

Directions for Question No. 1 to 5:

Answer these questions based on the following information. J, K, L, M, and N collected stamps. They collect a total of 100 stamps. None of them collected less than 10. No two among them collected the same number.

- (i) J collected the same number as K and L put together.
- (ii) L collected three more than the cube of an integer.
- (iii) The number collected by J was the square of an integer.
- (iv) The number collected by K was either the square or the cube of an integer.
- (v) The number collected by M and N are in the ratio 4:3

1. The number collected by J was

(a) 27	(b) 49
(c) 36	(d) 64
2. The number collected by K was

(a) 16	(b) 27
(c) 25	(d) 36
3. The difference in the numbers collected by L and M was

(a) 3	(b) 2
(c) 5	(d) 9
4. The number/ numbers collected by how many in the group was / were prime numbers?

(a) 0	(b) 1
(c) 2	(d) 3
5. The numbers collected by which pair among the following together add up to the cube of an integer?

(a) K & L	(b) J & N
(c) M & N	(d) M & L

Directions for Question No. 6 to 7: These questions are based on the following information:

In a tourist group, 100 go to Delhi, 70 to Varanasi and 50 to Nepal. Of these 20 go to Nepal only, 30 to Varanasi only, 10 to Nepal and Varanasi only and 5 go to all the three places.

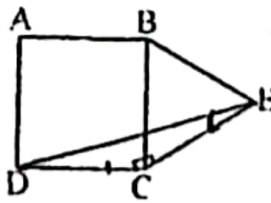
6. How many go to Delhi only?

(a) 60	(b) 65
(c) 55	(d) 75
7. How many go to Delhi and Varanasi only?

(a) 28	(b) 15
(c) 25	(d) 20
8. A man buys spirit at Rs. 60 per litre, adds water to it and then sells it at Rs. 75 per litre. What is the ratio of spirit to water if his profits in the deal is 37.5%?

(a) 9:1	(b) 10:1
(c) 11:1	(d) None of these

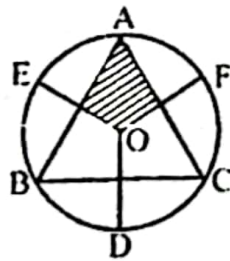
9. When a two-digit number is divided by the sum of its digits, the quotient is 4. If the digits are reversed, the new number is 6 less than twice the original. The number is
 (a) 12 (b) 21
 (c) 42 (d) 24
10. Fourth term of an arithmetic progression is 8. The sum of the first 7 terms of the arithmetic progression is
 (a) 7 (b) 64
 (c) 56 (d) 86
11. A hall whose length is 16 m and breadth is twice its height requires for papering its four walls 16 m of paper 2 m wide. The area of the floor is
 (a) 160 m^2 (b) 144 m^2
 (c) 156 m^2 (d) 192 m^2
12. If P is (-3, 4) and Q shows the reflection of the point P on x-axis. Point R is the reflection of image Q on y-axis. Then coordinates of point R is:
 (a) (3, 4) (b) (-3, -4)
 (c) (-3, 4) (d) (3, -4)
13. Six men with the help of seven boys can complete a job in four days; four men with the help of twelve boys can do the same work in $3\frac{15}{16}$ days. How long does one man take to do the job by himself?
 (a) 40 days (b) 24 days
 (c) 36 days (d) 28 days
14. Instead of a meter scale, a cloth merchant uses a 120 cm scale while buying, but uses an 80 cm scale while selling the same cloth. If he offers a 20 percent discount, what is his overall percent profit?
 (a) 20% (b) 25%
 (c) 40% (d) 15%
15. When the price of oranges decreases by 20%, a person can buy 5 oranges more for Rs 100. How many oranges can he now buy, if he spends Rs. 120?
 (a) 30 (b) 35
 (c) 40 (d) Cannot be determined
16. If ABCD is a square and BCE is an equilateral triangle, what is the measure of angle DEC?



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- (a) 15° (b) 30°
 (c) 20° (d) 45°

17. ABC is an equilateral triangle, PQRS is a square symmetrically inscribed in the triangle ABC so that one side PQ of the square is on BC, and R and S are on the other two sides AC and AB respectively. Then $\frac{AS}{SB}$ is equal to
- (a) 1:1 (b) $1:\sqrt{3}$
 (c) $1:\sqrt{2}$ (d) $\sqrt{3}:2$
18. Two clocks commence striking a certain hour simultaneously, but the frequency of chiming of the first is different from that of the second. The third stroke of the first is coincident with the fourth stroke of the second, and the first strikes three times after the second has stopped striking. What is the hour?
- (a) 9 (b) 10
 (c) 11 (d) 12
19. An equilateral triangle and a right-angled triangle, having the same base are inscribed within the same circle. What is the ratio of area of the equilateral triangle to area of the right-angled triangle?
- (a) 3:2 (b) 3:4
 (c) 2:1 (d) 5:4
20. Patel sells two cows for Rs. 10,000 each, neither losing nor gaining in the deal. If he sold one cow at a gain of 66.66% find the loss (%) for another cow.
- (a) 66.66% (b) 33.33%
 (c) 28.56% (d) 50%
21. ABC is inscribed in a circle, whose centre is O. What fraction of the area of the circle does the shaded region occupy?



- (a) $\frac{3\sqrt{3}}{4\pi}$ (b) $\frac{\sqrt{3}}{\pi}$
 (c) $\frac{3\sqrt{3}}{2\pi}$ (d) $\frac{\sqrt{3}}{2\pi}$

Direction for question 22-25: These questions are based on the following information.

Six couples stay in a row in a colony - Couples A, B, C, D, E and F not necessarily in the same order. The group contains two doctors, 1 engineer, 1 artist, 2 MBAs, 1 social worker, 1 government officer, 1 business person and 3 housewives. One of the doctor is married to an engineer, while the other's wife is a housewife. Mr. A who is a government official stays in one corner of the row, while the other corner is occupied by a businessman married to a social worker. The doctors are not neighbours nor are the MBAs; but both the doctors have an MBA as a common neighbour and both the MBAs have a doctor as a common neighbour. One of the middle houses is occupied by Mr. C, and an artist who have the luxury of having doctors on either side of their house.

22. Who cannot be the neighbour of the Engineer?
 (a) Artist (b) MBA
 (c) Doctor (d) Housewife
23. Who can be the spouses of the 2 MBAs?
 (a) Engineer & Artist (b) Doctor & Housewife
 (c) Artist & Housewife (d) Artist & Government Official
24. Who amongst the following can be the wife of the government official?
 (a) MBA (b) Engineer
 (c) Doctor (d) None of these
25. Who cannot be the neighbour of the social worker?
 (a) Engineer (b) Doctor
 (c) MBA (d) None of these
26. Which of the following tasks are not performed by the Election Commission?
 (a) Preparing the Electoral Rolls (b) Setting up polling booths
 (c) Supervising the Panchayat Elections (d) Both A and B
27. Nankana Sahib is a popular place where Baba Guru Nanak was born. It is located near the river:
 (a) Ganga (b) Jhelum
 (c) Ravi (d) Tapti
28. Kitab ul Hind was written by
 (a) Marco Polo (b) Al-Biruni
 (c) Ibn Battuta (d) Mahmud Wali Balkhi
29. Lord Buddha gave his first sermon at _____
 (a) Lumbini (b) Kushinagar
 (c) Sarnath (d) Sanchi
30. John Marshal dedicated his important volumes on Sanchi to _____
 (a) Jahangir (b) Wajid Ali Shah
 (c) Siraj-ud-Daulah (d) Sultan Jehan Begum
31. The 'Jnanpith Award' is given in the field of
 (a) Literature (b) Music
 (c) Peace (d) Indian Philosophy
32. What is the term of office of the Comptroller and Auditor-General (CAG) of India?
 (a) 5 years (b) 6 years
 (c) 10 years (d) 12 years
33. Who is popularly known as 'Martin Luther of India'?
 (a) Dayanand Saraswati (b) Subhash Chandra Bose
 (c) Dadabhai Naoroji (d) Bal Gangadhar Tilak



34. What is the normal 'iddat' period in Muslim marriage in India?
 (a) 1 month (b) 2 months
 (c) 3 months (d) 4 months
35. The headquarters of Asian Development Bank are at:
 (a) Bangkok (b) Manila
 (c) Singapore (d) Tokyo
36. Which of the following is not a source of revenue to the village Panchayats?
 (a) Property Tax (b) House Tax
 (c) Land Tax (d) Vehicles Tax
37. Ganga is navigable between
 (a) Haridwar and Kanpur (b) Allahabad and Varanasi
 (c) Patna and Kolkata (d) Allahabad and Haldia
38. What is the maximum age prescribed for election as President of India?
 (a) 58 years (b) 62 years
 (c) 60 years (d) No such limit exists
39. A woman being married to two men would be an example of:
 (a) Monogamy (b) Cohabitation
 (c) Polyandry (d) Polygyny
40. Sanskritization implies
 (a) Change in caste structure (b) Change of caste structure
 (c) Change for caste structure (d) None of the above
41. The Ain-i-Akbari was written by
 (a) Ferishta (b) Ibn Batuta
 (c) Abul Fazl (d) Birbal
42. What is the full form of VPN?
 (a) Virtual Private Network (b) Voice Protocol Net
 (c) Value Press Network (d) Virtual Postal Network
43. Which of the following do not belong to Solar System?
 (a) Asteroids (b) Comets
 (c) Planets (d) Nebulae
44. In Bengal, the headquarters of East India Company were located at:
 (a) Fort St. David (b) Fort William
 (c) Fort St. George (d) None of these
45. Which among the following planets is smaller in size than the Earth?
 (a) Neptune (b) Venus
 (c) Saturn (d) Uranus



46. The most important public building of Mohenjo Daro is
 (a) Granary (b) Great Bath
 (c) Citadel (d) Palace
47. Which Guru completed the compilation of the Granth Sahib?
 (a) Guru Nanak (b) Guru Gobind
 (c) Guru Arjun Das (d) Guru Har Govind
48. 'Habeas Corpus' means
 (a) 'Arrest the body' (b) 'Show the body of'
 (c) 'Throw the body' (d) 'Dispose the corpse'
49. Universal Adult Franchise means:
 (a) The right to vote should be given to all adults (b) The right to universal adult education
 (c) The right to universal human rights (d) The right to visit France
50. Which of the following Writs is not specifically provided in the Constitution of India?
 (a) Prohibition (b) Mandamus
 (c) Quo Warranto (d) Injunction
51. If CAT is coded as 24, what will the code for BAT? *CAT = 24
BAT*
 (a) 32 (b) 21
 (c) 23 (d) 42
52. If 'water' is called 'food', 'food' is called 'tree', 'tree' is called 'sky' and 'sky' is called 'wall', which of the following does a 'fruit' grow?
 (a) water (b) food
 (c) tree (d) sky
53. In a certain code S is coded as Z, 7 as E, 2 as S, 9 as T, and W as 4. How is 977452 coded in the code?
 (a) SEEWZT (b) TEEWZS
 (c) ZEEWST (d) WEEZST
54. Find the term which would replace the question mark: XYQ, ZAR, BCS, DET, ? *EU*
 (a) GFU (b) FUG
 (c) FZU (d) FGU
55. Pointing towards a person in a photograph, Aruna said, "He is the only son of the father of my sister's brother." How is the person related to Aruna?
 (a) Maternal Uncle (b) Mother
 (c) Father (d) Brother
56. If A+B means A is the brother of B; A×B means A is the mother of B; and A+B means A is the sister of B, then which of the following would mean X is the uncle of Y?
 (a) X × A+Y (b) X × Y + A
 (c) X + A × Y (d) X + A × Y

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57. What letter occurs in EXERCISE and three times in EXTRAORDINARY?
- (a) E (b) R
(c) X (d) I
58. If first and second letters of the word MISFORTUNE were interchanged, also the third and the fourth, the fifth and the sixth letters and so on, which letters would then be the eighth while counting to your left?
- (a) F (b) U
(c) O (d) T
59. X was born on March 3, 1980. Y was born 4 days before X. If February 26 that year fell on Saturday, then which day is Y's birthday?
- (a) Thursday (b) Friday
(c) Wednesday (d) Monday

Direction for Question Nos. 60-63. Answer the questions based on the information given below:

R, S, T, U, V and W sat round a circular table playing cards. It was noticed that no two men the initial letters of whose names are adjacent in the alphabetical order sat next to each other. U was opposite to R, and V's colleague was to the right of R.

60. Who sat to the left of R?
- (a) S (b) T
(c) V (d) W
61. Who sat to the right of R?
- (a) S (b) T
(c) V (d) W
62. Who sat to the right of U?
- (a) S (b) T
(c) V (d) W
63. Which two players sat opposite to each other?
- (a) ST (b) TU
(c) VU (d) RS

Direction for Question Nos. 64-67. Answer the questions based on the information given below:

- (i) The Englishman lives in the Red house
(ii) The Italian drinks tea
(iii) The Norwegian lives in the first house on the left.
(iv) In the second house from the right they drink milk.
(v) The person living adjacent to the blue house drinks cocoa.
(vi) The Spaniard drinks fruit juice.
(vii) Tea is drunk in the blue house.
(viii) The white house is to the right of the red house.

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64. Milk is drunk by
 (a) Norwegian (b) Englishman
 (c) Italian (d) None of these
65. The Norwegian drinks
 (a) milk (b) cocoa
 (c) tea (d) fruit juice
66. The colour of the Norwegian's house is
 (a) white (b) red
 (c) blue (d) cannot be determined
67. Which of the following is not true?
 (a) Milk is drunk in the red house (b) Italian lives in the blue house
 (c) The Spaniard lives in a corner house (d) The Italian lives next to the Spaniard

Direction: Question Nos. 68-72 are based on the information provided in the following table which provides the details of the hotel projects in Mumbai. Here cost is the initial cost of investment for a particular project.

New Hotel Projects in Mumbai				
Project	No. of Rooms	Cost (Rs. Cr)	Year of completion	Company
Wellington Mews	250	125	1999	IHCL
Airport Hotel	350	150	1999	IHCL
Leela Hotel	310	235	1999	Leela Venture
Mumbai Hilton	250	250	1998	Bharat Hotels
Radisson Hotel	536	225	1998	Lokhandwala
Marriot	500	250	1999	Raheja
Sheraton Hotel	300	300	1999	ITC Hotels
Hyatt	500	250	2000	Asian Hotels

68. Which of the following company has the least investment per number of rooms?
 (a) ITC (b) Lokhandwala
 (c) Asian Hotels (d) Raheja
69. If the increase in value of investment is 10% per annum, what would be the future value of total investment for projects completed in 1998 as on the year 2000?
 (a) Rs. 1,395 cr (b) Rs. 675 cr
 (c) Rs. 570 cr (d) Rs. 2,400 cr
70. Which of the following company has the highest ratio of number of rooms to investment in the given years?
 (a) Bharat Hotels (b) ITC
 (c) Leela Venture (d) Asian Hotels

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71. If the project of IHCL for Wellington Mews is launched on Jan 1, 1997, what would be the compound rate of interest per annum, if the amount claimed by the financing firm Ashok Leyland is 180 crore on Jan 1, 1999?
- (a) 12% (b) 10%
(c) 20% (d) 15%



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72. If the compound rate of interest is 10% per annum, what will be the value of investment in Hyatt after 3 years of completion?
- (a) 332.75 cr (b) 325.25 cr
(c) 350.75 cr (d) None of these

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Direction for Question Nos. 73-75

Parikrama band are late for a concert in the evening. On the way they come across a cracky bridge which has no lighting. The bridge is strong enough to hold only two of them, and they have only one torch with them. Andy can get across the bridge in 2 min, Sandy takes 3 min, Kandy takes 6 min, but Mandy takes 9 min. Two band members together can only move as fast as the slowest member of the band, and one band member must be carrying the torch during the crossing. The band crosses the bridge in such a manner that the time taken is minimum.

73. What is the time taken to cross the bridge?
- (a) 21 min (b) 20 min
(c) 22 min (d) 23 min
74. Who are the last persons to move across the bridge?
- (a) Andy and Mandy (b) Kandy and Mandy
(c) Andy and Sandy (d) None of these
75. Who crosses the bridge in the second trip?
- (a) Andy and Mandy (b) Andy and Kandy
(c) Sandy and Kandy (d) Mandy and Kandy

Read the passage given below and answer Questions 76 – 80.

For thousands of years, humans have been breeding animals and plants with desirable traits using genetic selection, which actually is, in a sense, speeding up the process of Darwinian selection through human intervention, albeit by trial and error. Success is achieved over a few years or decades instead of the thousands of years, the natural process takes.

Nobel Prize in Chemistry in 2018 has been awarded to three scientists who developed laboratory methods of controlling evolution and harnessing its power to engineer enzymes and binding proteins – using the same tools as nature, of genetic mutation and selection – for the benefit of mankind. This is called “directed evolution”, a man-made procedure that compresses the evolution timescale by orders of magnitude down to a few years – much less than breeding timescales – to produce new enzymes and proteins in the laboratory that are useful for human survival. The notion of “survival of the fittest” in nature’s scheme of things is mimicked in the laboratory through directed evolution to create new useful entities.

76. According to the passage, ‘genetic selection’ is opposed to:
- (a) Animal selection (b) Natural selection
(c) Laboratory selection (d) Test tube

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77. According to the passage, the Nobel Prize in Chemistry in 2018 is awarded for:
 (a) Birth control (b) Directed Evolution
 (c) Transplantation (d) Developing designer chemicals
78. According to the passage, scientists today are developing genetic mutations that are:
 (a) Destructive (b) Useful
 (c) Catastrophic (d) Mimetic
79. According to the passage, scientists have reduced the evolution timescale to a:
 (a) Century (b) Score
 (c) Few years (d) On order
80. According to the passage, the notion of 'survival of the fittest' in nature's scheme is:
 (a) By trial and error (b) Genetic Mutation
 (c) Laboratory engineering (d) Petri dish evolution
81. Many a student _____ talented in the class.
 (a) is (b) are
 (c) have (d) has
82. I take objection _____ what you are saying?
 (a) of (b) for
 (c) with (d) to
83. This is a _____ good luck.
 (a) stroke of (b) stream of
 (c) round of (d) plenty of
84. Did he _____ to find fault with my work.
 (a) dare (b) ought
 (c) should (d) could
85. This area abounds _____ medicinal herbs.
 (a) of (b) to
 (c) from (d) with
86. He avenged _____ father's murder.
 (a) on (b) to
 (c) of (d) with
87. All I know is that I would not be at peace with myself unless I _____ there.
 (a) do not go (b) had gone
 (c) shall not (d) will not
88. One who despises persons of lower social position:
 (a) Aristocrat (b) Prim
 (c) Prig (d) Snob



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89. The synonym of 'VARIEGATED' is
 (a) many coloured (b) empty
 (c) dull (d) light
90. The synonym of 'impalpable' is
 (a) Abolished (b) biased
 (c) untouchable (d) disquieted
91. Saying things in a roundabout way is termed as:
 (a) Circumlocution (b) Perrylocution
 (c) Circumafulation (d) Perrilocution
92. The movie was really _____ : I simply dozed off during the first half an hour itself.
 (a) Incipient (b) beguiling
 (c) Insipid (d) intriguing

93. Prisoners should be given a _____ treatment
 (a) human (b) humane
 (c) humanitarian (d) humanly
94. A man who always thinks that he is ill is
 (a) Valetudinarian (b) Obsessed
 (c) Salubrious (d) Salutary
95. The synonym of 'opulence' is
 (a) poverty (b) penury
 (c) indigence (d) affluence

96. Choose the correct Passive voice of the following:

Has anybody shown you what to do?

- (a) Who have shown you to do what? (b) Have you been shown what to do?
 (c) Have you been shown what you should do? (d) What to do has been shown to you.
97. Which of the following sentences is not correct?
 (a) Forty rupees is too much for this purse. (b) Everyone of the boys loves to ride.
 (c) Either you or he is mistaken. (d) Neither his sister nor his brother were just.
98. Spot the error.

- (A) A lot of travel delay is caused
 (B) Owing to inefficiency and lack of good management
 (C) On behalf of the travel company.
 (D) No error

- (a) (A)
 (c) (C)

- (b) (B)
 (d) (D)



99. Find the section of the sentence where the error lies.

- (A) All of us have been
- (B) trying to convince her
- (C) since a week
- (D) No error

(a) (A)

(b) (B)

(c) (C)

(d) (D)

100. Choose the part which has an error:

The examiner asked him / that why he had / not brought / his project work.

(A)

(B)

(C)

(D)

(a) (A)

(b) (B)

(c) (C)

(d) (D)

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Answer Key M.B.A. (Agribusiness & Economics) Admission Test 2019-20

SERIES: B

Q.No.	Answer
1	C
2	C
3	C
4	B
5	D
6	C
7	C
8	B
9	D
10	C
11	D
12	D
13	C
14	A
15	A
16	A
17	D
18	B
19	A
20	C
21	A
22	C
23	C
24	D
25	D
26	C
27	C
28	B
29	C
30	D
31	A
32	B
33	A
34	C
35	B
36	A
37	D
38	D
39	C
40	A

Q.No.	Answer
41	C
42	A
43	D
44	B
45	B
46	B
47	D
48	B
49	A
50	D
51	C
52	D
53	B
54	D
55	D
56	C
57	B
58	A
59	D
60	C
61	B
62	D
63	A
64	B
65	B
66	D
67	D
68	B
69	C
70	D
71	C
72	A
73	B
74	C
75	D
76	B
77	B
78	B
79	C
80	B

Q.No.	Answer
81	A
82	D
83	A
84	A
85	D
86	A
87	B
88	D
89	A
90	C
91	A
92	C
93	B
94	A
95	D
96	B
97	D
98	C
99	C
100	B

COORDINATOR
Dated : 27.05.2019