

## Multi Tasking Non Technical Staff Examination 2020

Participant ID	Join Telegram Link in App
Participant Name	Join Telegram Link in App
Test Center Name	Arya Institute of Engineering and Technology
Test Date	18/10/2021
Test Time :	12:30 PM - 2:00 PM
Subject	MTS Non Technical 2020

### Section : General English

**Q.1** Select the most appropriate meaning of the given idiom.

**Tighten one's belt**

- Ans ☒ 1. To make efforts to be slim  
☒ 2. To cut one's expenditure  
☒ 3. To stop working full time  
☒ 4. To lose one's job

Question ID : 65497817136  
Chosen Option : 2

**Q.2** Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

**The policeman wanted punish the boy severely.**

- Ans ☒ 1. No error  
☒ 2. wanted punish  
☒ 3. The policeman  
☒ 4. the boy severely

Question ID : 65497817118  
Chosen Option : 2

**Q.3** Select the most appropriate option to substitute the underlined segment in the given sentence.

**If my uncle were here now, he knows what to do.**

- Ans ☒ 1. would know  
☒ 2. would have known  
☒ 3. will know  
☒ 4. will be knowing

Question ID : 65497817836  
Chosen Option : 1

**Q.4** Select the most appropriate word for the given group of words.

A mass of wax cells built by honey bees to store honey

- Ans
- ☒ 1. Apiary
  - ☒ 2. Aviary
  - ☒ 3. Honeycomb
  - ☒ 4. Beehive

Question ID : 65497817138  
Chosen Option : 4

**Q.5** Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

As she wants to lose weight, she was started running.

- Ans
- ☒ 1. is started
  - ☒ 2. were starting
  - ☒ 3. has started
  - ☒ 4. No substitution required

Question ID : 65497817128  
Chosen Option : 1

**Q.6** Select the most appropriate ANTONYM of the given word.

THRIVE

- Ans
- ☒ 1. Develop
  - ☒ 2. Shine
  - ☒ 3. Shrink
  - ☒ 4. Prosper

Question ID : 65497817132  
Chosen Option : 1

**Q.7** Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

During the summer months, there is shortage of power in much parts of the country.

- Ans
- ☒ 1. in much parts
  - ☒ 2. No error
  - ☒ 3. there is shortage
  - ☒ 4. During the summer

Question ID : 65497817119  
Chosen Option : 1

**Q.8** Select the most appropriate option to fill in the blank.

The best way to learn a language is to spend some time in the \_\_\_\_\_ country where it is spoken.

Ans ☒ 1. particular

☐ 2. peculiar

☐ 3. special

☐ 4. definite

Question ID : 65497817142

Chosen Option : 1

**Q.9** Select the INCORRECTLY spelt word.

Ans ☐ 1. Ecology

☐ 2. Echo

☒ 3. Eclipse

☐ 4. Economic

Question ID : 65497817139

Chosen Option : 3

**Q.10** Select the most appropriate option to fill in the blank.

Only those children \_\_\_\_\_ are below fifteen can take part in this competition.

Ans ☒ 1. who

☐ 2. which

☐ 3. that

☐ 4. whom

Question ID : 65497817120

Chosen Option : 1

**Q.11** Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

This monument is the older building in this area.

Ans ☐ 1. in this area

☐ 2. This monument

☒ 3. is the older building

☐ 4. No error

Question ID : 65497817117

Chosen Option : 3

**Q.12** Select the most appropriate option to fill in the blank.

\_\_\_\_\_ the boys were afraid at heart, they decided to stay on in the jungle.

- Ans ☒ 1. Although  
☐ 2. Because  
☐ 3. In case  
☐ 4. So that

Question ID : 65497817121  
Chosen Option : 1

**Q.13** Select the most appropriate synonym of the given word.

**DECREASE**

- Ans ☐ 1. Increase  
☐ 2. Ascend  
☐ 3. Grow  
☒ 4. Decline

Question ID : 65497817133  
Chosen Option : 4

**Q.14** Select the most appropriate word for the given group of words.

To keep away from

- Ans ☐ 1. Devote  
☐ 2. Confront  
☐ 3. Fight  
☒ 4. Avoid

Question ID : 65497817137  
Chosen Option : 4

**Q.15** Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Life's many events give shape to a person's individuality.

- Ans ☒ 1. No substitution required  
☐ 2. are given shapes  
☐ 3. had shaped with  
☐ 4. give shaping to

Question ID : 65497815615  
Chosen Option : 2

**Q.16 Select the most appropriate ANTONYM of the given word.**

**SUCCEED**

- Ans ☒ 1. Lose  
☒ 2. Win  
☒ 3. Achieve  
☒ 4. Gain

Question ID : **65497817131**  
Chosen Option : 1

**Q.17 Select the INCORRECTLY spelt word.**

- Ans ☒ 1. Matriachy  
☒ 2. Mattress  
☒ 3. Material  
☒ 4. Matrix

Question ID : **65497817140**  
Chosen Option : 2

**Q.18 Select the most appropriate meaning of the given idiom.**

**Be Off**

- Ans ☒ 1. To switch off the light  
☒ 2. To not eat anything  
☒ 3. To be in a bad mood  
☒ 4. To go away

Question ID : **65497817135**  
Chosen Option : 4

**Q.19 Select the most appropriate option to fill in the blank.**

If you want good seats, I \_\_\_\_\_ you buy the tickets in advance.

- Ans ☒ 1. imply  
☒ 2. intend  
☒ 3. claim  
☒ 4. suggest

Question ID : **65497817141**  
Chosen Option : 4

**Q.20 Select the most appropriate synonym of the given word.**

**AMIABLE**

- Ans
- ☒ 1. aloof
  - ☒ 2. Bitter
  - ☒ 3. Friendly
  - ☒ 4. Rude

Question ID : **65497817134**  
Chosen Option : **4**

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Eighty merchants of London came together in the year 1600 (1)\_\_\_\_\_ the East India Company. They wanted to enter (2)\_\_\_\_\_ business with Indian traders in the fields of textile and spices. They (3)\_\_\_\_\_ inspired by the Portuguese and the Dutch who were (4)\_\_\_\_\_ a flourishing trade in spices and earning huge (5)\_\_\_\_\_.

**SubQuestion No : 21**

**Q.21 Select the most appropriate option to fill in blank no. 1.**

- Ans
- ☒ 1. to form
  - ☒ 2. formed
  - ☒ 3. form
  - ☒ 4. to forming

Question ID : **65497817123**  
Chosen Option : **1**

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Eighty merchants of London came together in the year 1600 (1)\_\_\_\_\_ the East India Company. They wanted to enter (2)\_\_\_\_\_ business with Indian traders in the fields of textile and spices. They (3)\_\_\_\_\_ inspired by the Portuguese and the Dutch who were (4)\_\_\_\_\_ a flourishing trade in spices and earning huge (5)\_\_\_\_\_.

**SubQuestion No : 22**

**Q.22 Select the most appropriate option to fill in blank no. 2.**

- Ans
- ☒ 1. into
  - ☒ 2. inside
  - ☒ 3. at
  - ☒ 4. on

Question ID : **65497817124**  
Chosen Option : **1**

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Eighty merchants of London came together in the year 1600 (1)\_\_\_\_\_ the East India Company. They wanted to enter (2)\_\_\_\_\_ business with Indian traders in the fields of textile and spices. They (3)\_\_\_\_\_ inspired by the Portuguese and the Dutch who were (4)\_\_\_\_\_ a flourishing trade in spices and earning huge (5)\_\_\_\_\_.

**SubQuestion No : 23**

**Q.23** Select the most appropriate option to fill in blank no. 3.

- Ans ☒ 1. had  
☒ 2. are  
☒ 3. was  
☒ 4. were

Question ID : **65497817125**  
Chosen Option : 4

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Eighty merchants of London came together in the year 1600 (1)\_\_\_\_\_ the East India Company. They wanted to enter (2)\_\_\_\_\_ business with Indian traders in the fields of textile and spices. They (3)\_\_\_\_\_ inspired by the Portuguese and the Dutch who were (4)\_\_\_\_\_ a flourishing trade in spices and earning huge (5)\_\_\_\_\_.

**SubQuestion No : 24**

**Q.24** Select the most appropriate option to fill in blank no. 4.

- Ans ☒ 1. getting out  
☒ 2. carrying on  
☒ 3. pulling on  
☒ 4. setting about

Question ID : **65497817126**  
Chosen Option : 1

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Eighty merchants of London came together in the year 1600 (1)\_\_\_\_\_ the East India Company. They wanted to enter (2)\_\_\_\_\_ business with Indian traders in the fields of textile and spices. They (3)\_\_\_\_\_ inspired by the Portuguese and the Dutch who were (4)\_\_\_\_\_ a flourishing trade in spices and earning huge (5)\_\_\_\_\_.

**SubQuestion No : 25**

**Q.25** Select the most appropriate option to fill in blank no. 5.

- Ans ☒ 1. advantages  
☒ 2. benefits  
☒ 3. proceeds  
☒ 4. profits

Question ID : **65497817127**  
Chosen Option : 4

Section : **General Intelligence and Reasoning**

**Q.1** Which number will replace the question mark (?) in the following number series?

12, 24, 36, 46, 56, ?, 72

- Ans
- ☐ 1. 65
  - ☐ 2. 62
  - ☐ 3. 66
  - ☒ 4. 64

Question ID : 65497814218  
Chosen Option : --

**Q.2** Select the option in which the numbers are related in the same way, as the numbers of the following set.

56 : 90 : 132

- Ans
- ☐ 1. 89 : 110 : 131
  - ☐ 2. 76 : 95 : 116
  - ☐ 3. 88 : 102 : 120
  - ☒ 4. 72 : 110 : 156

Question ID : 65497814217  
Chosen Option : --

**Q.3** If in a coding system CHARITY is coded as 107 and DAYTIME is coded as 89, then how will PENALIZE be coded in the same coding system?

- Ans
- ☐ 1. 88
  - ☐ 2. 90
  - ☐ 3. 126
  - ☒ 4. 130

Question ID : 65497814223  
Chosen Option : --

**Q.4** Which letter cluster will replace the question mark (?) in the following letter series?

WAS, YCU, AEW, ?

- Ans
- ☐ 1. GKC
  - ☒ 2. CGY
  - ☐ 3. FJB
  - ☐ 4. HLD

Question ID : 65497814227  
Chosen Option : 2

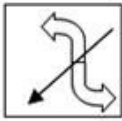


**Q.5** Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.

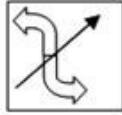


Ans

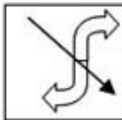
✗ 1.



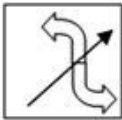
✓ 2.



✗ 3.

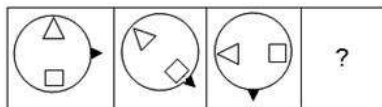


✗ 4.



Question ID : 65497814236  
Chosen Option : 2

**Q.6** Select the option figure that will replace question mark (?) in the following figure series.

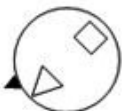


Ans

✓ 1.



✗ 2.



✗ 3.

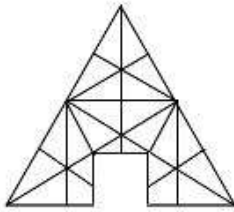


✗ 4.



Question ID : 65497814233  
Chosen Option : 1

Q.7 Identify the option figure that completes the given pattern.



Ans

✗ 1.



✗ 2.



✗ 3.



✓ 4.



Question ID : 65497814234  
Chosen Option : 4

Q.8 In a certain code language, if MULTIPLE is written as EILLMPTU, then how will RAVENING be written in the same code language?

Ans

✗ 1. AREVINGN

✗ 2. AEIGNNVR

✗ 3. EVARGNIN

✓ 4. AEGINNRV

Question ID : 65497814221  
Chosen Option : --

Q.9 Which two digits and signs can be interchanged so as to balance the given equation?

$$46 \times 6 + 32 - 12 \div 8 = - 34$$

Ans

✓ 1. 8 and 6; ÷ and ×

✗ 2. 3 and 2; × and -

✗ 3. 6 and 2; + and ×

✗ 4. 4 and 6; ÷ and +

Question ID : 65497814215  
Chosen Option : --

**Q.10** Identify the option in which the following figure is embedded (rotation is NOT applicable).



Ans

✗ 1.



✓ 2.



✗ 3.



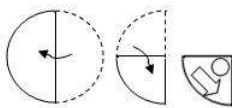
✗ 4.



Question ID : 65497814235

Chosen Option : --

**Q.11** A paper is folded and cut as shown in the following figures. How will it appear when unfolded?



Ans

✗ 1.



✗ 2.



✗ 3.



✓ 4.



Question ID : 65497814237  
Chosen Option : 4

**Q.12** Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

**Statements:**

Some books are novels.  
All novels are texts.

**Conclusions:**

I. All texts are novels.  
II. Some books are texts.

Ans

✗ 1. Both conclusions I and II follow.

✓ 2. Only conclusion II follows.

✗ 3. Neither conclusion I nor II follows.

✗ 4. Only conclusion I follows.

Question ID : 65497814229  
Chosen Option : 2

**Q.13** Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster.

**GOVERN : VRONGE :: MOCKERY : \_\_\_\_\_.**

- Ans ☒ 1. YREKCOM  
☒ 2. YROMEKC  
☒ 3. YROMKEC  
☒ 4. YRKECOM

Question ID : **65497814224**  
Chosen Option : --

**Q.14** The way 'Stitching' is related to 'Thread', in the same way 'Writing' is related to

\_\_\_\_\_.

- Ans ☒ 1. Nib  
☒ 2. Ink  
☒ 3. Pen  
☒ 4. Paper

Question ID : **65497814225**  
Chosen Option : 3

**Q.15** Five persons P, Q, R, S and T are sitting around a pentagon table facing the centre. T is immediate left to R, who is second right to P. Q is immediate left to S, who is exact left to P. Who is sitting exact right to P?

- Ans ☒ 1. Q  
☒ 2. R  
☒ 3. S  
☒ 4. T

Question ID : **65497814231**  
Chosen Option : 4

**Q.16** Which number will replace the question mark (?) in the following number series?

48, 32, 23, 19, ?

- Ans ☒ 1. 20  
☒ 2. 18  
☒ 3. 19  
☒ 4. 17

Question ID : **65497814219**  
Chosen Option : 3

**Q.17** If in a coding system DAYCARE is coded as 54 and JOURNEY is coded as 105, then how will FURTHER be coded in the same coding system?

- Ans
- ☐ 1. 98
  - ☐ 2. 99
  - ☒ 3. 93
  - ☐ 4. 96

Question ID : 65497814222  
Chosen Option : --

**Q.18** Select the correct alternative to indicate the sequential order of the following terms in a meaningful manner.

1. Heart
2. Pelvis
3. Cornea
4. Kidney
5. Pinna

- Ans
- ☒ 1. 3 - 5 - 1 - 4 - 2
  - ☐ 2. 5 - 3 - 1 - 4 - 2
  - ☐ 3. 3 - 5 - 4 - 1 - 2
  - ☐ 4. 2 - 1 - 4 - 3 - 5

Question ID : 65497814232  
Chosen Option : 1

**Q.19** In a certain code language, if SIBLING is written as YOHROTM, then how will OFFICER be written in the same code language?

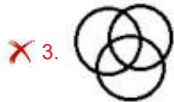
- Ans
- ☐ 1. VLLOIJX
  - ☒ 2. ULLOIKX
  - ☐ 3. CIFFORE
  - ☐ 4. UMMOIKX

Question ID : 65497814220  
Chosen Option : 2

**Q.20** Select the Venn diagram that best illustrates the relationship between the following classes.

Men, Tennis players, Women

Ans



Question ID : 65497814238

Chosen Option : 4

**Q.21** Ritik is ranked 6th from top in his class, while Akshey is 18th from bottom. If their position is interchanged, Akshey gets 15th from bottom. What is the number of students in the class?

Ans ☒ 1. 23

☒ 2. 32

☒ 3. 21

☒ 4. 20

Question ID : 65497814230

Chosen Option : 4

**Q.22** Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All computers are boxes.

All boxes are printers.

Conclusions:

I. All printers are computers.

II. All computers are printers.

Ans ☒ 1. Only conclusion I follows.

☒ 2. Neither conclusion I nor II follows.

☒ 3. Only conclusion II follows.

☒ 4. Both conclusions I and II follow.

Question ID : 65497814228

Chosen Option : 3

**Q.23** Select the option in which the number-pair shares the same relationship, as shared by the following number-pair.

96 : 81

- Ans ☒ 1. 92 : 80  
☒ 2. 84 : 75  
☒ 3. 72 : 63  
☒ 4. 104 : 96

Question ID : 65497814216  
Chosen Option : --

**Q.24** Select the option word that is related to the third word in the same way as the second word is related to the first word.

Ocean : Sea :: Happiness : \_\_\_\_\_.

- Ans ☒ 1. Hopeful  
☒ 2. Prosperity  
☒ 3. Peace  
☒ 4. Joy

Question ID : 65497814226  
Chosen Option : 4

**Q.25** If  $\div$  is interchanged with  $+$ , and  $\times$  is interchanged with  $-$ , then which of the following equations is correct?

- Ans ☒ 1.  $24 \times 84 + 12 \div 16 - 7 = 129$   
☒ 2.  $24 + 84 \div 12 - 16 \times 7 = 129$   
☒ 3.  $24 - 84 \div 12 + 16 \times 7 = 129$   
☒ 4.  $24 - 84 \div 12 \times 16 + 7 = 129$

Question ID : 65497814214  
Chosen Option : 2

Section : Numerical Aptitude

**Q.1** A certain sum of money becomes 4 times in 12 years when invested at simple interest. In how many years will it become 10 times of itself at the same rate?

- Ans ☒ 1. 60  
☒ 2. 48  
☒ 3. 24  
☒ 4. 36

Question ID : 65497818293  
Chosen Option : 4



**Q.2** The marks obtained by a student in Mathematics, Chemistry and Physics are, respectively, 195 out of 200, 133 out of 180 and 153 out of 160. His average score in per cent (correct to one decimal place) is:

- Ans
- ☒ 1. 84.6
  - ☒ 2. 86.7
  - ☒ 3. 89.1
  - ☒ 4. 96.2

Question ID : **65497818283**  
Chosen Option : **3**

**Q.3** A man borrowed money and paid back in two equal annual instalments of ₹1,089, at 10% compound interest compounded annually for 2 years. What was the sum (in ₹) borrowed?

- Ans
- ☒ 1. 2,178
  - ☒ 2. 2,090
  - ☒ 3. 1,890
  - ☒ 4. 1,800

Question ID : **65497818292**  
Chosen Option : **4**

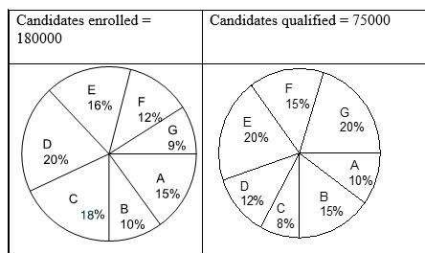
**Q.4** The selling price of a chair is  $\frac{33}{20}$  times its cost price. What is the gain or loss percentage in the transaction?

- Ans
- ☒ 1. Loss, 35%
  - ☒ 2. Loss, 65%
  - ☒ 3. Gain, 35%
  - ☒ 4. Gain, 65%

Question ID : **65497818287**  
Chosen Option : **4**

- Q.5** The given pie charts show the number of candidates who enrolled for a medical entrance examination in 2010, and those who qualified the examination in seven medical institutes of India. The total number of candidates who appeared for the entrance examination were 1,80,000, and those who qualified were 75,000.

Study the charts carefully and answer the question that follows.



*Note: The data does not represent the actual numbers. It has been created only for mathematical exercise.*

What is the ratio of the number of candidates who enrolled in institute A to the number of candidates who qualified in institute G?

- Ans** ☒ 1. 9 : 5  
☒ 2. 3 : 4  
☒ 3. 5 : 9  
☒ 4. 4 : 3

Question ID : 65497818301  
Chosen Option : 2

- Q.6** Jack takes thrice as much time as Peter and twice as much as Justin to finish a work; working together they can finish the work in 15 days. The time (in days) Justin will take to finish the work alone is:

- Ans** ☒ 1. 60  
☒ 2. 90  
☒ 3. 75  
☒ 4. 45

Question ID : 65497818279  
Chosen Option : 4

- Q.7** The numbers 8, 9, 11, 15, 17, 21 and N are arranged in ascending order. The mean of these numbers is equal to the median of the numbers. The value of N is:

- Ans** ☒ 1. 24  
☒ 2. 26  
☒ 3. 25  
☒ 4. 22

Question ID : 65497818294  
Chosen Option : 1

**Q.8** Four solid cubes, each of volume  $1728 \text{ cm}^3$ , are kept in two rows having two cubes in each row. They form a rectangular solid with square base. The total surface area (in  $\text{cm}^2$ ) of the resulting solid is:

- Ans
- ☒ 1. 1440
  - ☒ 2. 2304
  - ☒ 3. 576
  - ☒ 4. 1152

Question ID : 65497818296  
Chosen Option : --

**Q.9** Two similar cylindrical jugs have heights 5 cm and 8 cm, respectively. If the capacity of the smaller jug is  $64 \text{ cm}^3$ , what is the capacity (correct to 2 decimal places, in  $\text{cm}^3$ ) of the larger jug?

- Ans
- ☒ 1. 262.14
  - ☒ 2. 102.40
  - ☒ 3. 294.54
  - ☒ 4. 163.84

Question ID : 65497818295  
Chosen Option : 2

**Q.10** A can do a piece of work in 8 days while B alone can do it in 12 days. They work together for 4 days and the remaining work is completed by C alone in 2 days. They are paid ₹7,200 for the completion of the entire work. The earnings of A, B and C, respectively, are:

- Ans
- ☒ 1. ₹2,400, ₹2,400, ₹2,400
  - ☒ 2. ₹3,600, ₹2,400, ₹1,200
  - ☒ 3. ₹4,000, ₹2,400, ₹800
  - ☒ 4. ₹3,000, ₹3,000, ₹1,200

Question ID : 65497818280  
Chosen Option : 2

**Q.11** What is the smallest number which when divided by 72 and 96, respectively, leaves a remainder 5 in each case?

- Ans
- ☒ 1. 283
  - ☒ 2. 571
  - ☒ 3. 581
  - ☒ 4. 293

Question ID : 65497818298  
Chosen Option : 4

Q.12

What is the simplified value of  $\frac{9 \div 9 \text{ of } 9 + 9}{9 \div 9 \times 9 + 9}$ ?

Ans

☐ 1.  $\frac{1}{324}$

☐ 2. 1

☒ 3.  $\frac{41}{81}$

☐ 4.  $\frac{81}{41}$

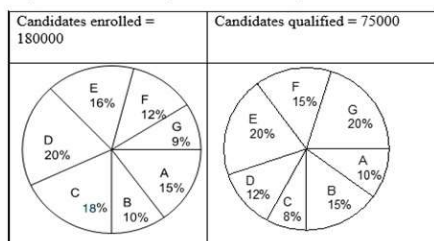
Question ID : 65497818401  
Chosen Option : 3

Q.13

The given pie charts show the number of candidates who enrolled for a medical entrance examination in 2010, and those who qualified the examination in seven medical institutes of India.

The total number of candidates who appeared for the entrance examination were 1,80,000, and those who qualified were 75,000.

Study the charts carefully and answer the question that follows.



*Note: The data does not represent the actual numbers. It has been created only for mathematical exercise.*

Which of the following institutes has the highest percentage of qualified candidates with respect to the number of candidates enrolled in that institute?

Given that the number of candidates enrolled in institutes B, E, F and G are 18,000, 28,800, 21,600 and 16,200, respectively.

Ans

☐ 1. B

☐ 2. E

☒ 3. G

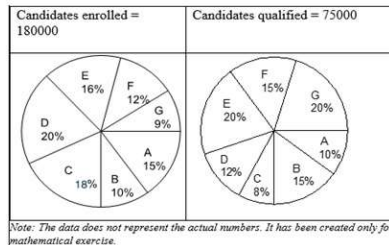
☐ 4. F

Question ID : 65497818303  
Chosen Option : --

**Q.14** The given pie charts show the number of candidates who enrolled for a medical entrance examination in 2010 and those who qualified the examination in seven medical institutes of India.

The total number of candidates who appeared for the entrance examination were 1,80,000, and those who qualified were 75,000.

Study the charts carefully and answer the question that follows.



The combined number of candidates who qualified for institutes B and E is what percentage (correct to one place of decimal) of the combined number of candidates who enrolled for institutes C and D?

- Ans** ☒ 1. 38.4%  
☒ 2. 48.6%  
☒ 3. 34.7%  
☒ 4. 69.4%

Question ID : 65497818302  
Chosen Option : --

**Q.15** A girl cycles from A to B, a distance of 25 km in 2 hours 20 minutes. The road from A is a levelled road for 15 km and then it slopes down to B. The average speed of the girl on the levelled road is 10 km/h. Her average downhill speed (in km/h) is:

- Ans** ☒ 1. 15  
☒ 2. 10  
☒ 3. 18  
☒ 4. 12

Question ID : 65497818281  
Chosen Option : --

**Q.16** P and Q are two towns. A man drives from P to Q at an average speed of 50 km/h. He stops at Q for 4 hours and then heads back to P at an average speed of 40 km/h following the same route. What is his average speed (in km/h correct to two decimal places) if he takes 22 hours for the entire trip?

- Ans** ☒ 1. 42.42  
☒ 2. 36.36  
☒ 3. 48.48  
☒ 4. 45.00

Question ID : 65497818282  
Chosen Option : 3

**Q.17** A sum of ₹3,900 is divided among P, Q and R such that R receives two-fifths of P's share and Q receives three times of R's share. What is Q's share (in ₹)?

- Ans
- ☒ 1. 1,500
  - ☒ 2. 600
  - ☒ 3. 1,800
  - ☒ 4. 1,200

Question ID : 65497818289  
Chosen Option : 3

**Q.18** In the last two weeks of a sale, prices are reduced by 40%, followed by a discount of 25%. What is the final sale price (to the nearest rupee) of a microwave oven that originally costs ₹15,485?

- Ans
- ☒ 1. 6,968
  - ☒ 2. 5,419
  - ☒ 3. 10,065
  - ☒ 4. 6,869

Question ID : 65497818285  
Chosen Option : --

**Q.19** A trader purchased 500 kg of sugar at ₹40 per kg. He sold 200 kg of it at a profit of 10% and 120 kg at a loss of 5%. At what rate per kg (in ₹, correct to 2 decimal places) should he sell the remaining sugar to gain 12% on his initial investment?

- Ans
- ☒ 1. 48.67
  - ☒ 2. 52.33
  - ☒ 3. 50.22
  - ☒ 4. 44.80

Question ID : 65497818288  
Chosen Option : --

**Q.20** A right circular cone is inscribed in a cube of side 9 cm occupying the maximum space possible. What is the ratio of the volume of the cube to the volume of the cone?

(Take  $\pi = \frac{22}{7}$ )

- Ans
- ☒ 1. 81 : 22
  - ☒ 2. 11 : 42
  - ☒ 3. 42 : 11
  - ☒ 4. 22 : 81

Question ID : 65497818297  
Chosen Option : --

**Q.21** The average age of a 10-person committee increases by 3 when three men aged 35 years, 48 years and 49 years are substituted by three women. The average age (in years) of the three women is:

- Ans ☒ 1. 54  
☐ 2. 74  
☐ 3. 44  
☐ 4. 64

Question ID : 65497818284  
Chosen Option : 3

**Q.22** The number of students in three sections of Grade 10 in a school are in the proportion 3 : 5 : 8. If 15, 30 and 15 more students are admitted in the three sections, respectively, the new proportion becomes 4 : 7 : 9. The total number of students before the new admissions is:

- Ans ☐ 1. 320  
☐ 2. 160  
☒ 3. 240  
☐ 4. 400

Question ID : 65497818290  
Chosen Option : 3

**Q.23** The price of a semi-precious stone weighing 48 g, is ₹2,30,400. It is broken into two pieces whose weights are in the ratio of 5 : 7. If the price is proportional to the square of the weight, then the loss (in ₹) incurred, is:

- Ans ☒ 1. 1,12,000  
☐ 2. 40,000  
☐ 3. 1,18,400  
☐ 4. 78,400

Question ID : 65497818291  
Chosen Option : --

**Q.24** The value of  $12 \times [(9 - 4) \div \{(8 \div 8 \text{ of } 4) + (4 \div 4 \text{ of } 2)\}]$  is:

- Ans ☐ 1.  $\frac{15}{2}$   
☒ 2. 80  
☐ 3.  $\frac{15}{4}$   
☐ 4. 20

Question ID : 65497816279  
Chosen Option : --



**Q.25** An employee gets two successive increments in his salary, as a result of which his salary becomes 2.5 times the initial salary. What was his first percentage increment, if the second percentage increment was 4 times as high as the first?

- Ans
- ☒ 1. 10%
  - ☒ 2. 25%
  - ☒ 3. 50%
  - ☒ 4. 12%

Question ID : **65497818286**  
Chosen Option : 1

Section : General Awareness

**Q.1** After full moon day, every night the size of the bright part of the moon appears to become thinner and thinner. On the fifteenth day, the moon is not visible. This day is known as:

- Ans
- ☒ 1. half-moon day
  - ☒ 2. full moon day
  - ☒ 3. new moon day
  - ☒ 4. moon day

Question ID : **65497815692**  
Chosen Option : 1

**Q.2** The Speaker of the House of the People may submit his resignation to the:

- Ans
- ☒ 1. Deputy Speaker of the House of the People
  - ☒ 2. President
  - ☒ 3. Prime Minister
  - ☒ 4. Vice-President

Question ID : **65497815691**  
Chosen Option : 1

**Q.3** With which country does India share the longest border?

- Ans
- ☒ 1. Myanmar
  - ☒ 2. Bangladesh
  - ☒ 3. Bhutan
  - ☒ 4. China

Question ID : **65497815698**  
Chosen Option : 4

**Q.4** Who among the following has won the 2020 Pulitzer Prize in the category of fiction?

- Ans
- ☒ 1. Michael R Jackson
  - ☒ 2. Colson Whitehead
  - ☒ 3. W Caleb McDaniel
  - ☒ 4. Christopher Knight

Question ID : **65497815684**  
Chosen Option : 1



**Q.5 With which dance form is the noted classical dancer Shovana Narayan associated?**

- Ans ☒ 1. Manipuri  
☒ 2. Mohiniyattam  
☒ 3. Kuchipudi  
☒ 4. Kathak

Question ID : 65497815678  
Chosen Option : --

**Q.6 The sorting, tagging, packaging, and distribution of lipids and proteins in the human body take place in the:**

- Ans ☒ 1. peroxisomes  
☒ 2. Golgi apparatus  
☒ 3. endoplasmic reticulum  
☒ 4. lysosomes

Question ID : 65497815696  
Chosen Option : --

**Q.7 Mahatma Gandhi returned to India from South Africa in:**

- Ans ☒ 1. November 1915  
☒ 2. January 1915  
☒ 3. August 1915  
☒ 4. February 1915

Question ID : 65497815700  
Chosen Option : 4

**Q.8 Who among the following founded the Asiatic Society of Bengal in 1784?**

- Ans ☒ 1. Jonathan Duncan  
☒ 2. Warren Hastings  
☒ 3. Lord Cornwallis  
☒ 4. William Jones

Question ID : 65497815702  
Chosen Option : 2

**Q.9 What is the approximate length of India's coastline, including island territories?**

- Ans ☒ 1. 5516.6 kilometres  
☒ 2. 11516.6 kilometres  
☒ 3. 9516.6 kilometres  
☒ 4. 7516.6 kilometres

Question ID : 65497815699  
Chosen Option : --

**Q.10 Friction depends on the smoothness of the surfaces. The force of friction always \_\_\_\_\_ the applied forces.**

- Ans
- ☒ 1. reflects
  - ☒ 2. conducts
  - ☒ 3. opposes
  - ☒ 4. adds up to

Question ID : **65497815693**  
Chosen Option : 3

**Q.11 Which of the following rivers flows into the Arabian Sea?**

- Ans
- ☒ 1. Tapi
  - ☒ 2. Ganges
  - ☒ 3. Yamuna
  - ☒ 4. Brahmaputra

Question ID : **65497815697**  
Chosen Option : 4

**Q.12 Which of the following government schemes was launched with the objective of achieving inclusive growth, by developing skills and productive capacity of the rural youth from poor families?**

- Ans
- ☒ 1. Pandit Deendayal Upadhyay Shramev Jayate Yojana (PDUSJY)
  - ☒ 2. Mission Indradhanush
  - ☒ 3. Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY)
  - ☒ 4. Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDUGKY)

Question ID : **65497815688**  
Chosen Option : 4

**Q.13 The 'Dhangari Gaja' traditional/folk dance belongs to which of the following states?**

- Ans
- ☒ 1. Meghalaya
  - ☒ 2. Madhya Pradesh
  - ☒ 3. Maharashtra
  - ☒ 4. Manipur

Question ID : **65497815680**  
Chosen Option : --

**Q.14 The Indian National Congress was founded in December 1885 at:**

- Ans
- ☒ 1. Calcutta
  - ☒ 2. Bombay
  - ☒ 3. Delhi
  - ☒ 4. Lucknow

Question ID : **65497815701**  
Chosen Option : 1

**Q.15** When the breakdown of food (glucose) occurs without the use of oxygen, it is called:

- Ans
- ☒ 1. aerobic respiration
  - ☒ 2. cellular respiration
  - ☒ 3. capillary respiration
  - ☒ 4. anaerobic respiration

Question ID : 65497815694  
Chosen Option : --

**Q.16** Who among the following founded the Arya Samaj in 1875?

- Ans
- ☒ 1. Mahadev Govind Ranade
  - ☒ 2. Ram Mohan Roy
  - ☒ 3. Keshab Chandra Sen
  - ☒ 4. Dayanand Saraswati

Question ID : 65497815679  
Chosen Option : 4

**Q.17** Which soccer player holds the distinction of having the most wins of the FIFA World Cup by any player?

- Ans
- ☒ 1. Pele
  - ☒ 2. Diego Maradona
  - ☒ 3. Zinedine Zidane
  - ☒ 4. George Best

Question ID : 65497815682  
Chosen Option : --

**Q.18** Who among the following was the first-ever Indian to receive the Bharat Ratna award?

- Ans
- ☒ 1. Mokshagundam Visvesvaraya
  - ☒ 2. Chandrasekhara Venkata Raman
  - ☒ 3. Pandurang Vaman Kane
  - ☒ 4. Purushottam Das Tandon

Question ID : 65497815685  
Chosen Option : 2

**Q.19** Which of the following States has a Legislative Council?

- Ans
- ☒ 1. Tamil Nadu
  - ☒ 2. Uttar Pradesh
  - ☒ 3. Gujarat
  - ☒ 4. West Bengal

Question ID : 65497815690  
Chosen Option : --

**Q.20** In which year was the 'Pradhan Mantri Annadata Aay Sanrakshan Abhiyan' (PM-AASHA) launched by the Government of India?

- Ans
- ☒ 1. 2016
  - ☒ 2. 2015
  - ☒ 3. 2018
  - ☒ 4. 2017

Question ID : 65497814979  
Chosen Option : --

**Q.21** A Panchayat continues for \_\_\_\_\_ from the date appointed for its first meeting.

- Ans
- ☒ 1. 14 years
  - ☒ 2. 11 years
  - ☒ 3. 5 years
  - ☒ 4. 9 years

Question ID : 65497815689  
Chosen Option : 3

**Q.22** A simple pendulum consists of a small metallic ball or a piece of stone suspended from a rigid stand by a thread. The metallic ball is called the \_\_\_\_\_ of the pendulum.

- Ans
- ☒ 1. bob
  - ☒ 2. knob
  - ☒ 3. hinge
  - ☒ 4. head

Question ID : 65497815695  
Chosen Option : 1

**Q.23** In 2020, the Deposit Insurance and Credit Guarantee Corporation (DICGC) was permitted to increase deposit insurance coverage to \_\_\_\_\_.

- Ans
- ☒ 1. ₹3 lakh
  - ☒ 2. ₹7 lakh
  - ☒ 3. ₹5 lakh
  - ☒ 4. ₹1 lakh

Question ID : 65497817101  
Chosen Option : --

**Q.24** Which Indian cricketer has featured in the most number of international cricket matches?

- Ans
- ☒ 1. Mohammad Azharuddin
  - ☒ 2. Sachin Tendulkar
  - ☒ 3. Sourav Ganguly
  - ☒ 4. Mahendra Singh Dhoni

Question ID : 65497815681  
Chosen Option : 2

**Q.25 Chhannulal Mishra, the recipient of the Padma Vibhushan 2020, has received the award in the domain of:**

**Ans**

✓ 1. Art

✗ 2. Literature and Education

✗ 3. Public Affairs

✗ 4. Trade and Industry

Question ID : **65497815683**

Chosen Option : **3**