_1, x_2, x_3, \dots, x_n$ such
 that $|x_i| < 1$ then find the least value of n
 (a) 30 (b) 40 (c) 50 (d) 60
90. The algorithm sum of difference between square of
 two positive integer A and B is a fixed constant C. If
 $A = B$, then value of C is :
 (a) None of these (b) 1.303
 (c) $\log 2$ (d) $\exp 2$
91. To save a file on computer for the first time which is
 used
 (a) Save as (b) Save on
 (c) Print (d) Save in
92. When a text document is print, then document is
 called
 (a) Soft Copy (b) Hard Copy
 (c) Both (d) None
93. Peripheral devices plotter & printer considered as :
 (a) Hardware (b) Software
 (c) Data (d) Information
94. DMC, GNH, JOM, _____

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- (a) MPT (b) MPU (c) IPU (d) MPR
95. When a page is ready to print we can review it using :
 (a) Print Preview (b) List Preview
 (c) Print Screen (d) None
96. Select the most appropriate Synonym of the given word : CONTEMPT
 (a) Respect (b) Affection
 (c) Esteem (d) Hatred
97. I was impressed with her performance.
 (a) too (b) very (c) so (d) such
98. The feature that makes a right margin ?
 (a) Word Wrap (b) Right ragged
 (c) Right Justified (d) None of these
99. 'nso ptr kli chn' stands for 'Sharma gets marriage gift'; 'ptr Inn wop chn' stands for 'wife give marriage gift'; 'Iti wop nhi' stands for 'he give nothing' what would mean 'gives'
 (a) wop (b) kli (c) ptr (d) chn
100. 210, 195, 175, 150, 120, ?
 (a) 100 (b) 90 (c) 95 (d) 85

1	2	3	4	5	6	7	8	9	10
d	a	c	c	b	d	d	c	c	a
11	12	13	14	15	16	17	18	19	20
c	c	d	c	a	d	a	c	c	d
21	22	23	24	25	26	27	28	29	30
c	a	c	d	a	a	b	d	b	d
31	32	33	34	35	36	37	38	39	40
d	b	c	c	c	a	a	c	b	b
41	42	43	44	45	46	47	48	49	50
a	c	c	d	a	d	d	a	a	d
51	52	53	54	55	56	57	58	59	60
a	a	d	a	c	b	a	a	b	a
61	62	63	64	65	66	67	68	69	70
a	c	c	a	a	a	c	a	b	a
71	72	73	74	75	76	77	78	79	80
a	a	a	b	a	c	c	d	c	a
81	82	83	84	85	86	87	88	89	90
w	b	b	a	w	b	c	b	d	a
91	92	93	94	95	96	97	98	99	100
a	b	a	d	a	d	b	c	a	d

