# Multi Tasking Non Technical Staff Examination 2020

| Participant ID | **Join Telegram Link in App** |
|---|---|
| Participant Name | **Join Telegram Link in App** |
| Test Center Name | Dr. Kalam Academy |
| Test Date | 20/10/2021 |
| Test Time : | 4:00 PM - 5:30 PM |
| Subject | MTS Non Technical 2020 |

Section : **General English**

**Q.1** **Select the most appropriate word for the given group of words.**

**The cry of a goat**

Ans ✅ 1. Bleat

❌ 2. Bray

❌ 3. Croak

❌ 4. Yelp

Question ID : **65497817340**
Chosen Option : **1**

**Q.2** **Select the most appropriate meaning of the given idiom.**

**Bear the brunt**

Ans ❌ 1. Be first to try something

❌ 2. Confront a powerful rival

❌ 3. Know what is going on

✅ 4. Suffer the worst of something

Question ID : **65497817338**
Chosen Option : **4**

**Q.3** **Select the most appropriate ANTONYM of the given word.**

**PROFUSE**

Ans ❌ 1. Sufficient

❌ 2. Lush

❌ 3. Plenty

✅ 4. Scant

Question ID : **65497817334**
Chosen Option : **4**

**Q.4**  **Select the INCORRECTLY spelt word.**

**Ans**  ✔ 1. Preferance

✘ 2. Predict

✘ 3. Preface

✘ 4. Predominant

Question ID : **65497817342**
Chosen Option : **1**

**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'.**

**The workers has called up the strike.**

**Ans**  ✘ 1. has called off

✘ 2. No substitution required

✘ 3. have called up

✔ 4. have called off

Question ID : **65497817330**
Chosen Option : **4**

**Q.6**  **Identify the segment that contains a grammatical error. If there is no error, select 'No error'.**

**One of the apples that you have picked up are rotten.**

**Ans**  ✘ 1. that you have picked up

✘ 2. No error

✔ 3. are rotten

✘ 4. One of the apples

Question ID : **65497817320**
Chosen Option : **3**

**Q.7**  **Select the most appropriate meaning of the given idiom.**

**Behind closed doors**

**Ans**  ✘ 1. Do something alone

✘ 2. Be in prison

✘ 3. Be away from others

✔ 4. Do something secretly

Question ID : **65497817337**
Chosen Option : **4**

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

**In the morning I leave my house _____ eight o'clock.**

Ans  ✗ 1. in

   ✓ 2. at

   ✗ 3. on

   ✗ 4. for

Question ID : **65497817322**
Chosen Option : **2**

**Q.9**  **Select the most appropriate ANTONYM of the given word.**

**DISTANT**

Ans  ✗ 1. Remote

   ✗ 2. Removed

   ✗ 3. Isolated

   ✓ 4. Near

Question ID : **65497817333**
Chosen Option : **4**

**Q.10**  **Identify the segment that contains a grammatical error. If there is no error, select 'No error'.**

**Hundred and fifty rupees seem a high price for this little vase.**

Ans  ✓ 1. seem a high price

   ✗ 2. for this little vase

   ✗ 3. No error

   ✗ 4. Hundred and fifty rupees

Question ID : **65497817319**
Chosen Option : **1**

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

**This is one trip whom I will never forget.**

Ans  ✗ 1. No error

   ✗ 2. This is one trip

   ✗ 3. never forget

   ✓ 4. whom I will

Question ID : **65497817321**
Chosen Option : **4**

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

I am sure that my seeds _____ by next week

Ans   ✗ 1. are growing

      ✓ 2. will grow

      ✗ 3. grow

      ✗ 4. grew

| | |
|---|---|
| Question ID : **65497817323** |
| Chosen Option : **2** |

**Q.13  Select the most appropriate word for the given group of words.**

**Rub out writing**

Ans   ✓ 1. Erase

      ✗ 2. Abolish

      ✗ 3. Break

      ✗ 4. Demolish

| | |
|---|---|
| Question ID : **65497817339** |
| Chosen Option : **1** |

**Q.14  Select the most appropriate option to substitute the underlined segment in the given sentence.**

The accused <u>has been tortured</u> before he was brought to the court.

Ans   ✗ 1. was being tortured

      ✗ 2. has tortured

      ✗ 3. had tortured

      ✓ 4. had been tortured

| | |
|---|---|
| Question ID : **65497817937** |
| Chosen Option : **3** |

**Q.15  Select the INCORRECTLY spelt word.**

Ans   ✗ 1. Multiple

      ✗ 2. Murmur

      ✓ 3. Muddel

      ✗ 4. Mumble

| | |
|---|---|
| Question ID : **65497817341** |
| Chosen Option : **3** |

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

**PREVENT**

Ans    ✓ 1. Block

✗ 2. Allow

✗ 3. Open

✗ 4. Push

Question ID : **65497817335**
Chosen Option : **1**

**Q.17** Select the most appropriate option to fill in the blank.

Millions of people _____ during the acute famine of Odisha.

Ans    ✗ 1. hungered

✓ 2. starved

✗ 3. damaged

✗ 4. collapsed

Question ID : **65497817344**
Chosen Option : **1**

**Q.18** Select the most appropriate option to fill in the blank.

The trek manager _____ that the trekkers rest for a while before the climb.

Ans    ✓ 1. insisted

✗ 2. informed

✗ 3. told

✗ 4. warned

Question ID : **65497817343**
Chosen Option : **3**

**Q.19** 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'.

The game of cricket is governed by strict laws <u>like</u> other sports where there are merely rules.

Ans    ✓ 1. unlike

✗ 2. such like

✗ 3. No substitution required

✗ 4. quite like

Question ID : **65497815716**
Chosen Option : **1**

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

**ELEGANT**

Ans    ✔ 1. Graceful

       ✘ 2. Intelligent

       ✘ 3. Common

       ✘ 4. Rough

> Question ID : **65497817336**
> Chosen Option : **1**

**Comprehension:**

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

Suraj waved to a passing train, and kept waving (1)_____ only the spiralling smoke remained. He (2)_____ waving to trains. He wondered (3)_____ the people in them, and about (4)_____ they were going and what it (5)_____ be like there. And when the train had passed, Suraj was lonely.

**SubQuestion No : 21**

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

Ans    ✘ 1. while

       ✘ 2. when

       ✔ 3. until

       ✘ 4. after

> Question ID : **65497817325**
> Chosen Option : **3**

**Comprehension:**

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

Suraj waved to a passing train, and kept waving (1)_____ only the spiralling smoke remained. He (2)_____ waving to trains. He wondered (3)_____ the people in them, and about (4)_____ they were going and what it (5)_____ be like there. And when the train had passed, Suraj was lonely.

**SubQuestion No : 22**

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

Ans    ✔ 1. liked

       ✘ 2. likes

       ✘ 3. is liking

       ✘ 4. was liking

> Question ID : **65497817326**
> Chosen Option : **1**

**Comprehension:**

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

Suraj waved to a passing train, and kept waving (1)_____ only the spiralling smoke remained. He (2)_____ waving to trains. He wondered (3)_____ the people in them, and about (4)_____ they were going and what it (5)_____ be like there. And when the train had passed, Suraj was lonely.

**SubQuestion No : 23**

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

Ans ✗ 1. of

✔ 2. about

✗ 3. for

✗ 4. to

Question ID : **65497817327**

Chosen Option : **3**

**Comprehension:**

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

Suraj waved to a passing train, and kept waving (1)_____ only the spiralling smoke remained. He (2)_____ waving to trains. He wondered (3)_____ the people in them, and about (4)_____ they were going and what it (5)_____ be like there. And when the train had passed, Suraj was lonely.

**SubQuestion No : 24**

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

Ans ✔ 1. where

✗ 2. why

✗ 3. how

✗ 4. when

Question ID : **65497817328**

Chosen Option : **1**

**Comprehension:**

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

Suraj waved to a passing train, and kept waving (1)_____ only the spiralling smoke remained. He (2)_____ waving to trains. He wondered (3)_____ the people in them, and about (4)_____ they were going and what it (5)_____ be like there. And when the train had passed, Suraj was lonely.

**SubQuestion No : 25**

**Q.25 Select the most appropriate option to fill in blank no. 5.**
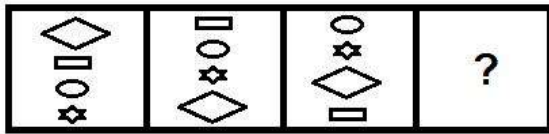
Ans ✗ 1. should

✔ 2. would

✗ 3. can

✗ 4. will

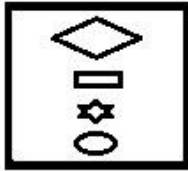Question ID : **65497817329**

Chosen Option : **2**

Section : **General Intelligence and Reasoning**

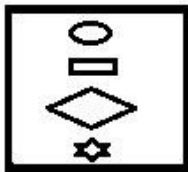**Q.1** Select the figure that will replace the question mark (?) in the following figure series.
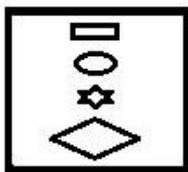


**Ans**

✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : **65497814940**

Chosen Option : **3**

---

**Q.2** Among five rods, P, Q, R, S and T, the weight of T is 20 kg. The weight of S is half the weight of P. The weight of Q is one-fourth the weight of P. R's weight is twice the weight of Q. The weight of P is twice the weight of T. Which rod is the lightest among all?

**Ans**  ✗ 1. P

✗ 2. S

✓ 3. Q

✗ 4. R
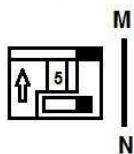
Question ID : **65497814939**

Chosen Option : **1**

**Q.3** If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following expression?

**5 B 3 A 4 B (6 C 2) C (18 D 3) D 2**

Ans   ✗ 1. 37

     ✗ 2. 31

     ✓ 3. 28

     ✗ 4. 45

Question ID : **65497814921**

Chosen Option : **3**

---

**Q.4** Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans

✗ 1.

✗ 2.

✗ 3.

✓ 4.

Question ID : **65497814943**

Chosen Option : **4**

---

**Q.5** There are five friends who are sitting in a line, all facing north. Mohit is sitting at the second place to the left of Arjun. Surya is sitting to the immediate left of Kartik. Harman is sitting to the immediate right of Mohit. There are two persons between Surya and Mohit. Which two persons are sitting at the corners?

Ans   ✓ 1. Mohit and Kartik

     ✗ 2. Arjun and Kartik

     ✗ 3. Mohit and Arjun

     ✗ 4. Harman and Kartik

Question ID : **65497814938**

Chosen Option : **1**

**Q.6** 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 thermometers are rockets.
All equipment are thermometers.

**Conclusions:**
I. Some rockets are equipment.
II. Some rockets are thermometers.

**Ans**   ✗ 1. Only conclusion II follows

   ✓ 2. Both conclusions I and II follow

   ✗ 3. Neither conclusion I nor II follows

   ✗ 4. Only conclusion I follows
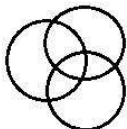
Question ID : **65497814935**
Chosen Option : **2**

**Q.7** Select the option that is related to the third number in the same way as the second number is related to the first number.

**6 : 50 : : 11 : ?**

**Ans**   ✓ 1. 145

   ✗ 2. 169

   ✗ 3. 104

   ✗ 4. 99

Question ID : **65497814923**
Chosen Option : **1**

**Q.8** Select the set of classes the relationship among which is best illustrated by the following Venn diagram.



**Ans**   ✓ 1. Lawyers, Mothers, Sisters

   ✗ 2. Engines, Cars, Plants

   ✗ 3. Cardamom, Fenugreek, Spices

   ✗ 4. Architects, Boys, Girls

Question ID : **65497814945**
Chosen Option : **3**

**Q.9  Which of the following numbers will replace the question mark (?) in the given series?**

**25, 34, 52, ?, 160, 304**

Ans    ✔ 1. 88

✘ 2. 80

✘ 3. 99

✘ 4. 95

Question ID : **65497814925**
Chosen Option : **1**

**Q.10  Which of the following numbers will replace the question mark (?) in the given series?**

**1080, 360, ?, 60, 30, 10, 5**
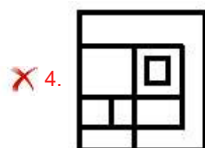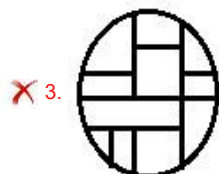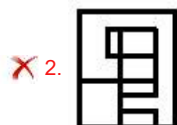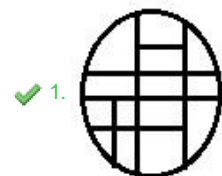
Ans    ✔ 1. 180

✘ 2. 240

✘ 3. 170

✘ 4. 120

Question ID : **65497814926**
Chosen Option : **1**

**Q.11**  Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).
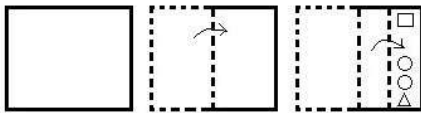
(X)

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Question ID : **65497814942**
Chosen Option : **1**

**Q.12** A paper is folded and cut as shown in the given figures. How will it appear when unfolded?

**Ans**

✘ 1.

✘ 2.

✘ 3.

✔ 4.

Question ID : **65497814944**

Chosen Option : **4**

---

**Q.13** Which two numbers should be interchanged to make the given equation correct?

**8 × 7 − 42 ÷ 14 × 2 + 21 = 66**

**Ans** ✔ 1. 14 and 21

✘ 2. 2 and 7

✘ 3. 14 and 42

✘ 4. 7 and 14

Question ID : **65497814922**

Chosen Option : **1**

---

**Q.14** Five friends A, B, C, D and E are sitting in a line, all facing north. E is sitting to the immediate left of B. A is sitting to the immediate right of C. D is to the immediate right of B. B is third to the left of A. Who is sitting at the third place to the right of E?

**Ans** ✔ 1. C

✘ 2. A

✘ 3. B

✘ 4. D

Question ID : **65497814937**

Chosen Option : **1**

**Q.15** 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.

PRIVATE : HWDYLUS : : SIGNIFY : ?

Ans    ✗ 1. BKLQJLR

       ✓ 2. BILQJLV

       ✗ 3. ZILQJLW

       ✗ 4. BIKRJLV

Question ID : **65497814931**

Chosen Option : **2**

**Q.16** In a certain code language, 'USEFUL' is written as 'XVHCRI'. How will 'MORSEL' be written in that language?

Ans    ✗ 1. ORUPCI

       ✗ 2. PRVPBJ

       ✗ 3. QRUQBI

       ✓ 4. PRUPBI

Question ID : **65497814927**

Chosen Option : **4**

**Q.17** Which of the following letter-clusters will replace the question mark (?) in the given series?

BRAIN, DRAIN, DTAIN, ?, DTCKN, DTCKP

Ans    ✓ 1. DTCIN

       ✗ 2. DTCIP

       ✗ 3. DRCIN

       ✗ 4. DTACN

Question ID : **65497814934**

Chosen Option : **1**

**Q.18** In a certain code language, 'PROCESS' is written as '321815351938'. How will 'FREEZER' be written in that language?

Ans    ✗ 1. 14185526536

       ✓ 2. 12185526536

       ✗ 3. 12195526526

       ✗ 4. 60185526518

Question ID : **65497814929**

Chosen Option : **2**

**Q.19** In a certain code language, 'NORM' is written as 'MNOR', and 'DORSAL' is written as 'ADLORS'. How will 'BUDGET' be written in that language?

Ans    ✗ 1. DGEBTV

     ✓ 2. BDEGTU

     ✗ 3. BDEGUT

     ✗ 4. FDEGRU

Question ID : **65497814928**
Chosen Option : **2**

**Q.20** Study the given pattern carefully and select the number that can replace the question mark (?) in it.

**5 9 5**
**7 3 ?**
**148 180 292**

Ans    ✗ 1. 12

     ✗ 2. 10

     ✗ 3. 9

     ✓ 4. 11

Question ID : **65497814924**
Chosen Option : **4**

**Q.21** Select the option that is related to the third word in the same way as the second word is related to the first word.

**Ink : Write : : Medicine : ?**

Ans    ✗ 1. Doctor

     ✗ 2. Chemist

     ✗ 3. Tablet

     ✓ 4. Cure

Question ID : **65497814932**
Chosen Option : **4**

**Q.22** Two statements are given followed by three conclusions numbered I, II and III. 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 needles are threads.**
**No thread is a match-box.**

**Conclusions:**
**I. No needle is a match-box.**
**II. Some threads are needles.**
**III. Some match-boxes are needles.**

Ans    ✗ 1. Only conclusions I and III follow

     ✗ 2. All of the conclusions follow

     ✗ 3. Only conclusions II and III follow

     ✓ 4. Only conclusions I and II follow

Question ID : **65497814936**
Chosen Option : **4**

**Q.23** Select the option that is related to the third word in the same way as the second word is related to the first word.

Pulses : Black gram : : Cereal : ?

Ans  ✗ 1. Coriander

✔ 2. Rice

✗ 3. mustard

✗ 4. Fertiliser

Question ID : **65497814933**

Chosen Option : **3**

**Q.24** In a certain code language, 'MIXTURE' is written as '117', and 'FLOWER' is written as '85'. How will 'MERGER' be written in that language?

Ans  ✗ 1. 55

✗ 2. 66

✗ 3. 86

✔ 4. 72

Question ID : **65497814930**

Chosen Option : **4**

**Q.25** Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.
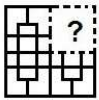
Question ID : **65497814941**

Chosen Option : **4**

Section : **Numerical Aptitude**

**Q.1** The base of a triangle is increased by 30%. By what percentage (correct to two decimal places) can its height be increased so that the area increases by 50%?

**Ans** ✗ 1. 10.53%

✗ 2. 12.38%

✗ 3. 13.53%

✔ 4. 15.38%

| | |
|---|---|
| Question ID : **65497818185** | |
| Chosen Option : **4** | |

**Q.2** On selling a bat for ₹954, a man gains 6%. What should be its selling price (in ₹) to gain 8%?

**Ans** ✗ 1. 958

✗ 2. 1,080

✔ 3. 972

✗ 4. 1,054

| | |
|---|---|
| Question ID : **65497818186** | |
| Chosen Option : **3** | |

**Q.3** The mean of 11, 10, 12, 13, 15, x and 17, is 15. The value of x is:

**Ans** ✗ 1. 18

✗ 2. 29

✗ 3. 25

✔ 4. 27

| | |
|---|---|
| Question ID : **65497818193** | |
| Chosen Option : **4** | |

**Q.4** A manufacturer marks the price of an article at ₹1,200. He sells it to a trader at a discount of 10%. The trader gets a further discount of 5% on his net payment for paying in cash. What amount (in ₹) does the trader pay to the manufacturer?

**Ans** ✔ 1. 1,026

✗ 2. 1,056

✗ 3. 1,080

✗ 4. 1,020

| | |
|---|---|
| Question ID : **65497818184** | |
| Chosen Option : **4** | |

**Q.5** What is the LCM of 0.126, 0.36 and 0.96?

Ans   ✗ 1. 20160

　　　✓ 2. 20.16

　　　✗ 3. 201.60

　　　✗ 4. 2.016

Question ID : **65497818197**

Chosen Option : **2**

---

**Q.6** The average weight of Sohum and his five friends is 48.5 kg. If Sohum is 3 kg more than the average weight of his five friends, what is Sohums's weight (in kg)?

Ans   ✓ 1. 51.0

　　　✗ 2. 50.0

　　　✗ 3. 50.5

　　　✗ 4. 51.5

Question ID : **65497818182**

Chosen Option : **1**

---

**Q.7** A solid cube of side 15 cm is dropped into a rectangular container of length 25 cm, breadth 20 cm and height 18 cm, which is partly filled with water. If the cube is completely submerged, then the rise of water level (in cm) is:

Ans   ✗ 1. 7.75

　　　✗ 2. 5.25

　　　✗ 3. 8.75

　　　✓ 4. 6.75

Question ID : **65497818194**

Chosen Option : **2**

---

**Q.8** Two trains A and B start with uniform speeds at the same time from points P and Q, respectively, towards each other. After crossing each other, A takes 16 hours to reach Q and B takes 4 hours to reach P. If train A is moving with a speed of 54 km/h, the speed of B (in km/h) is:

Ans   ✗ 1. 112

　　　✗ 2. 27

　　　✗ 3. 36

　　　✓ 4. 108

Question ID : **65497818181**

Chosen Option : **4**

**Q.9** A certain sum amounts to ₹1,543.50 when invested for 2 years at 5% per annum compound interest. What is the sum (in ₹)?

**Ans** ✗ 1. 1,500

✔ 2. 1,400

✗ 3. 1,200

✗ 4. 1,600

Question ID : **65497818191**

Chosen Option : **2**

**Q.10** The simplified value of $\dfrac{109 - \{121 \div (11\ of\ 11) - (-4) - (3 - \overline{8-1})\}}{125 - (-3)(4 - \overline{6-2}) \div 3\{5 + (-3)\ of\ (-6)\}}$ is:

**Ans** ✗ 1. 125

✔ 2. $\dfrac{4}{5}$

✗ 3. 100

✗ 4. $\dfrac{5}{4}$

Question ID : **65497818400**

Chosen Option : **2**

**Q.11** A certain sum of money, when invested at a certain rate of simple interest, amounts to Rs 1,102 in 2 years and Rs 1,600 in 5 years. What is the principal amount (in Rs):

**Ans** ✔ 1. 770

✗ 2. 880

✗ 3. 990

✗ 4. 1,270

Question ID : **65497818192**

Chosen Option : **1**

**Q.12** To do a certain work, the ratio of the efficiencies of A and B is 5 : 11. Working together, they can do the same work in $27\frac{1}{2}$ days. A and B work together for 20 days. C alone completes the remaining work in 18 days. C alone can do 75% of the original work in:

**Ans** ✗ 1. $56\frac{1}{2}$ days

✗ 2. 35 days

✗ 3. 33 days

✔ 4. $49\frac{1}{2}$ days

Question ID : **65497818179**

Chosen Option : **4**

**Q.13** John sold a watch to Sue at a gain of 20%, and Sue sold it to Rima at a profit of 10%. If Rima paid ₹2,178 for it, how much did John pay (in ₹) for the watch?

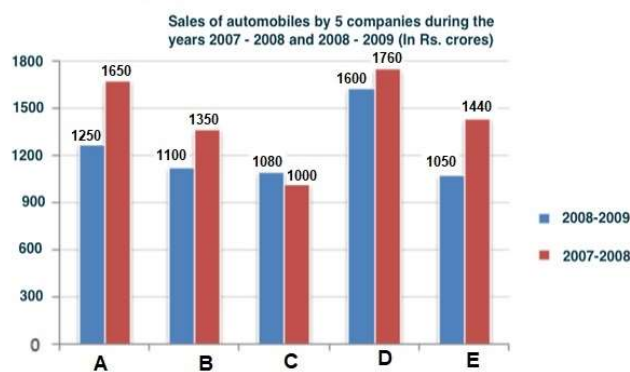**Ans** ✔ 1. 1,650

✘ 2. 1,780

✘ 3. 1,478

✘ 4. 1,200

Question ID : **65497818187**

Chosen Option : **1**

**Q.14** The given bar graph represents the sales of automobiles (in ₹ crores) by five companies A, B, C, D and E in the years 2007-2008 and 2008-2009.

Study the bar graph and answer the question that follows.

*(Note: The data shown below is only for mathematical exercise. It does not represent the actual figures of the companies)*

**Sales of automobiles by 5 companies during the years 2007 - 2008 and 2008 - 2009 (In Rs. crores)**

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 2008-2009 | 1250 | 1100 | 1080 | 1600 | 1050 |
| 2007-2008 | 1650 | 1350 | 1000 | 1760 | 1440 |

What should have been the sales (in ₹ crores) of company E in 2008-2009 so that it would have shown the same increase over 2007-2008 as shown by the sales of automobiles of company C during these years?

**Ans** ✘ 1. 1,130

✔ 2. 1,520

✘ 3. 1,360

✘ 4. 1,650

Question ID : **65497818201**

Chosen Option : **4**

**Q.15**  One-third of a journey is covered at a rate of 40 km/h, one-fourth at the rate of 35 km/h, and the rest at the rate of 45 km/h. The average speed for the whole journey (in km/h) is:

**Ans**

✗ 1. $\dfrac{5670}{187}$

✗ 2. $\dfrac{6750}{187}$

✗ 3. $\dfrac{6570}{187}$

✓ 4. $\dfrac{7560}{187}$

Question ID : **65497818183**
Chosen Option : **4**

**Q.16**  P can do a piece of the work in 18 days and Q can do same work in 36 days. How long will they take (in days), if they work together, to complete the above mentioned work?

**Ans**

✗ 1. 24

✓ 2. 12

✗ 3. 20

✗ 4. 10

Question ID : **65497818178**
Chosen Option : **2**

**Q.17**  If three numbers are in the proportion of 1 : 3 : 4 and two times the sum of the numbers is 80, then the proportion of the squares of the numbers is:

**Ans**

✗ 1. 4 : 36 : 64

✗ 2. 25 : 225 : 500

✓ 3. 1 : 9 : 16

✗ 4. 9 : 81 : 144

Question ID : **65497818189**
Chosen Option : **4**

**Q.18**  An earthworm of length 18 cm is crawling along a certain path with a speed of 4 cm/s. An insect overtakes the earthworm in 6 s. How fast (in cm/s) is the insect walking? Assume that they both are walking along parallel paths.

**Ans**

✓ 1. 7.0

✗ 2. 6.5

✗ 3. 5.5

✗ 4. 6.0

Question ID : **65497818180**
Chosen Option : **1**

**Q.19** The sum of the height and radius of the base of a solid right circular cylinder is 46 cm. If the total surface area of the solid cylinder is 6072 cm$^2$, what is the volume (in cm$^3$) of the cylinder?
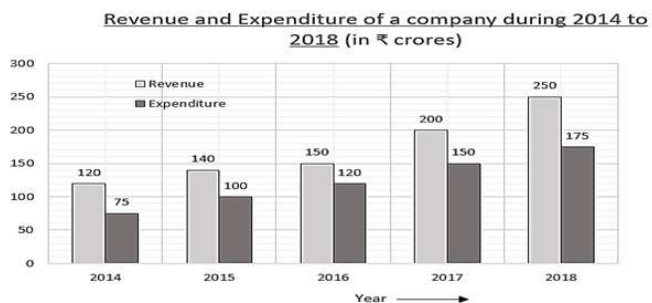
(Use $\pi = \frac{22}{7}$)

**Ans**
✔ 1. $11025\,\pi$

✘ 2. $3036\,\pi$

✘ 3. $11025$

✘ 4. $3036$

Question ID : **65497818196**

Chosen Option : **1**

**Q.20** Study the given graph and answer the question that follows.

**Revenue and Expenditure of a company during 2014 to 2018 (in ₹ crores)**



In how many years is the profit (Revenue – Expenditure) as a percentage of revenue, more than 28%?

**Ans**
✘ 1. 2

✘ 2. 4

✔ 3. 3

✘ 4. 1

Question ID : **65497818202**

Chosen Option : **3**

**Q.21** A solid right circular cone is cut into two parts by a plane parallel to its base and at a point one-third vertically below its vertex. What is the ratio of the volume of the smaller cone to that of the whole cone?

**Ans**
✘ 1. $\dfrac{1}{9}$

✘ 2. $\dfrac{1}{8}$

✔ 3. $\dfrac{1}{27}$

✘ 4. $\dfrac{1}{3}$

Question ID : **65497818195**

Chosen Option : **3**

**Q.22** The value of $\frac{13}{70} \div \left[ \frac{4}{5}\left( \frac{1}{3} - \frac{1}{4} \times \frac{1}{5} \right) \div 2\frac{5}{6} \right] - 1\frac{9}{28}$ is:

**Ans**   ✗ 1.  20

    ✓ 2.  1

    ✗ 3.  10

    ✗ 4.  12

Question ID : **65497816179**

Chosen Option : **2**

**Q.23** The ratio of the number of students in Science to that in Humanities, in Grade 12 of 360 students, is 2 : 3. When some new students are admitted, the number of Science students increase by 18 and the ratio of the Science students to Humanities students changes to 3 : 5. What is the number of new Humanities students admitted?

**Ans**   ✓ 1.  54

    ✗ 2.  45

    ✗ 3.  63

    ✗ 4.  72

Question ID : **65497818188**

Chosen Option : **1**

**Q.24** The capacities of three containers P, Q and R are in the proportion of 5 : 4 : 8. They are completely filled with a mixture of milk and water in the proportions of 1 : 4, 2 : 3 and 3 : 5, respectively. If the mixtures of all the three containers are mixed together, then what will be the proportion of milk to water in the final mixture?

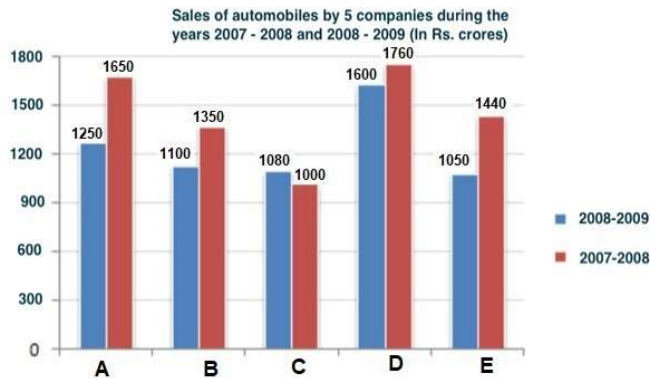**Ans**   ✗ 1.  1 : 2

    ✗ 2.  16 : 81

    ✗ 3.  25 : 64

    ✓ 4.  28 : 57

Question ID : **65497818190**

Chosen Option : **4**

**Q.25** The given bar graph represents the sales of automobiles (in ₹ crores) by five companies A, B, C, D and E in the years 2007-2008 and 2008-2009.

Study the bar graph and answer the question that follows.

*(Note: The data shown below is only for mathematical exercise. It does not represent the actual figures of the companies)*



Sales of automobiles by 5 companies during the years 2007 - 2008 and 2008 - 2009 (In Rs. crores)

What is the percentage difference (correct to two places of decimals) of the combined sales of the five companies in 2008-2009 compared to the combined sales of the five companies in 2007-2008?

**Ans** ✔ 1. 15.56%

✘ 2. 16.48%

✘ 3. 18.42%

✘ 4. 17.64%

Question ID : **65497818200**
Chosen Option : **1**

Section : **General Awareness**

**Q.1 The Supreme Court of India was established on:**

**Ans** ✘ 1. 25 January 1954

✘ 2. 30 January 1950

✘ 3. 15 January 1952

✔ 4. 26 January 1950

Question ID : **65497818214**
Chosen Option : **3**

**Q.2 Which city bagged the first rank as the cleanest city of India under Swachh Survekshan League 2020?**

**Ans** ✔ 1. Indore

✘ 2. Jhansi

✘ 3. Bhopal

✘ 4. Gwalior

Question ID : **65497818217**
Chosen Option : **1**

**Q.3** Which of the following is NOT an instrument of the monetary policy of the Reserve Bank of India?

Ans    ✗ 1. Liquidity Adjustment Facility (LAF)

    ✗ 2. Repo rate

    ✓ 3. Goods and Services Tax (GST)

    ✗ 4. Cash Reserve Ratio (CRR)

Question ID : **65497816192**
Chosen Option : **3**

**Q.4** Who is the chairperson of the Rajya Sabha?

Ans    ✗ 1. The President of India

    ✗ 2. The Governor of India

    ✓ 3. The Vice-President of India

    ✗ 4. The Chief Justice of India

Question ID : **65497818215**
Chosen Option : **3**

**Q.5** Mahendragiri is the highest peak in the:

Ans    ✗ 1. Western Ghats

    ✓ 2. Eastern Ghats

    ✗ 3. Himalayan Range

    ✗ 4. Satpura Range

Question ID : **65497818224**
Chosen Option : **2**

**Q.6** The book 'Gitanjali' is authored by:

Ans    ✗ 1. Ganga Das

    ✗ 2. Harivansh Rai Bachchan

    ✓ 3. Rabindranath Tagore

    ✗ 4. Devaki Nandan Khatri

Question ID : **65497818209**
Chosen Option : **3**

**Q.7** The onus of Jallianwala Bagh massacre that happened in 1919 was on which General of the British Army?

Ans    ✗ 1. General Kitchener

    ✓ 2. General Dyer

    ✗ 3. General Stringer Lawrence

    ✗ 4. General Robert

Question ID : **65497818227**
Chosen Option : **2**

**Q.8** Which among the following is a Harappan city?

Ans  ✗ 1. Kosala

  ✗ 2. Lumbini

  ✓ 3. Dholavira

  ✗ 4. Hampi

Question ID : 65497818225

Chosen Option : 3

**Q.9** Who among the following was the chief scientist of World Health Organization as of August 2020?

Ans  ✗ 1. Dr. Naoko Yamamoto

  ✓ 2. Dr. Soumya Swaminathan

  ✗ 3. Dr. Zsuzsanna Jakab

  ✗ 4. Dr. Samira Asma

Question ID : 65497818208

Chosen Option : 2

**Q.10** In which year was the Jal Jeevan Mission launched in India? The mission aims at providing potable water through its scheme of functional household tap connections.

Ans  ✗ 1. 2015

  ✓ 2. 2019

  ✗ 3. 2009

  ✗ 4. 2010

Question ID : 65497818218

Chosen Option : 2

**Q.11** The People for the Ethical Treatment of Animals, India, have conferred _____ with the 'Hero to Animals Award' in 2020.

Ans  ✗ 1. Sonu Sood

  ✗ 2. Maneka Gandhi

  ✓ 3. Naveen Patnaik

  ✗ 4. Sadaa Sayed

Question ID : 65497818210

Chosen Option : 3

**Q.12** Who among the following is a famous Santoor player?

Ans  ✓ 1. Pandit Shivkumar Sharma

  ✗ 2. Pandit Ravi Shankar

  ✗ 3. Ustad Bismillah Khan

  ✗ 4. Ustad Zakir Hussain

Question ID : 65497818204

Chosen Option : 1

**Q.13 Rukmini Devi Arundale is a famous classical dancer of:**

Ans   ✗ 1. Kathak

      ✔ 2. Bharatnatyam

      ✗ 3. Mohiniattam

      ✗ 4. Kuchipudi

| Question ID : **65497818203** |
| Chosen Option : **2** |

**Q.14 Which edition of Khelo India Youth Games was held in Guwahati in January 2020?**

Ans   ✗ 1. Second edition

      ✗ 2. Fifth edition

      ✗ 3. Fourth edition

      ✔ 4. Third edition

| Question ID : **65497818207** |
| Chosen Option : **1** |

**Q.15 An official enumeration of population done periodically is known as:**

Ans   ✗ 1. national register of citizens

      ✗ 2. demographic count

      ✔ 3. census

      ✗ 4. national population register

| Question ID : **65497818222** |
| Chosen Option : **3** |

**Q.16 The Mattancherry palace is situated in:**

Ans   ✗ 1. Odisha

      ✔ 2. Kerala

      ✗ 3. Andhra Pradesh

      ✗ 4. Tamil Nadu

| Question ID : **65497818205** |
| Chosen Option : **1** |

**Q.17 Which state among the following is the largest producer of coffee?**

Ans   ✔ 1. Karnataka

      ✗ 2. Tamil Nadu

      ✗ 3. Andhra Pradesh

      ✗ 4. Kerala

| Question ID : **65497818223** |
| Chosen Option : **1** |

**Q.18** The 15th Finance Commission has been constituted by the President of India for a period of _____ years.

Ans ✗ 1. three

✗ 2. six

✗ 3. four

✓ 4. five

Question ID : **65497818413**
Chosen Option : **4**

**Q.19** Which department of the Government of India declares the minimum support prices?

Ans ✗ 1. Department of Economic Affairs

✓ 2. Department of Agriculture and Cooperation

✗ 3. Department of Disinvestment

✗ 4. Department of Expenditure

Question ID : **65497818213**
Chosen Option : **2**

**Q.20** Whitewashed walls appear to be shiny after three to four days due to the formation of:

Ans ✗ 1. calcium nitrate

✗ 2. calcium sulphate

✗ 3. calcium oxide

✓ 4. calcium carbonate

Question ID : **65497818220**
Chosen Option : **2**

**Q.21** Which law explains about the tides due to the moon and the sun?

Ans ✓ 1. Law of gravitation

✗ 2. Law of reflection

✗ 3. Law of inertia

✗ 4. Law of refraction

Question ID : **65497818221**
Chosen Option : **1**

**Q.22** Electoral roll is commonly known as:

Ans ✗ 1. election count

✓ 2. voter's list

✗ 3. election list

✗ 4. serial list

Question ID : **65497818216**
Chosen Option : **2**

**Q.23  Which tissue among the following is a protective tissue in the animal body?**

Ans     ✗  1. Muscular tissue

        ✗  2. Nervous tissue

        ✗  3. Connective tissue

        ✓  4. Epithelial tissue

Question ID : **65497818219**
Chosen Option : **4**

**Q.24  Which law was imposed in India during the command of General Dyer?**

Ans     ✗  1. Preventive detention

        ✗  2. Discrimination law

        ✗  3. Simon law

        ✓  4. Martial law

Question ID : **65497818226**
Chosen Option : **4**

**Q.25  With which of the following sports/games is Rani Rampal associated?**

Ans     ✓  1. Hockey

        ✗  2. Badminton

        ✗  3. Cricket

        ✗  4. Boxing

Question ID : **65497818206**
Chosen Option : **1**