रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Participant ID	Join YouTube Channel
Participant Name	Join YouTube Channel
Test Center Name	iON Digital Zone iDZ 1 Sector 62
Test Date	09/02/2021
Test Time	10:30 AM - 12:00 PM
Subject	NTPC

* Note
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark.

1. Options shown in green color with a tick icon are correct.
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : **NTPC**

Q.1 Which of the following wildlife sanctuaries is located in Goa?

Ans ✔ 1. Bhagwan Mahavir Wildlife Sanctuary

✘ 2. Chinnar Wildlife Sanctuary

✘ 3. Interview Island Wildlife Sanctuary

✘ 4. Dandeli Wildlife Sanctuary

Question ID : **9489116124**
Option 1 ID : **94891124494**
Option 2 ID : **94891124495**
Option 3 ID : **94891124493**
Option 4 ID : **94891124496**
Status : **Answered**
Chosen Option : **1**

Q.2 Where in the body is villi found?

Ans ✔ 1. Small intestine

✘ 2. Liver

✘ 3. Large intestine

✘ 4. Stomach

Question ID : **9489116112**
Option 1 ID : **94891124447**
Option 2 ID : **94891124446**
Option 3 ID : **94891124448**
Option 4 ID : **94891124445**
Status : **Answered**
Chosen Option : **1**

Q.3 By which river is the riverine island Majuli (Assam) formed?

Ans ✔ 1. Brahmaputra

✘ 2. Krishna

✘ 3. Narmada

✘ 4. Kaveri

Question ID : **9489116122**
Option 1 ID : **94891124487**
Option 2 ID : **94891124488**
Option 3 ID : **94891124485**
Option 4 ID : **94891124486**
Status : **Answered**
Chosen Option : **1**

Q.4 Which of the following universities designed and built the first electronic computer (ENIAC)?

Ans ✘ 1. University of Oxford

✘ 2. University of Harvard

✔ 3. University of Pennsylvania

✘ 4. University of Stanford

Question ID : **9489116136**
Option 1 ID : **94891124544**
Option 2 ID : **94891124543**
Option 3 ID : **94891124541**
Option 4 ID : **94891124542**
Status : **Answered**
Chosen Option : **2**

Q.5 Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

Ans
   ✗ 1. Animation

   ✔ 2. Comics

   ✗ 3. Documentaries

   ✗ 4. Movies

Question ID : **9489118895**
Option 1 ID : **94891135579**
Option 2 ID : **94891135577**
Option 3 ID : **94891135580**
Option 4 ID : **94891135578**
Status : **Answered**
Chosen Option : **2**

Q.6 Two men start walking together to a certain destination, one at the speed of 3 km/h and another at the speed of 3.75 km/h. The latter arrives half an hour before the former. The distance is:

Ans
   ✗ 1. 6.7 m

   ✗ 2. 0.7 km

   ✔ 3. 7.5 km

   ✗ 4. 7.0 km

Question ID : **9489116363**
Option 1 ID : **94891125450**
Option 2 ID : **94891125449**
Option 3 ID : **94891125452**
Option 4 ID : **94891125451**
Status : **Marked For Review**
Chosen Option : **3**

Q.7 The Defence Research and Development Organisation (DRDO) was established in:

Ans
   ✗ 1. 1947

   ✗ 2. 1991

   ✔ 3. 1958

   ✗ 4. 1950

Question ID : **9489116131**
Option 1 ID : **94891124521**
Option 2 ID : **94891124523**
Option 3 ID : **94891124524**
Option 4 ID : **94891124522**
Status : **Answered**
Chosen Option : **4**

Q.8 Where was Gautama Buddha born?

Ans
✗ 1. Vaishali

✗ 2. Magadha

✗ 3. Ayodhya

✔ 4. Lumbini

Question ID : **9489116119**
Option 1 ID : **94891124475**
Option 2 ID : **94891124476**
Option 3 ID : **94891124474**
Option 4 ID : **94891124473**
Status : **Answered**
Chosen Option : **4**

Q.9 The difference between a 7% profit and a 6% loss while selling an item is ₹104. What is the cost price of the item?

Ans
✗ 1. ₹780

✗ 2. ₹820

✗ 3. ₹850

✔ 4. ₹800

Question ID : **9489116358**
Option 1 ID : **94891125430**
Option 2 ID : **94891125431**
Option 3 ID : **94891125432**
Option 4 ID : **94891125429**
Status : **Answered**
Chosen Option : **4**

Q.10 A retailer marks all his goods at 50% above the cost price and thinking that he will still make 25% profit, offers a discount of 25% on the marked price. What is his actual profit on the sales?

Ans
✗ 1. 17%

✗ 2. 12.60%

✔ 3. 12.50%

✗ 4. 12%

Question ID : **9489116356**
Option 1 ID : **94891125424**
Option 2 ID : **94891125421**
Option 3 ID : **94891125423**
Option 4 ID : **94891125422**
Status : **Answered**
Chosen Option : **3**

Q.11 When was the World Bank founded?

Ans   ✗ 1. Before the First World War

    ✗ 2. During the First World War

    ✗ 3. After the Second World War

    ✓ 4. During the Second World War

Question ID : **9489116134**
Option 1 ID : **94891124533**
Option 2 ID : **94891124534**
Option 3 ID : **94891124536**
Option 4 ID : **94891124535**
Status : **Answered**
Chosen Option : **3**

Q.12 What will be the amount (in ₹) of annual payment that will discharge a debt of ₹1,025 due in 2 years at the rate of 5% compound interest per annum?

Ans   ✗ 1. 551.60

    ✓ 2. 551.25

    ✗ 3. 549.23

    ✗ 4. 550.0

Question ID : **9489116360**
Option 1 ID : **94891125439**
Option 2 ID : **94891125440**
Option 3 ID : **94891125437**
Option 4 ID : **94891125438**
Status : **Answered**
Chosen Option : **4**

Q.13 Read the given statements and select the option that is the most appropriate explanation for them.

Statements:

A. The prices of motorcycles have increased considerably during the past 2 years.

B. The prices of XYZ laptops have decreased considerably during the past 2 months.

Ans   ✗ 1. Statement B is the cause and statement A is its effect.

    ✓ 2. Both the statements are effects of independent causes.

    ✗ 3. Statement A is the cause and statement B is its effect.

    ✗ 4. Both the statements are independent causes.

Question ID : **9489118881**
Option 1 ID : **94891135522**
Option 2 ID : **94891135523**
Option 3 ID : **94891135521**
Option 4 ID : **94891135524**
Status : **Answered**
Chosen Option : **4**

Q.14 Select the number from among the given options that can replace the question mark (?) in the following series.

16, 2 , 32, 3, 96, 4, ?

Ans

  ✗ 1. 102

  ✗ 2. 6

  ✗ 3. 206

  ✔ 4. 384

Question ID : **9489118899**
Option 1 ID : **94891135593**
Option 2 ID : **94891135594**
Option 3 ID : **94891135595**
Option 4 ID : **94891135596**
Status : **Answered**
Chosen Option : **4**

Q.15 How much of an 80% orange juice drink must be mixed with 36 litres of a 25% orange juice drink to obtain a mixture that has 60% orange juice?

Ans

  ✗ 1. 72 litres

  ✗ 2. 40 litres

  ✔ 3. 63 litres

  ✗ 4. 60 litres

Question ID : **9489116367**
Option 1 ID : **94891125466**
Option 2 ID : **94891125467**
Option 3 ID : **94891125468**
Option 4 ID : **94891125465**
Status : **Answered**
Chosen Option : **3**

Q.16 Who among the following replaced Pahlaj Nihalani as the Chairperson of Central Board of Film Certification?

Ans

  ✗ 1. Anupam Kher

  ✗ 2. Jaya Bachchan

  ✗ 3. Sheila Dikshit

  ✔ 4. Prasoon Joshi

Question ID : **9489116140**
Option 1 ID : **94891124560**
Option 2 ID : **94891124559**
Option 3 ID : **94891124557**
Option 4 ID : **94891124558**
Status : **Answered**
Chosen Option : **4**

Q.17 Select the diagram that best represents the relationship between the given set of classes.

Mammals, Amphibians, Turtles

Ans
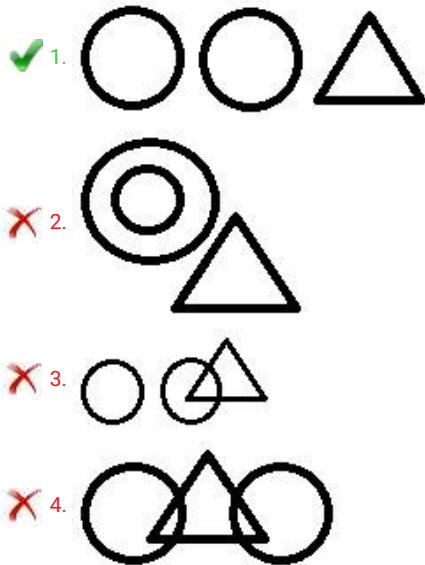
✔ 1.

✘ 2.

✘ 3.

✘ 4.

Q.18 The Wildlife Crime Control Bureau (WCCB) is a statutory multi-disciplinary body under the Ministry of Environment, Forest and Climate Change (MoEF&CC). Its headquarters is in:

Ans ✔ 1. New Delhi

✘ 2. Kolkata

✘ 3. Patna

✘ 4. Hyderabad

Q.19 The dimensions of an ice compartment in a refrigerator 8cm × 5 cm × 4 cm. How many ice cubes will it hold, if each ice cube is 2 cm on its edge?

Ans
 ✗ 1. 40
 ✗ 2. 80
 ✔ 3. 20
 ✗ 4. 24

Question ID : **9489116364**
Option 1 ID : **94891125453**
Option 2 ID : **94891125455**
Option 3 ID : **94891125454**
Option 4 ID : **94891125456**
Status : **Answered**
Chosen Option : **3**

Q.20 When 40 is subtracted from a number, it reduces to its 60%. What is the number?

Ans
 ✗ 1. 200
 ✔ 2. 100
 ✗ 3. 160
 ✗ 4. 130

Question ID : **9489116355**
Option 1 ID : **94891125418**
Option 2 ID : **94891125419**
Option 3 ID : **94891125420**
Option 4 ID : **94891125417**
Status : **Answered**
Chosen Option : **2**

Q.21 Where is the headquarters of Oil and Natural Gas Corporation located in India?

Ans
 ✗ 1. Rajasthan
 ✗ 2. Mumbai
 ✗ 3. Jharkhand
 ✔ 4. Uttarakhand

Question ID : **9489116143**
Option 1 ID : **94891124570**
Option 2 ID : **94891124569**
Option 3 ID : **94891124571**
Option 4 ID : **94891124572**
Status : **Answered**
Chosen Option : **2**

Q.22 Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

Ans
  ✗ 1. 11
  ✗ 2. 18
  ✗ 3. 7
  ✔ 4. 6
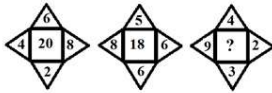
Q.23 What is the full form of PDF in the context of file formats?

Ans
  ✔ 1. Portable Document Format
  ✗ 2. Prefixed Detachable Format
  ✗ 3. Picture Disc Format
  ✗ 4. Processing Digital File

Q.24 Zaman and Saman are brothers who have a single parent, Sochio. Sochio is brother to Daman, whose mother has an only brother named Sher. Daman is the paternal aunt of Zaman. Sher has only one nephew and one niece. What is the name of Sher's nephew?

Ans
  ✗ 1. Daman
  ✗ 2. Zaman
  ✗ 3. Saman
  ✔ 4. Sochio

Q.25 The angle formed by the pages of a fully open book, with just few pages, is theoretically:

Ans

✖ 1. Right angle

✔ 2. Straight angle

✖ 3. Obtuse angle

✖ 4. Acute angle

Question ID : **9489116371**
Option 1 ID : **94891125483**
Option 2 ID : **94891125484**
Option 3 ID : **94891125482**
Option 4 ID : **94891125481**
Status : **Answered**
Chosen Option : **3**

Q.26 A tyre has two punctures. The first puncture alone would have made the tyre flat in 9 min and the second alone would have done it in 6 min. If air leaks out at a constant rate, how long will it take both the punctures together to make the tyre flat?

Ans

✖ 1. $1\frac{1}{2}$ min

✖ 2. $3\frac{1}{2}$ min

✔ 3. $3\frac{3}{5}$ min

✖ 4. $4\frac{1}{4}$ min

Question ID : **9489116365**
Option 1 ID : **94891125457**
Option 2 ID : **94891125458**
Option 3 ID : **94891125459**
Option 4 ID : **94891125460**
Status : **Answered**
Chosen Option : **3**

Q.27 Consider the following statements and decide which of them is/are correct.

1) Every prime is odd.

2) Product of any two prime numbers is odd.

Ans
✗ 1. 1 and 2
✗ 2. 2 alone
✓ 3. Neither 1 nor 2
✗ 4. 1 alone

Question ID : **9489116350**
Option 1 ID : **94891125399**
Option 2 ID : **94891125398**
Option 3 ID : **94891125400**
Option 4 ID : **94891125397**
Status : **Answered**
Chosen Option : **3**

Q.28 The temple at Elephanta Caves located near Mumbai is dedicated to _____.

Ans
✗ 1. Goddess Kali
✗ 2. Lord Krishna
✗ 3. Lord Vishnu
✓ 4. Lord Shiva

Question ID : **9489116108**
Option 1 ID : **94891124431**
Option 2 ID : **94891124429**
Option 3 ID : **94891124432**
Option 4 ID : **94891124430**
Status : **Answered**
Chosen Option : **4**

Q.29 How many editions of the Indian Premier League (IPL) T20 Cricket tournament have been held till 2020?

Ans
✗ 1. 08
✗ 2. 11
✗ 3. 09
✓ 4. 13

Question ID : **9489116104**
Option 1 ID : **94891124415**
Option 2 ID : **94891124413**
Option 3 ID : **94891124414**
Option 4 ID : **94891124416**
Status : **Answered**
Chosen Option : **3**

Q.30 The South Indian counterpart of the North Indian instrument 'Nagada' is:

Ans ✔ 1. Chenda

✘ 2. Been

✘ 3. Uddukai

✘ 4. Damru

Question ID : **9489116109**
Option 1 ID : **94891124434**
Option 2 ID : **94891124436**
Option 3 ID : **94891124435**
Option 4 ID : **94891124433**
Status : **Answered**
Chosen Option : **3**

Q.31 In which place did Shah Mal lead the revolt in 1857?

Ans ✘ 1. Hisar

✘ 2. Bhiwani

✔ 3. Baraut

✘ 4. Rohtak

Question ID : **9489116121**
Option 1 ID : **94891124484**
Option 2 ID : **94891124483**
Option 3 ID : **94891124481**
Option 4 ID : **94891124482**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.32 Solve the following.

$$\left(\tfrac{1}{5}x - \tfrac{1}{6}y\right)(5x + 6y) = ?$$

Ans ✔ 1. $x^2 + \dfrac{11xy}{30} - y^2$

✘ 2. $x + \dfrac{11xy}{30} - y^2$

✘ 3. $x^2 + \dfrac{11xy}{30} - y$

✘ 4. y^2

Question ID : **9489116366**
Option 1 ID : **94891125461**
Option 2 ID : **94891125463**
Option 3 ID : **94891125462**
Option 4 ID : **94891125464**
Status : **Answered**
Chosen Option : **3**

Q.33 Which organic compounds have suffix 'al'?

Ans
✔ 1. Aldehydes
✘ 2. Alcohols
✘ 3. Alkalenes
✘ 4. Alkynes

Question ID : **9489116116**
Option 1 ID : **94891124463**
Option 2 ID : **94891124462**
Option 3 ID : **94891124461**
Option 4 ID : **94891124464**
Status : **Answered**
Chosen Option : **1**

Q.34 Three numbers are in the ratio 1 : 2 : 3 and their HCF is 12. The respective numbers are:

Ans
✔ 1. 12, 24, 36
✘ 2. 12, 34, 36
✘ 3. 10, 12, 36
✘ 4. 12, 36, 48

Question ID : **9489116346**
Option 1 ID : **94891125384**
Option 2 ID : **94891125383**
Option 3 ID : **94891125381**
Option 4 ID : **94891125382**
Status : **Answered**
Chosen Option : **1**

Q.35 Select the option that is related to the third term in the same way as the second term is related to the first term.

King : Palace :: Convict : ?

Ans
✘ 1. Caravan
✔ 2. Prison
✘ 3. Stable
✘ 4. Kennel

Question ID : **9489118880**
Option 1 ID : **94891135520**
Option 2 ID : **94891135518**
Option 3 ID : **94891135519**
Option 4 ID : **94891135517**
Status : **Answered**
Chosen Option : **2**

Q.36 If a carton containing a dozen mirrors is dropped, which of the following can be the ratio of number of broken mirrors to unbroken mirrors?

Ans
✗ 1. 3 : 7
✗ 2. 3 : 2
✗ 3. 4 : 7
✓ 4. 5 : 1

Question ID : **9489116357**
Option 1 ID : **94891125427**
Option 2 ID : **94891125426**
Option 3 ID : **94891125425**
Option 4 ID : **94891125428**
Status : **Answered**
Chosen Option : **4**

Q.37 What was the Indira Gandhi Canal Command Area previously called as?

Ans
✗ 1. Punjab Canal
✓ 2. Rajasthan Canal
✗ 3. Haryana Canal
✗ 4. Gujarat Canal

Question ID : **9489116142**
Option 1 ID : **94891124566**
Option 2 ID : **94891124565**
Option 3 ID : **94891124567**
Option 4 ID : **94891124568**
Status : **Answered**
Chosen Option : **2**

Q.38 What is the name of the Indian Air Force's Wing Commander who was captured and later released by Pakistani forces in 2019?

Ans
✗ 1. Ashutosh Varthaman
✗ 2. Ayushman Varthaman
✗ 3. Anjuman Varthaman
✓ 4. Abhinandan Varthaman

Question ID : **9489116106**
Option 1 ID : **94891124423**
Option 2 ID : **94891124422**
Option 3 ID : **94891124421**
Option 4 ID : **94891124424**
Status : **Answered**
Chosen Option : **4**

Q.39 Who founded the famous Vikramashila University in the 9th century?

Ans
✔ 1. Dharmapala
✘ 2. Ballalasena
✘ 3. Gopala
✘ 4. Samantasena

Question ID : **9489116120**
Option 1 ID : **94891124477**
Option 2 ID : **94891124480**
Option 3 ID : **94891124478**
Option 4 ID : **94891124479**
Status : **Answered**
Chosen Option : **1**

Q.40 A shopkeeper cheats to the extent of 10% while buying as well as while selling. While he was eventually caught and punished, at what percent was he gaining till then?

Ans
✔ 1. 21 %
✘ 2. 34 %
✘ 3. $21\frac{1}{2}$ %
✘ 4. 20 %

Question ID : **9489116359**
Option 1 ID : **94891125434**
Option 2 ID : **94891125436**
Option 3 ID : **94891125433**
Option 4 ID : **94891125435**
Status : **Answered**
Chosen Option : **1**

Q.41 An Army General wishes to arrange his 40125 soldiers in rows and columns in the form of a square. After arranging them, he found that some of them are left out. How many soldiers are left out?

Ans
✘ 1. 175
✔ 2. 125
✘ 3. 200
✘ 4. 150

Question ID : **9489116348**
Option 1 ID : **94891125392**
Option 2 ID : **94891125389**
Option 3 ID : **94891125390**
Option 4 ID : **94891125391**
Status : **Answered**
Chosen Option : **2**

Q.42 Simplification of $\frac{0.2 \times 0.2 + 0.02 \times 0.02 - 0.4 \times 0.02}{0.36}$ gives:

Ans
✗ 1. 2
✔ 2. 0.09
✗ 3. 3.195
✗ 4. 2.199

Q.43 Which of the following statement(s) is/are true.

1) Every whole number is a natural number.

2) Every integer is a rational number.

3) Every rational number is an integer.

Ans
✗ 1. Both, 2 and 3
✔ 2. 2
✗ 3. 3
✗ 4. 1

Q.44 The value of

$$\cos(sec^{-1}x + cosec^{-1}x), |x| \geq 1 \text{ is:}$$

Ans ✔ 1. 0

✗ 2. 2

✗ 3. ±1

✗ 4. 1

Q.45 How many members are there in the Security Council of the UN as of October 2020?

Ans ✔ 1. 5 permanent members and 10 non-permanent members

✗ 2. 5 permanent members and 5 non-permanent members

✗ 3. 5 permanent members only

✗ 4. 10 permanent members and 5 non-permanent members

Q.46 If X is Y's sister, Z is Y's mother, A is Z's father and B is A's mother, then how is X related to A?

Ans ✗ 1. Daughter

✔ 2. Daughter's Daughter

✗ 3. Father's Mother

✗ 4. Mother's Sister

Q.47 Two-fifth of one-fourth of three-seventh of a number is 15. What is the half of that number?

Ans ✔ 1. 175

✘ 2. 300

✘ 3. 170

✘ 4. 375

Question ID : **9489116344**
Option 1 ID : **94891125374**
Option 2 ID : **94891125373**
Option 3 ID : **94891125376**
Option 4 ID : **94891125375**
Status : **Answered**
Chosen Option : **1**

Q.48 In a five digit number, the digit in the hundred's place is 2 and the digit in the unit's place is twice the digit in the hundred's place. The number has no thousands. The digit in the ten thousand's place is the sum of the digit in the hundred's place and the digit in the unit's place. The digit in the ten's place is the digit in the ten thousand's place minus 1. The number is:

Ans ✔ 1. 60254

✘ 2. 60264

✘ 3. 60234

✘ 4. 60224

Question ID : **9489116349**
Option 1 ID : **94891125394**
Option 2 ID : **94891125396**
Option 3 ID : **94891125395**
Option 4 ID : **94891125393**
Status : **Answered**
Chosen Option : **2**

Q.49 A is 50% as efficient as B. C completes half of the task completed by A and B together in a day. If C alone completes the task in 40 days, then A, B and C together can complete the task in:

Ans ✔ 1. $13\frac{1}{3}$ days

✘ 2. 13 days

✘ 3. $\frac{43}{3}$ days

✘ 4. $\frac{1}{3}$ days

Question ID : **9489116361**
Option 1 ID : **94891125443**
Option 2 ID : **94891125441**
Option 3 ID : **94891125442**
Option 4 ID : **94891125444**
Status : **Answered**
Chosen Option : **1**

Q.50 A train is moving at a uniform speed of 75 km /h. Find the time required by the train to cover a distance of 250 km.

Ans ✗ 1. 3 h 5 min

✗ 2. 3 h

✗ 3. 2 h

✓ 4. 3 h 20 min

Question ID : **9489116362**
Option 1 ID : **94891125448**
Option 2 ID : **94891125445**
Option 3 ID : **94891125446**
Option 4 ID : **94891125447**
Status : **Answered**
Chosen Option : **4**

Q.51 Find the principal value of $sin^{-1}\left(\frac{1}{\sqrt{2}}\right)$.

Ans ✗ 1. π

✓ 2. $\frac{\pi}{4}$

✗ 3. 0

✗ 4. $\frac{\pi}{2}$

Question ID : **9489116373**
Option 1 ID : **94891125490**
Option 2 ID : **94891125489**
Option 3 ID : **94891125492**
Option 4 ID : **94891125491**
Status : **Answered**
Chosen Option : **2**

Q.52 Which of the following government Company manages steel plants in India?

Ans ✗ 1. GAIL

✗ 2. HSL

✓ 3. SAIL

✗ 4. DVC

Question ID : **9489116141**
Option 1 ID : **94891124561**
Option 2 ID : **94891124563**
Option 3 ID : **94891124562**
Option 4 ID : **94891124564**
Status : **Answered**
Chosen Option : **3**

Q.53 As per Census 2001 report, from which country does India receive most number of migrants?

Ans ✗ 1. Pakistan

✔ 2. Bangladesh

✗ 3. China

✗ 4. Nepal

Question ID : **9489116125**
Option 1 ID : **94891124499**
Option 2 ID : **94891124497**
Option 3 ID : **94891124500**
Option 4 ID : **94891124498**
Status : **Answered**
Chosen Option : **2**

Q.54 Who developed the concept of 'human development'?

Ans ✗ 1. Charles Darwin

✗ 2. Dalai Lama

✔ 3. Mahbub-ul-Haq

✗ 4. Amartya Sen

Question ID : **9489116123**
Option 1 ID : **94891124489**
Option 2 ID : **94891124491**
Option 3 ID : **94891124492**
Option 4 ID : **94891124490**
Status : **Answered**
Chosen Option : **1**

Q.55 India is an associate member of _____.

Ans ✗ 1. ASEAN

✗ 2. NAFTA

✔ 3. SAFTA

✗ 4. LAIA

Question ID : **9489116126**
Option 1 ID : **94891124501**
Option 2 ID : **94891124504**
Option 3 ID : **94891124503**
Option 4 ID : **94891124502**
Status : **Answered**
Chosen Option : **1**

Q.56 The researchers at which of the following institutes have designed and booted up India's first indigenously-developed microprocessor that can be used in mobile computing devices?

Ans ✗ 1. IIT Delhi

✗ 2. IIT Kanpur

✔ 3. IIT Madras

✗ 4. IIT Roorkee

Question ID : **9489116130**
Option 1 ID : **94891124520**
Option 2 ID : **94891124518**
Option 3 ID : **94891124517**
Option 4 ID : **94891124519**
Status : **Answered**
Chosen Option : **3**

Q.57 Which port city is called the 'Queen of Arabian Sea'?

Ans ✗ 1. Chennai

✗ 2. Mumbai

✗ 3. Kolkata

✔ 4. Kochi

Question ID : **9489116139**
Option 1 ID : **94891124553**
Option 2 ID : **94891124555**
Option 3 ID : **94891124554**
Option 4 ID : **94891124556**
Status : **Answered**
Chosen Option : **4**

Q.58 The ratio of the velocities of the hour hand and minute hand of a clock is:

Ans ✗ 1. 1 : 1

✔ 2. 1 : 12

✗ 3. 5 : 1

✗ 4. 12 : 1

Question ID : **9489116354**
Option 1 ID : **94891125414**
Option 2 ID : **94891125413**
Option 3 ID : **94891125415**
Option 4 ID : **94891125416**
Status : **Answered**
Chosen Option : **2**

Q.59 When was the Indian National Science Academy (NSA) established?

Ans
- ✗ 1. October 1950
- ✗ 2. December 1960
- ✔ 3. January 1935
- ✗ 4. July 1947

Question ID : **9489116132**
Option 1 ID : **94891124525**
Option 2 ID : **94891124528**
Option 3 ID : **94891124526**
Option 4 ID : **94891124527**
Status : **Marked For Review**
Chosen Option : **2**

Q.60 Study the given pattern carefully and select the number from the given options that can replace the question mark (?) in it.

21 / 7 6   12 / 3 8   ? / 7 2

Ans
- ✗ 1. 9
- ✔ 2. 7
- ✗ 3. 31
- ✗ 4. 14

Question ID : **9489118883**
Option 1 ID : **94891135532**
Option 2 ID : **94891135530**
Option 3 ID : **94891135529**
Option 4 ID : **94891135531**
Status : **Answered**
Chosen Option : **2**

Q.61 What is the sum of the angle complementary to 15° and the angle supplementary to 125°?

Ans
- ✗ 1. 150°
- ✗ 2. 120°
- ✔ 3. 130°
- ✗ 4. 135°

Question ID : **9489116370**
Option 1 ID : **94891125480**
Option 2 ID : **94891125477**
Option 3 ID : **94891125478**
Option 4 ID : **94891125479**
Status : **Answered**
Chosen Option : **3**

Q.62 In the context of computing, which among the following is the correct order?

Ans
- ✔ 1. TB>GB>MB>KB
- ✘ 2. GB>TB>MB>KB
- ✘ 3. MB>GB>TB>KB
- ✘ 4. TB>KB>MB>GB

Question ID : **9489116137**
Option 1 ID : **94891124548**
Option 2 ID : **94891124547**
Option 3 ID : **94891124545**
Option 4 ID : **94891124546**
Status : **Answered**
Chosen Option : **1**

Q.63 The phenomenon of 'dispersion of light' into its seven constituent colours was discovered by _____ in 1666.

Ans
- ✘ 1. Archimedes
- ✔ 2. Isaac Newton
- ✘ 3. Henry Moseley
- ✘ 4. Mendeleev

Question ID : **9489116115**
Option 1 ID : **94891124460**
Option 2 ID : **94891124458**
Option 3 ID : **94891124457**
Option 4 ID : **94891124459**
Status : **Marked For Review**
Chosen Option : **1**

Q.64 The least number by which 294 must be multiplied to make it a perfect square, is:

Ans
- ✘ 1. 1
- ✘ 2. 3
- ✘ 3. 4
- ✔ 4. 6

Question ID : **9489116347**
Option 1 ID : **94891125388**
Option 2 ID : **94891125385**
Option 3 ID : **94891125387**
Option 4 ID : **94891125386**
Status : **Answered**
Chosen Option : **4**

Q.65 Find the least number that must be added to 1300 so as to get a perfect square.

Ans
   ✗ 1. 96
   ✗ 2. 63
   ✗ 3. 36
   ✔ 4. 69

Question ID : **9489116351**
Option 1 ID : **94891125401**
Option 2 ID : **94891125403**
Option 3 ID : **94891125402**
Option 4 ID : **94891125404**
Status : **Answered**
Chosen Option : **4**

Q.66 What is the value of the digits A and B?

$BA \times B3 = 57A$

Ans
   ✔ 1. A = 5, B = 2
   ✗ 2. A = 5, B = 3
   ✗ 3. A = 3, B = 5
   ✗ 4. A = 2, B = 4

Question ID : **9489116352**
Option 1 ID : **94891125405**
Option 2 ID : **94891125408**
Option 3 ID : **94891125407**
Option 4 ID : **94891125406**
Status : **Answered**
Chosen Option : **1**

Q.67 Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.
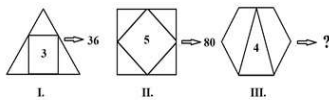
Ans
   ✗ 1. 24
   ✔ 2. 72
   ✗ 3. 90
   ✗ 4. 100

Question ID : **9489118902**
Option 1 ID : **94891135608**
Option 2 ID : **94891135605**
Option 3 ID : **94891135607**
Option 4 ID : **94891135606**
Status : **Answered**
Chosen Option : **2**

Q.68 In a certain code, DUFUDFDD is written as FUDFDDDU. How will COCACOCA be written as in that code?

Ans ✔ 1. CACOCACO

✘ 2. ACOCACOC

✘ 3. COCOCACA

✘ 4. AOCACOCC

Question ID : **9489118874**
Option 1 ID : **94891135495**
Option 2 ID : **94891135494**
Option 3 ID : **94891135493**
Option 4 ID : **94891135496**
Status : **Answered**
Chosen Option : **1**

Q.69 Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

All leaves are in plant.

All plants are in garden.

Conclusions:

1. All gardens have leaves.

2. All garden have plant.

Ans ✔ 1. Both conclusions 1 and 2 follow

✘ 2. Only Conclusion 2 follows

✘ 3. Only Conclusion 1 follows

✘ 4. Neither conclusions 1 nor 2 follows

Question ID : **9489118901**
Option 1 ID : **94891135603**
Option 2 ID : **94891135602**
Option 3 ID : **94891135601**
Option 4 ID : **94891135604**
Status : **Answered**
Chosen Option : **1**

Q.70 Name the plant from which the anti-malarial drug Quinine is extracted.

Ans ✘ 1. Eucalyptus

✘ 2. Dandelion

✘ 3. Basil

✔ 4. Cinchona

Question ID : **9489116113**
Option 1 ID : **94891124449**
Option 2 ID : **94891124450**
Option 3 ID : **94891124451**
Option 4 ID : **94891124452**
Status : **Marked For Review**
Chosen Option : **1**

Q.71 Which monarchy had the coronation ceremony of their king Maha Vajiralongkorn in May 2019?

Ans ✗ 1. Cambodia

✗ 2. Bhutan

✓ 3. Thailand

✗ 4. Tonga

Question ID : **9489116105**
Option 1 ID : **94891124418**
Option 2 ID : **94891124417**
Option 3 ID : **94891124419**
Option 4 ID : **94891124420**
Status : **Not Answered**
Chosen Option : **--**
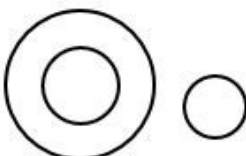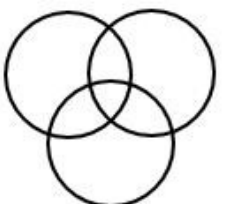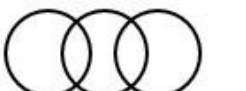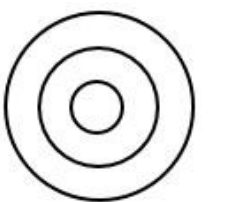
Q.72 Select the Venn diagram that best represents the relationship between the given set of classes.

Magazines, Movies, Books

Ans

✓ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **9489118896**
Option 1 ID : **94891135584**
Option 2 ID : **94891135583**
Option 3 ID : **94891135581**
Option 4 ID : **94891135582**
Status : **Answered**
Chosen Option : **1**

Q.73 Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

Ans
❌ 1. 520
❌ 2. 250
✅ 3. 77
❌ 4. 126
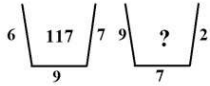
Q.74 Which traveller and scholar wrote 'Kitab-ul-Hind'?

Ans
❌ 1. Ibn Battuta
✅ 2. Al Biruni
❌ 3. Seydi Ali Reis
❌ 4. Duarte Barbosa

Q.75 In a certain code, OQIOIQOQQIOQ is written as OIQOQQIOQOQI. How will EFKFKEKEFFEK be written as in that code?

Ans
❌ 1. KFKEKEFFEKEF
✅ 2. FKEKEFFEKEFK
❌ 3. EFKFKEKEFFEK
❌ 4. KEKEFFEKEFKF

Q.76 Who was the first General Secretary of the Indian National Congress?

Ans ✗ 1. Mahatma Gandhi

✓ 2. AO Hume

✗ 3. WC Banerjee

✗ 4. Gopal Krishna Gokhale

Q.77 In triangle ABC, $\angle A$ is 12° more than the measure of $\angle C$. The measure of $\angle B$ is 4 times as great as the measure of $\angle C$. What are the measures of the angles A, B and C respectively?

Ans ✗ 1. $40°, 112°, 18°$

✓ 2. $40°, 112°, 28°$

✗ 3. $35°, 92°, 23°$

✗ 4. $40°, 120°, 28°$

Q.78 For the data set 1, 2, 3, 5, 2, 3, 4, 6, 6, 8, 3, 4, 5 which of the following options is INCORRECT?

Ans ✗ 1. Median > Mode

✗ 2. Mean = Median

✗ 3. Mode < Mean

✓ 4. Mean = Mode

Q.79 Which country has the longest written constitution in the world?

Ans ✗ 1. England

✗ 2. America

✓ 3. India

✗ 4. France

Question ID : **9489116128**
Option 1 ID : **94891124510**
Option 2 ID : **94891124509**
Option 3 ID : **94891124512**
Option 4 ID : **94891124511**
Status : **Answered**
Chosen Option : **3**

Q.80 How many moons does planet Mars have as of October 2020?

Ans ✗ 1. Nine

✓ 2. Two

✗ 3. Five

✗ 4. Six

Question ID : **9489116111**
Option 1 ID : **94891124443**
Option 2 ID : **94891124444**
Option 3 ID : **94891124441**
Option 4 ID : **94891124442**
Status : **Answered**
Chosen Option : **2**

Q.81 Which of the following Articles of the Constitution of India provides provisions for a joint sitting of both Houses of Parliament?

Ans ✗ 1. Article 118

✗ 2. Article 129

✓ 3. Article 108

✗ 4. Article 164

Question ID : **9489116129**
Option 1 ID : **94891124513**
Option 2 ID : **94891124514**
Option 3 ID : **94891124516**
Option 4 ID : **94891124515**
Status : **Marked For Review**
Chosen Option : **1**

Q.82 When was the Indian Constitution adopted?

Ans

✔ 1. On 26th November 1949

✘ 2. On 26th November 1946

✘ 3. On 26th January 1950

✘ 4. On 26th January 1947

Question ID : **9489116127**
Option 1 ID : **94891124506**
Option 2 ID : **94891124505**
Option 3 ID : **94891124508**
Option 4 ID : **94891124507**
Status : **Answered**
Chosen Option : **1**

Q.83 The famous explorer _____ wanted to come to India, but instead landed on the shores of America.

Ans

✔ 1. Christopher Columbus

✘ 2. Vasco de Gama

✘ 3. Alexander

✘ 4. Genghis Khan

Question ID : **9489116118**
Option 1 ID : **94891124472**
Option 2 ID : **94891124469**
Option 3 ID : **94891124471**
Option 4 ID : **94891124470**
Status : **Answered**
Chosen Option : **1**

Q.84 Which supersonic cruise missile is named after the Indian river Brahmaputra and the Russian river Moskva?

Ans

✘ 1. Mosputra

✘ 2. Mosbrahma

✘ 3. Putramos

✔ 4. BrahMos

Question ID : **9489116107**
Option 1 ID : **94891124425**
Option 2 ID : **94891124427**
Option 3 ID : **94891124426**
Option 4 ID : **94891124428**
Status : **Answered**
Chosen Option : **4**

Q.85 Which level of classification of organisms comes between 'Family' and 'Species'?

Ans ✔ 1. Genus

✘ 2. Phylum

✘ 3. Order

✘ 4. Class

Q.86 Study the following graph carefully and answer the given question.

Production of two companies, A and B, over 5 years
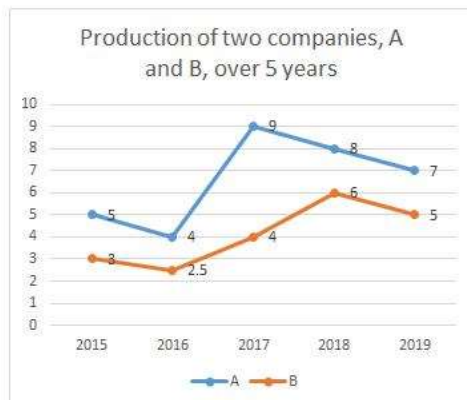
For company A, what is the percentage decrease in the production from 2015 to 2016?

Ans ✘ 1. 50%

✘ 2. 15%

✘ 3. 25%

✔ 4. 20%

Q.87 The following pie chart shows the number of people of various occupation in terms of percentage from different states of India.
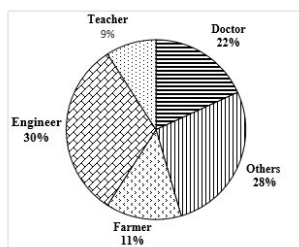
For the farmer sector, what is the approximate measure of the central angle?

Ans ✗ 1. 35°

✗ 2. 25°

✗ 3. 30°

✔ 4. 40°

Question ID : **9489118890**
Option 1 ID : **94891135558**
Option 2 ID : **94891135559**
Option 3 ID : **94891135560**
Option 4 ID : **94891135557**
Status : **Answered**
Chosen Option : **4**

Q.88 The given bar graph shows the total number of handbags (in lakhs) from five different branches of a company, B1, B2, B3, B4 and B5, produced in 2015 and 2016. Study the graph carefully and answer the following question.
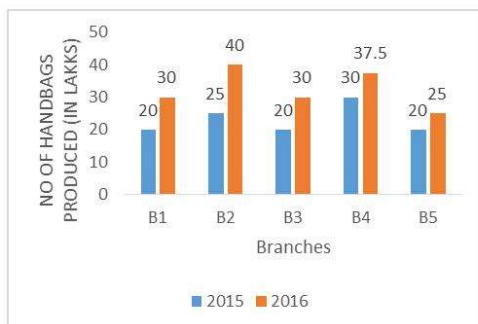
In which branch was the production of handbags in 2016 nearest to the average of the total production of handbags across all branches for that year?

Ans ✗ 1. Only B4

✔ 2. B1 and B3

✗ 3. B3 and B5

✗ 4. B2 and B5

Question ID : **9489118891**
Option 1 ID : **94891135564**
Option 2 ID : **94891135561**
Option 3 ID : **94891135562**
Option 4 ID : **94891135563**
Status : **Answered**
Chosen Option : **2**

Q.89 The following bar graph shows the sales of bicycle (in thousand numbers) from five different shops, A, B, C, D and E, in 2017 and 2018.
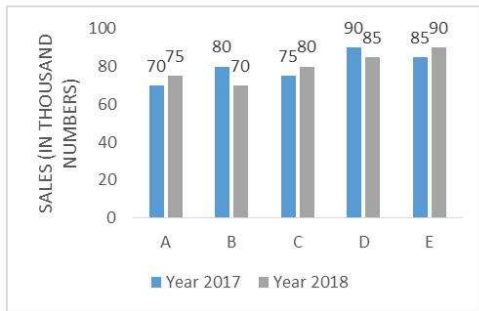
What is the ratio of the total sales of shop C for both the years to the total sales of shop E for both the years?

Ans
✗ 1. 29 : 31
✗ 2. 35 : 31
✔ 3. 31 : 35
✗ 4. 4 : 5

Q.90 Read the given events and select the option that is the most appropriate explanation for them.

Events:

A: Suraj died on his way to office.
B: Suraj had been feeling depressed since a month regarding the loss of his spouse.

Ans
✗ 1.
Event A is the effect and event B is its immediate and principal cause.

✔ 2.
Event A is an effect but event B is not its immediate and principal cause.

✗ 3.
Event B is an effect but event A is not its immediate and principal cause.

✗ 4.
Event A is the immediate and principal cause and event B is its effect.

Q.91 If 35 out of 40 people are Tamil speakers, then which of the following figures best depicts Tamil speakers?

Ans
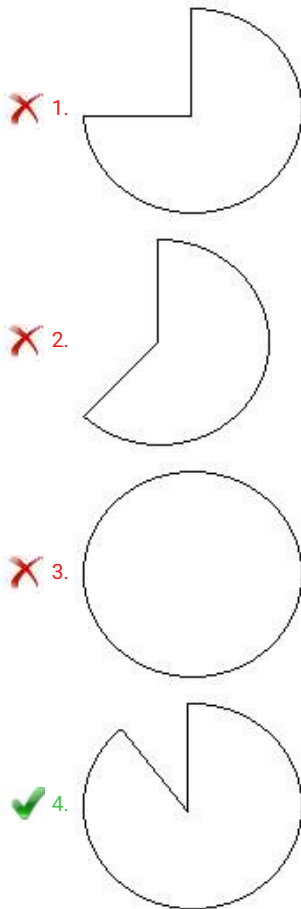
✘ 1.

✘ 2.

✘ 3.

✔ 4.

Q.92 Select the option that is related to the third term in the same way as the second term is related to the first term.

R K Narayan : Novel : : R K Laxman: ?

Ans ✔ 1. Cartoon

✘ 2. Advertising

✘ 3. Comics

✘ 4. Art

Q.93 Study the given pattern carefully and select the numbers that can replace the question marks (?) in it.

▭ , ◺ ⇒ 20 , 18

⬠ , ◇ ⇒ 25 , 24

⬡ , △ ⇒ ? , ?

Ans ✔ 1. 30, 18

✗ 2. 40, 42

✗ 3. 18, 10

✗ 4. 30, 29

Question ID : **9489118903**
Option 1 ID : **94891135611**
Option 2 ID : **94891135612**
Option 3 ID : **94891135610**
Option 4 ID : **94891135609**
Status : **Answered**
Chosen Option : **1**

Q.94 Select the option that is related to the third term in the same way as the second term is related to the first term.

Nepal : Cow : : India : ?

Ans ✔ 1. Tiger

✗ 2. Peacock

✗ 3. Lion

✗ 4. Rhinoceros

Question ID : **9489118879**
Option 1 ID : **94891135516**
Option 2 ID : **94891135513**
Option 3 ID : **94891135515**
Option 4 ID : **94891135514**
Status : **Answered**
Chosen Option : **1**

Q.95 Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

Ans ✗ 1. Mouth Organ

✗ 2. Flute

✔ 3. Violin

✗ 4. Saxophone

Question ID : **9489118894**
Option 1 ID : **94891135575**
Option 2 ID : **94891135576**
Option 3 ID : **94891135573**
Option 4 ID : **94891135574**
Status : **Answered**
Chosen Option : **3**

Q.96 If '+' stands for 'division', '−' stands for 'addition', '×' stands for 'subtraction' and '/' stands for 'multiplication', then what will be the value of the following expression?

$[\{(15 \times 10) - (3/5)\} + (12 - 8)]/1$

Ans
- ✔ 1. 1
- ✘ 2. 0
- ✘ 3. 10
- ✘ 4. 2

Question ID : **9489118887**
Option 1 ID : **94891135545**
Option 2 ID : **94891135547**
Option 3 ID : **94891135548**
Option 4 ID : **94891135546**
Status : **Answered**
Chosen Option : **3**

Q.97 Four letter-pairs have been given, out of which three are alike in some manner and one is different. Select the odd one.

Ans
- ✔ 1. U-Z
- ✘ 2. T-X
- ✘ 3. L-P
- ✘ 4. A-E

Question ID : **9489118893**
Option 1 ID : **94891135570**
Option 2 ID : **94891135572**
Option 3 ID : **94891135571**
Option 4 ID : **94891135569**
Status : **Answered**
Chosen Option : **1**

Q.98 Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

I. $\Rightarrow$ $6\{(3+p)+(4+q)+(4+r)\}$

II. $\Rightarrow$ $5\{(4+3)+(3+2)+(5+5)\} = 110$

III. $\Rightarrow$?
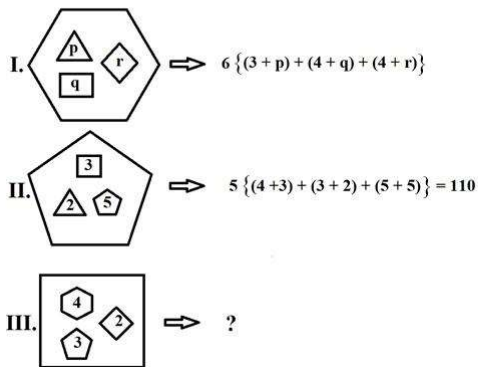
Ans
  ✗ 1. 29
  ✗ 2. 120
  ✔ 3. 96
  ✗ 4. 100

Question ID : 9489118900
Option 1 ID : 94891135599
Option 2 ID : 94891135597
Option 3 ID : 94891135600
Option 4 ID : 94891135598
Status : Answered
Chosen Option : 3

Q.99 Select the term that does NOT belong to the following series.

3DT, 7GS, 11PS, 15MQ, 19PP

Ans
  ✗ 1. 7GS
  ✗ 2. 19PP
  ✔ 3. 11PS
  ✗ 4. 15MQ

Question ID : 9489118888
Option 1 ID : 94891135550
Option 2 ID : 94891135552
Option 3 ID : 94891135551
Option 4 ID : 94891135549
Status : Answered
Chosen Option : 2

Q.100 Select the number that does NOT belong to the following series.

5, 11, 24, 53, 106, 217

Ans
- ✗ 1. 106
- ✗ 2. 11
- ✗ 3. 5
- ✓ 4. 53

Question ID : **9489118886**
Option 1 ID : **94891135543**
Option 2 ID : **94891135541**
Option 3 ID : **94891135544**
Option 4 ID : **94891135542**
Status : **Answered**
Chosen Option : **4**