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Aptitude ASO   English

00:14:17   ✓ FINISH

Question 10   Max Marks: 1.00

A man was assigned to find the average age of a class of 13 students. By mistake, he included the 35 yr old teacher as well and hence the average went up by 2 yr. Find the actual average age of the class.

○ (a) 8 yr

○ (c) 15 yr

○ (b) 7 yr

○ (d) 11 yr

✕ Clear Response   Next ▸
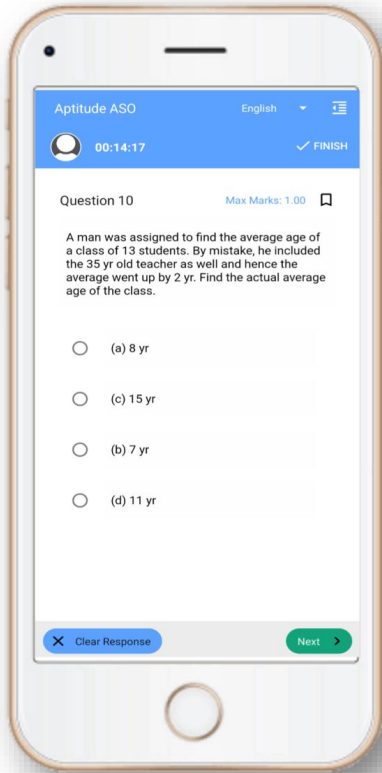
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Section 1 - Mathematics

No. of Questions: 50

1) Simplify:

0.5 x 0.5 x 0.5 - (0.3 x 0.3 x 0.3 / 0.5) x 0.5 + 0.5 x 0.3 + 0.3 x 0.3

A) 0.288
B) 0.358
C) 0.338
D) 0.255

2) A boy was asked to multiply a number by 7/8. Instead he divided the number by 7/8 and got the result 15/14 more than what he should have got if he had multiplied the number by 7/8. The number is:

A) 4
B) 7
C) 8
D) 9

3) How many non-zero digits will there be to the right of the decimal point in the product of 95.75 and 0.2554?

A) 5

B) 6

C) 7

D) 4

4) The numerator of a fraction is increased by 7.69% and the denominator is decreased by 7.69%. By what % the original fraction changed?

A) 0.59% decrease

B) 16.66% increase

C) 7.6% increase

D) No change

5) A tin of oil was 4/5 full. When 6 bottles of oil were taken out and four bottles of oil were poured into it, it was 3/4 full. How many bottles of oil can the tin contain?

A) 10

B) 20

C) 30

D) 40

6) 20 kg of coffee having a rate of ₹ 80 per kg is mixed with 12 kg of coffee having a rate of ₹ 60 per kg. What is the average rate of the mixture?

A) ₹ 79.1
B) ₹ 81.2
C) ₹ 72.5
D) ₹ 83.5

7) In 2 gallons mixture of spirit and water, the percentage of water is 12%. In another 3 gallons mixture of spirit and water, the percentage of water is 5%. These two mixtures are poured into a pot and 1/2 gallon of water is added to it. What is the percentage of water in this new mixture?

A) 17 $^1/_{11}$%
B) 17 $^3/_{11}$%
C) 16 $^2/_{11}$%
D) 6 $^{13}/_{27}$%

8) Two bottles contain 6 and 10 liters of mixtures of alcohol and water. The smaller bottle contains 75% of water and the other contains 75% of alcohol. The contents of these two bottles are emptied into a 18-liter bottle which is then filled up with water. What is the percentage of water in the third bottle?

A) 60%
B) 40%
C) 50%
D) None of the options

9) A, B and C are 3 vessels having mixtures of wine and water. A contains 30% wine, B contains 40% wine and C contains 45% wine. If 4 litres from A, 3 litres from B and 5 litres from C are mixed, find the concentration of wine in the final mixture?

A) $35 \frac{5}{12}$%

B) $38 \frac{3}{4}$%

C) $39 \frac{7}{12}$%

D) 40%

10) A mixture contains petrol and water in the ratio 9:5. If 84 litres of water is added to the mixture, the quantity of petrol and water in the mixtures becomes equal. What is the quantity of petrol?

A) 84 litres

B) 100 litres

C) 140 litres

D) 189 litres

11) A, B and C enter into a partnership. 'A' contributed ₹ 320 for 4 months, 'B' contributed ₹ 510 for 3 months, and 'C' contributed ₹ 270 for 5 months. If the total profit is ₹ 208, then what is the profit share of A?

A) ₹ 64

B) ₹ 76.5

C) ₹ 67.5

D) ₹ 75

12) A, B and C enter into a partnership. A invests a sum of money at the beginning of the year and B invests double the amount after 6 months and C invests thrice the amount after 8 months. At the end of the year, they earn a profit of ₹ 12,000. What is the B's share of profit?

A) ₹ 3,000

B) ₹ 3,800

C) ₹ 4,500

D) ₹ 4,000

13) Hari and Ram enter into a partnership with capital of ₹ 15,000 and ₹ 12,000 respectively. If Hari had put his capital for 4 months and he received ₹ 5,000 from the total profit of ₹ 8,000, then for how many months had Ram put his capital?

A) 6 Month

B) 3 Month

C) 9 Month

D) 12 Month

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14) In a partnership, A invests 1/6 of the capital for 1/6 of the time, B invests 1/3 of the capital for 1/3 of the time and C invests the rest of the capital for whole time. What is A's share in the total profit of ₹ 2,300?

A) ₹ 100
B) ₹ 110
C) ₹ 120
D) ₹ 130

15) Mary and Mike enter into a partnership by investing ₹ 700 and ₹ 300 respectively. At the end of one year, they divided their profits such that a third of the profit is divided equally for the efforts they have put into the business and the remaining amount of profit is divided in the ratio of the investments they made in the business. If Mary received ₹ 800 more than Mike did, what was the profit made by their business in that year?

A) ₹ 4,000
B) ₹ 3,000
C) ₹ 4,500
D) ₹ 2,300

16) B runs 20% faster than A. If A covers a distance of 100 metres in 10 secs, how much time will B take to cover 360 metres?

A) 33 secs
B) 35 secs
C) 30 secs
D) 40 secs

17) The average speed of the bus is 80 kmph and it reaches its destination on time. If the bus goes with the average speed of 40 kmph, it is late by 21 minutes. The total distance travelled by the bus till destination is

A) 7 km
B) 8 km
C) 28 km
D) 70 km

18) Trains P, Q and R are moving in same direction at speeds of 36 km/hr, 72 km/hr and 144 km/hr, respectively, on three parallel tracks. At this instance, rear of train P is 2.1 km ahead of front of train Q, and train R is just about to start to overtake train Q. All the trains have a length of 300 metres. In how much time will train R completely overtake train P?

A) 1 minute
B) 1 minute and 10 seconds
C) 1 minute and 20 seconds
D) 1 minute and 40 seconds

19) A man driving his bike at 36 kmph reaches his office 20 minutes early. Had he driven the bike at 24 kmph he would have reached 40 minutes late. How far is his office?

A) 48 Kms
B) 60 Kms
C) 72 Kms
D) 80 Kms

20) A person covers a certain distance walking at the speed of 10 kmph. If he had walked at the speed of 15 kmph, then he could have covered 15 km more. What is the distance covered by the person?

A) 25 km
B) 30 km
C) 35 km
D) 40 km

21) A is twice as fast as B in doing a job that can be completed in 24 days by A and B together. In how many days can A alone complete the job?

A) 24 days
B) 36 days
C) 72 days
D) 96 days

22) A and B alone can complete a piece of work in 15 days and 20 days respectively. If they work on alternate days starting with A working on day 1, how many days will they need to complete the work?

A) 9 Days
B) 15 Days
C) 17 Days
D) 20 Days

23) Shiv, Shakti and Uma started a work together. Shiv, Shakti and Uma can finish this work alone in 12 days, 15 days and 10 days, respectively. After 2 days, Shiv left the work. Then, after 2 more days, Shakti left the work. How many more days will Uma take to finish the remaining work?

A) 1 day
B) 4/3 days
C) 5/3 days
D) 3 days

24) A can do a piece of work in 15 days and B can do alone the same work in 18 days. They begin together but after 2 days, A quits. Now, how much time is required byt B to complete the work?

A) 68/5 days
B) 73/5 days
C) 78/5 days
D) 83/5 days

25) A and B can do a piece of work in 15 days, which B and C can do together in 20 days. After A has been working on it for 6 days and B for 8 days, C finishes it in 18 days. In how many days will C alone do the work?

A) 28 days
B) 34 days
C) 32 days
D) 30 days

26) A girl sold a plate worth ₹ 170 for ₹ 136. What is her loss percentage?

A) 10%
B) 20%
C) 30%
D) 40%

27) If 15 pens are sold at the marked price of 12 pens, then what is the percentage of discount offered?

A) 10%
B) 20%
C) 24%
D) 33.33%

28) What is the profit if the cost price is ₹ 550 and profit percentage is 10%?

A) ₹ 5.5
B) ₹ 2.75
C) ₹ 55
D) ₹ 27.5

29) A vegetable vendor buys 4 lemons for ₹ 10/- and sells 6 lemons for ₹ 18/-. What is his gain percentage?

A) 15%
B) 20%

C) 18%
D) 22%

30) A girl bought cell phone for ₹ 4,444 and spent ₹ 556 on repairs. At what price should she sell it to earn a profit of 40%?

A) ₹ 5,000
B) ₹ 5,500
C) ₹ 7,000
D) ₹ 8,000

31) The gross income of a person is ₹ 25,000. If 20% of his income is exempted from income tax and the rate of income tax is 5%, then what is his net income after income tax?

A) ₹ 23,500
B) ₹ 24,000
C) ₹ 24,500
D) ₹ 25,000

32) The following table shows income tax rates in a certain year.

Income Range	Tax Rate
1-50,000	No Tax
50,001-1,00,000	10% of income above ₹ 50,000
1,00,001-2,00,000	5,000 + 20% of income above ₹ 1,00,000
> 2,00,000	25,000 + 30% of income above ₹ 2,00,000

If Ramesh paid ₹ 11,000 as tax, then what was his income?

A) ₹ 1,80,000
B) ₹ 1,50,000
C) ₹ 2,25,000
D) ₹ 1,30,000

33) The tax rate on properties was reduced by 20% in the latest Union Budget. Tom's property appreciated by 20% during this period. What is the effect on the tax that Tom will have to pay?

A) Increased by 16%
B) Decreased by 16%
C) Decreased by 4%
D) No change

34) A man's net income is ₹ 9,400 when the income tax is 6 paise per rupee. If the tax is reduced by 2 paise per rupee, what would be the increase in his income?

A) ₹ 200
B) ₹ 160
C) ₹ 150
D) ₹ 400

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35) Gauri went to the stationers and bought things worth ₹ 25, out of which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the cost of the tax free items?

A) ₹ 15
B) ₹ 15.70
C) ₹ 18
D) ₹ 19.70

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36) If a : b = 5 : 7, then the ratio   (5a + 7b) : (3a + 4b)   is

A) 43 : 74
B) 76 : 43
C) 74 : 43
D) 43 : 76

---

37) The ratio of Tigers to Lions in a zoo is 4 : 5 and the ratio of Lions to Elephants is 6 : 7. What is the ratio of Tigers, Lions and Elephants in that zoo?

A) 20 : 25 : 30
B) 24 : 30 : 35
C) 30 : 35 : 35
D) 40 : 50 : 60

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38) A bag contains ₹ 1 and ₹ 2 coins in the ratio 11:13 which amounts to ₹ 148. The number of ₹ 2 coins is

A) 43
B) 47
C) 52
D) 57

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39) Three numbers A, B and C are such that "B" is 30% more than "A" and "C" is 20% more than "B". What is the ratio of the numbers "A" and "C"?

A) 2 : 3
B) 16 : 25
C) 25 : 39

D) 13 : 19

40) The marks scored by a student in four subjects are in the ratio of 4 : 3 : 7 : 6. The candidate scored an overall aggregate of 60% of the sum of the maximum marks and the maximum marks in all four subjects are same. In how many subjects did he score more than 60% marks?

A) 4
B) 3
C) 1
D) 2

41) The difference between compound interest and simple interest earned in two years for a certain amount of money at a rate of interest of 12% is ₹ 576. What is the principal amount?

A) ₹ 30,000
B) ₹ 40,000
C) ₹ 50,000
D) ₹ 60,000

42) What is the compound interest on ₹ 4,000 under a rate of interest of 20% for 2 years, when compounding is done half yearly?

A) ₹ 1856
B) ₹ 2010
C) ₹ 2352
D) ₹ 2678

43) Raman invested ₹ 9000 in fixed deposit under compound interest at a rate of interest of 8%, compounding annually for 3 years. What is the total amount that he gets at the end of 3 years?

A) ₹ 11,200
B) ₹ 11,337
C) ₹ 11,560
D) ₹ 11,800

44) ₹ 1000 is divided in to two parts. 1st part is invested under simple interest for 2 years and the 2nd part is invested under compound interest for two years. If the total interest earned is ₹ 206 and rate of interest is 10%, then what is the first part?

A) ₹ 400
B) ₹ 600
C) ₹ 700
D) ₹ 800

45) A sum of money becomes 5 times itself in 13 years under compound interest, compounded annually. How long will it take for the same money to become 125 times itself under same rate of compound interest, compounded annually?

A) 25 years
B) 39 years
C) 52 years
D) 325 years

46) What is the value of x, if the arithmetic mean of 4, 5, 6, 7, 8 and x is 8?

A) 18
B) 16
C) 17
D) 15

47) If the mean of 16 observations is 25, and 4 be added to each observation then the new mean is

A) 26
B) 29
C) 30
D) 36

48) If the median of the given observations is 15, then for what value of 'x', the mean of the given observations will be maximum?

Observations: 5, 9, 15, 23, 28, 40, 'x' ?

A) 14
B) 15
C) 16
D) 17

49) The middle point of the class interval 70-79 is

A) 75
B) 74
C) 75.5
D) 74.5

50) For the following frequency distribution, if the mean is 7, then the missing frequency is

x: 4 6 7 8 9

f: 4 6 10 ? 8

A) 1.5
B) 3
C) 0
D) 2

<u>Section 2 - Basic Computer Skills</u>

No. of Questions: 50

51)
Which of the following keys is chosen by database designer to identify entities in an entity set?

A) Index key
B) Primary key
C) Foreign key
D) Local key

52) Which of the following tab is used to add a ClipArt to your document in MS Word?

A) Insert
B) Add
C) Select
D) Update

53) Which option is used to save an existing PowerPoint document with a new name?

A) File --> New
B) File --> Save As
C) File --> Save
D) File --> Rename

54) Which of the following shortcut key is used to end a PowerPoint presentation?

A) Enter
B) Esc
C) Space
D) Navigation Key

55) What is the shortcut key in MS Word to align text with Justify alignment?

A) Ctrl + I
B) Ctrl + J
C) Ctrl + K
D) Ctrl + U

56) Pages in MS PowerPoint are called as:

A) Canvas
B) Frames
C) Slides
D) Panes

57) If you are in cell A2 in Excel, what happens when you press the enter key?

A) You move to cell B2
B) You move to cell A3
C) You move to cell A1
D) The cell A2 gets selected for typing

58) What is default view you'll find while opening a document in MS Word?

A) Print layout

B) Web layout

C) Outline view

D) Draft view

59) Which of the following can be defined as the typeface or design of a set of characters available in MS Office for text and typically incorporates this design into each letter, number and symbol found on a keyboard?

A) List
B) Theme
C) ClipArt
D) Font

60) In MS Word 2013, Header & Footer options are placed in which of the following menu tabs :

A) Insert Menu
B) View Menu
C) Format Menu
D) Page Layout Menu

61) During a slideshow pressing the Space bar key will result into?

A) Displays next slide
B) Displays Previous slide
C) End of slide show
D) Closes PowerPoint Show

62) Which one of these does NOT belong to MS Office?

A) Powerpoint
B) Excel
C) Word
D) Paint

63) In Excel, which of the following is not a valid alignment option for a cell?

A) Middle
B) Center
C) Justify
D) Top

64) Which of the following option helps us to find the synonyms and antonyms in MS word?

A) Auto correct
B) Find and replace
C) Spell checker
D) Thesaurus

65) Which of the following shortcut keys is used to select the entire column in MS Excel?

A) Ctrl + Spacebar
B) Ctrl + Home
C) Ctrl + End
D) Ctrl + Tab

66) In Excel, most of the repetitive tasks can be automated by using

A) Formula
B) Function
C) Macros
D) Pivots

67) What is the file extension of MS Access?

A) .xlsx
B) .accdb
C) .docx
D) .pptx

68) Identify the type of cell reference for address A3 :

A) Absolute Reference
B) Relative Reference
C) Mixed Reference
D) Dynamic Reference

69) From which of the following menu we can add a comment in MS Word?

A) Mailings
B) Insert
C) Page Layout
D) Review

70) In print preview, which one of the below actions cannot be performed?

A) Changing Margins
B) Change orientation of page
C) Zoom in and zoom out
D) Edit the document

71) What is the name of the cell where we can enter text and formulae?

A) Formula bar
B) Function bar
C) Address bar
D) Text bar

72) What does ∑ symbolise in MS Excel?

A) autoformula
B) autofill
C) autosum
D) autofunction

73) In MS Word, pressing the left mouse button for three times within the text area of a paragraph will select :

A) A single word
B) A single sentence
C) A single paragraph
D) Entire content of the document

74) In MS Excel, in which of the following function library groups, 'Aggregate' function is found ?

A) Statistical
B) AutoSum
C) Lookup & Reference
D) Math & Trig

75) In MS Excel, which of the following number formats should be used for exponential data?

A) Fraction
B) Special
C) Scientific
D) Custom

76) Which type of keys in the keyboard found on the top row, provides different services depending on the application they are used?

A) Function keys
B) Special keys
C) Navigation keys
D) Program keys

77) Which is the input device used when some information is available on a paper and it is to be transferred to the hard disk of the computer for further manipulation?

A) Track Ball
B) Scanner
C) Joystick
D) Digitizer

78) Which is the main component of Desktop computers to which other components, such as the monitor, mouse, and keyboard, connect to?

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A) Control unit
B) Memory unit
C) System unit
D) Arithmetic and logic unit

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79) Which storage preserves the information even when your computer is turned off?

A) RAM
B) Registers
C) Cache
D) SSD

---

80) Which of the following is TRUE about screen resolution of computer?

A) The images will be clearer when the reslution is low
B) The text will be clearer when the resolution is low
C) Things may appear smaller with higher resoultion
D) Things may appear larger when the reslution is high

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81) Which is a device that sends and receives computer information over a telephone line or high-speed cable?

A) BUS
B) Hard disk
C) SMPS
D) Modem

---

82) Which of the following layout option windows explorer can help you to see the contents of a file without opening it?

A) Details pane
B) Library pane
C) Navigaiton pane
D) Preview pane

---

83) Which shortcut key can be used to undo the copy operation on a file in Windows OS?

A) CTRL + Z
B) CTRL + Y
C) CTRL + ALT + Y
D) ALT + CTRL + Z

---

84) Which of the following is a system software?

A) Linux
B) Word
C) Excel
D) Tally

85) Which is the most important piece of hardware inside computer which is a tiny rectangular chip?

A) RAM
B) NIC card
C) Microprocessor
D) Extension cards

86) Which type of computer can also convert user handwriting into typed text?

A) Table tops
B) Tablet PCs
C) Calculator
D) Towertops

87) Which component of a computer system unit, temporarily stores information that the CPU uses while the computer is on?

A) ROM
B) BIOS
C) RAM
D) CMOS

88) What is the shortcut key to open the Run window in Microsoft windows?

A) Start + R
B) Alt + R
C) Windows Key + R
D) Ctrl + R

89) What is System Restore?

A)   Warranty provided by the Dealer for a period of time
B)   Warranty provided by Microsoft Windows to restore your system to the original factory condition in case of any issues

C)   Option in Microsoft Windows to restore your computer to an earlier point of time

D)   An antivirus software to protect your computer

90) What is the expansion for EULA?

A) End User Life Agreement
B) End User License Agregate
C) End Useful Life Agreement
D) End User License Agreement

91) Which of the following command is used to check and repair disk problems?

A) CHECK
B) CHKDSK
C) CRDISK
D) CSVDE

92) Which of the following is a primary storage device?

A) Hard disc
B) Floppy Disk
C) Random Access Memory
D) DVD

93) Display resolution of the system is measured in

A) Decibels
B) RPM
C) Pixels
D) Ohms

94) Which of the following is example of Operating System?

A) MS Office
B) Linux
C) Opera
D) Safari

95) The Process of loading Operating system to primary memory is known as

A) Booting

B) Defragmentation
C) Restoring
D) Backup

96) What is the correct size of a kilobyte?

A) 1024 megabytes
B) 1000 megabytes
C) 1024 bytes
D) 1000 bytes

97) Which shortcut below allows to cycle through all open windows and the desktop?

A) Alt+tab
B) Alt+up arrow
C) Alt+down arrow
D) Alt+enter

98) Which of the following is/are the ways to open a file?

a. Find the file on computer, and double-click it.
b. Right click on the file, select the Open option from the menu.

A) both a & b
B) only a
C) only b
D) neither a nor b

99) Which menu in Windows is the main gateway to the computer's programs, folders, and settings?

A) Search menu
B) File menu
C) Start menu
D) View menu

100) In Windows operating system, which of the following options is/are the use of sticky keys?

i) Allows user to enter key combinations by pressing keys in sequence rather than simultaneously

ii) It is a temporary workspace with all the shortcut keys available in one place

A) Only i

B) Only ii
C) Both i and ii
D) Neither i nor ii

	Question Paper No:	78129_6
	Answer Key	

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

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