Model Entrance Questions

Master of Computer Applications

Directions (1-3) : Choose the word which is most nearly the SAME in meaning as the word given in bold as used in the passage.

1. **ENLIGHTENMENT**
   (1) Lightness (2) Insight
   (2) Twilight (4) Blinding
   (5) Proficiency

2. **SUBLIMITY**
   (1) Despression (2) Reduction
   (3) Subversion (4) Precipitation
   (5) Proficiency

3. **DEDICATED**
   (1) Devoted (2) Loyal
   (3) Submissive (4) Sincere
   (5) Conscious

Directions (4-6) : Choose the word which is most OPPOSITE in meaning as the word given in bold as used in the passage

4. **FRAGRANCE**
   (1) Aroma (2) Perfume
   (3) Smell (4) Flavour
   (5) Stink

5. **PECULIAR**
   (1) Characteristic (2) Special
   (3) Specific (4) Distinct
   (5) Universal

6. **ETERNAL**
   (1) Momentary (2) Continual
   (3) Everlasting (4) Endless
   (5) ceaseless

Directions (7 & 8) : Read each sentence to find out whether there is any grammatical error in it. The error any will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5), (Ignore the errors of punctuation, if any)

7. The forest service (1)/ announced that (2)/ the forest fire (3)/ would destroy our town (4)/ No error (5)

8. I respectedly (1)/ request(2)/ your consideration(3)/ of my application(4)/ No error(5).

Directions (9-11) : In each sentence below, four words which are numbered (1), (2), (3) and (4) have been printed in bold type, one of which may be either inappropriate in the context of the sentence or wrongly spelt. The number of that word is the answer. If all the four words are appropriate and also correctly spelt, mark (5) i.e. 'All Correct' as the answer

9. There **was** (1) / **Several** (2) / simple **explanations** (3) / for the **defeat** (4)/ **All Correct** (5)

10. The **audience** (1)/ **are** (2)/ **applauding** (3)/ **vigorously** (4)/ **All correct** (5).

11. About one-third of the questionnaires **were** (1)/ not **returned** (2)/ and one seventh of the **replies** (3)/ were **unusable** (4)/ **All correct** (5).

Direction (12 – 15) : Each sentence has four parts P, Q, R and S. Find out the correct order of the parts in each question to make a meaningful sentence.

12. Of the next election (P)/ while a politician (Q)/ always thinks (R)/ a statesman thinks of the next generation (S).
    (1) QRPS (2) PQRS
    (3) RPQS (4) SPQR

13. has taken a number of steps (P)/ for safe and comfortable journey (Q)/ the ministry of railways (R)/ by the public (S).
    (1) QSRP (2) PSQR
    (3) QPSR (4) RPQS

14. the effect (P)/ is not desirable (Q)/ on children (R)/ of cinema (S).
    (1) PSRQ (2) SPQR
    (3) SRPQ (4) RPQS

15. at his dispensary (P)/ went to him (Q)/ people of all professions (R)/ for medicines and treatment (S).
    (1) QPRS (2) RPQS
    (3) RQSP (4) QRPS

Direction (16 – 18) : Fill up the blank with the most suitable word.

16. Gandhiji had …… unique weapon to protest called the satyagraha
    (1) An (2) many
    (3) a (4) most

17. I cannot …… meaning of the sentence
    (1) make (2) make up
    (3) make for (4) make out

18. He was complaining …… severe chest pain
    (1) against (2) with
    (3) of (4) from

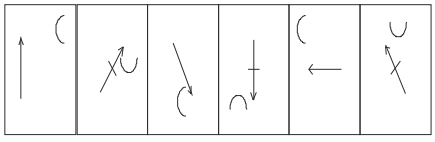
Directions: In questions nos. 19 & 20 , sentences are given with blanks to be filled in with appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four and indicate it by blackening the appropriate rectangle in the Answer-Sheet

19. The little girl was knocked down by a speeding car and she lost her __ immediately.
    (1) conscience (2) conscientious
    (3) conscious (4) consciousness

20. They have had to put __ the football match because of snow
    (1) of (2) off
    (3) up (4) on

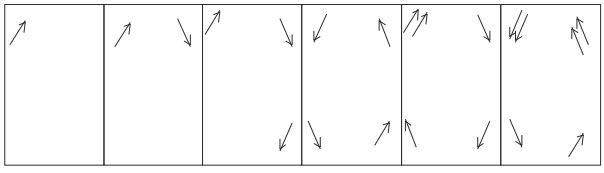
Directions: In Question nos. 21 & 22 in each of the following questions, there are four numbered figures and two un-numbered figures on the extremes. These six figures from a series. However, one of the four numbered figures does not fit into the series. The number of that figure is the answer in each question.

21.



1 2 3 4

22.



1 2 3 4

23. Find the wrong number in the following series:
    1, 2, 4, 7, 13, 24, 54, 81
    (a)13
    (b)24
    (c)54
    (d) 81

24. If in a certain language SURGEON is coded as HRITVLM, how is PHYSICIAN in that language?
    (1) KSBHRXRZM
    (2) LTAKJYJUP
    (3)IETWSOSHK
    (4) GMDLFQFVK

25. If COURAGE is coded as RECGOAU, how is ADVENTURE coded in that code?
    (1)RSKMQRKLM
    (2)KRENUATVN
    (3)NEARDUVTE
    (4)MRHQCPVWQ

Directions: In Question nos. 26 to 28: Five friends A, B, C, D and E went on a summer vacation to five cities namely Chennai, Kolkata, Delhi, Bangalore and Hyderabad by five different modes of transport – bus, train, aero plane, car and boat from Mumbai. C went to Bangalore by car and B went to Kolkata by air. D travelled by boat whereas E went by train. Between Mumbai, Delhi and Chennai there is no bus service. The person who went to Delhi did not use boat to travel. Now answer the questions that follow:

26. Which of the following mode of transport was used by the person who travelled to Delhi?
    (1) Aeroplane (2) Bus
    (3) Train (4) Car

27. How did A travel and where did he go?
    (1) By train to Chennai
    (2) By bus to Hyderabad
    (3) By train to Delhi
    (4) By boat to Chennai

28. Six books P, Q, R, S, T and U are placed side by side. R, Q, T have blue covers and other books have red covers. Only S and U are new
(1) Q and R (2) Q and T
(3) Q and U (4) T and U

29. A letter series whose one term is missing, is given below. Choose the missing term out of the given alternatives.
Lfw, iib, flg, (…), zrq

(1) ufm (2) col
(3) pgw (4) kbq

30. A letter series, whose one term is wrong, is given below. Find out the wrong term out of the given alternatives.
AtQ, WrU, ApY, EmC, IlG, MjK

(1) WrU (2) ApY
(3) EmC (4) IlG

Directions (31-33) **:** Read the following information carefully and answer the questions given below:

i. There are five buildings – A, B, C, D and E in a row facing towards East but not necessarily in the same order. Five other buildings – P, Q, R and T are in another row facing towards West. The buildings in each row are arranged infront of one another.
ii. B is at one of the end. There is only C between B and D. A is to the immediate left of D.
iii. R is just opposite to C and is between P and Q. S is to the immediate right of P.

31. Which of the following pairs is at both the ends in any of the two rows?
(1) B and A (2) Q and S
(3) P and T (4) B and E
(5) None of these

32. A is in front of which of the following buildings?

(1) S (2) P (3) T (4) Q (5) R

33. Which of the following buildings?

(1) S (2) R
(3) T (4) Data inadequate
(5) None of these

Directions (34-36) **:** Read the following information carefully and answer the questions given below:
Five flats – A, B, C, D, E. which are at equi-distance, are arranged in a semi-circle but not necessarily in the same order. The middle falt B faces towards North-East and is immediate right to D while C is to the immediate right of B.

34. D faces which direction?

(1) North (2) North-East
(3) East (4) West
(5) North-west

35. Which of the following two flats are at both the ends?

(1) A and D (2) C and D
(3) B and E (4) A and E
(5) Data inadequate

36. What should come in the place of question mark (?) in the following letter series?
ADG CFI ? QJM

(1) EGJ (2) EHK
(3) DFI (4) DCH
(5) None of these

37. 9% of 50 + 8% of 24 – ? = 5.4

(1) 18.3 (2) 1.83
(3) 1.02 (4) 10.2
(5) None of these

38. 4.25×15×3/4 = ?

(1) 4.7812 (2) 46.6875
(3) 4.6687 (4) 47.8125
(5) None of these

39. $0.333 \div (^{2}/3) = ?$

(1) 0.6660 (2) 0.4995
(3) 0.4990 (4) 0.1110
(5) None of these

40. (7/5)- (5/9)+(3/8)= ?

(1) 8/9 (2) 7/8
(3) 1/18 (4) 1 1/18
(5) None of these

(4) Flower

41. Bharat Nirman Scheme of the UPA Government does not include :
    (1) Rural Water Supply Project
    (2) Irrigation Benefit Programme
    (3) Rural Electrification
    (4) Sarva Shiksha Abhiyan

42. Who formulates the monetary policy in India?
    (1) SEBI
    (2) RBI
    (3) Finance Ministry
    (4) Planning Commission

43. Which one of the following propounded that destiny determines everything, man is powerless?
    (1) Jainas
    (2) Buddhists
    (3) Ajivakas
    (4) Mimansakas

44. Who was the founder of 'Servants of India Society'?
    (1) Madan Mohan Malviya
    (2) Sarojini Naidu
    (3) Justice Ranade
    (4) Gopal Krishna Gokhale

45. Cotton for textile was first cultivated in :
    (1) Egypt
    (2) Mesopotamia
    (3) Central America
    (4) India

46. India's rank in vegetable production is :
    (1) First
    (2) Second
    (3) Fourth
    (4) Fifth

47. Government of India has taken a decision to set up a price stabilization fund for the growers of :
    (1) Potato and onion
    (2) Sugarcane growers
    (3) Coffee and tea
    (4) Tomato

48. We obtain turmeric from which part of the plant?
    (1) Stem
    (2) Root
    (3) Fruit

49. Who among the following has been given 'World Citizenship Award' 2006?
    (1) Kofi Annan
    (2) Jimmy Carter
    (3) Bill Clinton
    (4) Ronald Reagan

50. Who has been recently given 'Indira Gandhi Award for National Integration' 2005?
    (1) Bismillah Khan
    (2) Jyoti Basu
    (3) Javed Akhtar
    (4) Mahesh Bhatt

51. 'Threat of global warming' is increasing due to increasing concentration of:
    (1) Ozone
    (2) Nitrous oxide
    (3) Sulphur dioxide
    (4) Carbon dioxide

52. Who is known a the first Law Officer of India?
    (1) Chief Justice of India
    (2) Law Minister of India
    (3) Solicitor General of India
    (4) Law Secretary

53. In India, national income is estimated by :
    (1) Planning Commission
    (2) Central Statistical Organization
    (3) Indian Statistical Institute
    (4) National Sample Survey

54. The National Chemical Laboratory is situated in:
    (1) New Delhi
    (2) Bangalore
    (3) Pune
    (4) Chennai

55. The most commonly used metal in the pure form or as an alloy in domestic appliances is:
    (1) aluminum
    (2) iron
    (3) copper
    (4) zinc

56. A person weighs more in a life, which is:
    (1) moving up with a constant velocity.
    (2) moving down with a constant velocity.
    (3) accelerating upward.

(4) accelerating downward

57. What of the following figures has the longest perimeter?
(1) a square of side 10 cms
(2) a rectangle of sides 12 cms and 9 cms
(3) a circle of radius 7 cms
(4) a rhombus of side 9 cms

58. The most abundant source of iron is:
(1) milk
(2) green vegetables
(3) eggs
(4) beans

59. Chlorophull is normally found in:
(1) Green leaves
(2) Tree bark
(3) Kidney
(4) Blood

60. The first woman IPS officer:
(1) Kanchan Bhattacharya
(2) Priti Jain
(3) Suman Bhardwaj
(4) Kiran Bedi

61. A terabyte comprises
(1) 1024 gigabyte
(2) 1024 kilobyte
(3) 1024 megabyte
(4) 1024 byte

62. The access time refers to
(1) Time required to locate and retrieve stored data
(2) Time required to locate the lost data
(3) Time required to delete specific data on a certain memory location
(4) None of the above

63. Select the smallest memory size.
(1) Terabyte
(2) Gigabyte
(3) Kilobyte
(4) Megabyte

64. The type of RAM that works by staying on the row containing the requested bit and moves faster through the columns reading each bit as it goes is
(1) DDR SDRAM
(2) SDRAM
(3) FPM DRAM
(4) RDRAM

65. The ROM chip which can be rewritten several times and requires the action of ultraviolet radiations to erase its contents is
(1) Flash memory
(2) PROM
(3) EEPROM
(4) EPROM

66. The type of memory that uses in-circuit wiring to erase the content by applying electric field is
(1) PROM
(2) Flash memory
(3) EAROM
(4) EEPROM

67. Dynamic memory is also called as
(1) Internal processor memory
(2) Primary memory
(3) External storage memory
(4) Non-volatile memory

68. The memory which is utmost accessible to the processor is
(1) Cache memory
(2) RAM
(3) Hard disk
(4) Flash memory

69. The storage device that has high cost per bit of storage is
(1) SDRAM
(2) Cache memory
(3) Read only Memory
(4) Hard disk

70. The dual-port version of DRAM formerly used in graphics adaptors is
(1) FPM DRAM
(2) EDO DRAM
(3) VRAM
(4) DDR SDRAM

71. The secondary storage device that follows the sequential mode of access is
(1) Optical Disk
(2) Magnetic Disk
(3) Magnetic Tape
(4) None of these

72. FPI stands for
(1) Faults per inch

(2) Frames per inch
(3) Figure per inch
(4) Film per inch

73. The most common type of floppy size is
(1) 3½-inch
(2) 5¼-inch
(3) 4¾-inch
(4) None of these

74. A spiral shape track formatting is present in
(1) Floppy Disk
(2) Optical Disk
(3) Hard Disk
(4) Half-inch Tape

75. A floppy can be write protected by
(1) Breaking the slider
(2) Positioning the slider to cover the hole
(3) Positioning the slider away from the hole
(4) A floppy cannot be write Protected

76. Rotational delay time is also known as
(1) Seek time
(2) Shift time
(3) Latency
(4) Access time

77. The average drives have an access time of
(1) 14-29 ms
(2) 9-14 ms
(3) 60-70 ms
(4) None of these

78. In which kind of disk does the read/write head physically touches the surface?
(1) Hard Disk
(2) Compact Disk
(3) Floppy Disk
(4) None of these

79. RAID stands for
(1) Reproduce Array of Intelligent Disks
(2) Reproduce Array of Inexpensive Disks
(3) Redundant Array of Inexpensive Drives
(4) Redundant Array

80. CD-ROM is a kind of
(1) Optical disk
(2) Magneto-Optical disk
(3) Magnetic disk
(4) None of these

81. The set of all integers x such that /x-3/ <2 is equal to
(1){1,2,3,4,5}
(2){1,2,3,4}
(3){2,3,4}
(4){-4,-3,-2}

82. The roots of the quadratic equation ax^2+bx+c 0 will be reciprocal to each other if

(1) a=1/c (2) a=c

(3) b=ac (4) a=b

83. A man from the top of a 100 metre height tower sees a car moving towards the tower at an angle of depression of 30^o.After sometimes the angle of depression becomes 60^0.The distance (in metres)traveled by the car during this time is

(1)100 √3
(2) $\frac{200\sqrt{3}}{3}$
(3) $\frac{100\sqrt{3}}{3}$

(4)200√3

84. The distance between the lines 4x+3y=11 and 8x+6y=15 is

a)7/2 b)7/3

c)7/5 d)7/10

85. If $\begin{vmatrix} a & b & 0 \\ 0 & a & b \\ b & 0 & a \end{vmatrix}$

(1) a is a cube root of 1
(2) b is a cube root of 1
(3) a/b is a cube root of 1
(4) a/b is a cube roots of -1

86. The eccentricity of the eclipse $16x^2 + 7y^2 = 112$ is

(1) 4/3 (2) 7/16
(3) 3/ √17 (4) 3/4

87. If the sum of 3 numbers in A.P is 12 and the sum of their cubes is 288,then the numbers are
(1) 2,4,6 (2) 1,4,7
(3) 1,3,5 (4) none of these

88. The solution of the differential equation 2x dx +dy - y =3 represents

(a) circles (b) straight lines
(c) ellipse (d) parabola

89. If set A = {5, 15, 20, 30} and B = {3, 5, 15, 18, 20} then A□B is
(1) {3, 5, 15, 18, 20, 30}
(2) {3, 18, 30}
(3) {2, 5, 15, 18, 20}
(4) {5, 15, 20}

90. Convert 103 of base to a number of base 3 is
(a) 12011 (b) 10211
(c) 10221 (d) 10031

91. Given A = {1, 2, 3}, B = {3, 4}, C = {4, 5, 6}, then (A × B) ∩ (B × C) is
(1) A null set of ordered pairs
(2) {(4, 3)}
(3) {(3, 4)}
(4) {(4, 3),(3,4)}

92. The sum of the first four terms of an A.P. is 56. The sum of the last four terms is 112. If its first term is 11, the number of terms is:
(1) 10 (2) 11
(3) 12 (4) None of these

93. 72. The sum of 20 arithmetic means between 7 and 43 is:
(1) 360 (2) 400
(3) 500 (4) 440

94. Two dice are thrown, the probability that the sum of the points on the dice is 7, is
(1) 5/36 (2) 6/36
(3) 7/36 (4) 8/36

95. If the mean of numbers 27, 31, 89, 107, 156 is 82, then the mean of 130, 126, 68, 50, 1 is
(1) 80 (2) 82
(3) 157 (4) 75

96. If $\begin{pmatrix} x & x+y & x+y+z \\ 2x & 3x+2y & 4x+3y+2z \\ 3x & 6x+3y & 10x+6y+3z \end{pmatrix} = 64$
then the value of *x* is equal to
(1) 6 (2) 4
(3) 3 (4) 2

97. The probability that a leap year, selected at random, will contain 53 Sundays is
(1) 1/7 (2) 2/7 (3) 3/7 (4) 4/7

98. Distance between two points whose position vectors are $3\hat{i} + \hat{j} - 2\hat{k}$ and $\hat{i} - 3\hat{j} + 5\hat{k}$ is
(1) 69 units (2) √69 units
(3) 13 units (4) 29 units

99. There are 600 students in a school, If 400 of them can speak Telugu, 300 can speak Hindi, then the number of students who can speak both Telugu and Hindi are

(1) 100 (2) 200 (3) 300 (4) 400

100. The number of words that can be formed from the letters of the word INDRAPRASTHA when the vowels are never separated is

(1) 727560 (2) 725760
(3) 752760 (4) 757260