# RAILWAY RECRUITMENT BOARDS
## रेलवे भर्ती बोर्ड

## RRB NTPC 11th April 2016 Shift 1

| | |
|---|---|
| Roll No: | |
| Participants Name: | |
| Test Center Name: | |
| Test Date: | 11/04/2016 |
| Test Time: | 9:00 AM - 10:30 AM |
| Subject: | RRB NTPC Graduate |

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

**Q.1** Read the statements and select a conclusion from the given alternatives:

**Statements:**

All Apples are leaves. Some leaves are lemons. No lemon is house.

**Conclusions:**

I. Some houses are Apples

II. Some lemons are Apples

III. No house is Apple

    A. Only I follows

    B. Only II follows

    C. Only III follows

    D. either I or III follows

Question ID : **2055232458**
Status : **Answered**
Chosen Option : **1**

**Ans** 1. D

    2. B

    3. C

    4. A

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

**Q.2** In a certain code, TRIPPLE is written as SQHOOKD. How is EXOTIC coded in that code?

    A. DWNHSB

    B. DNWHSB

    C. DWNSHB

    D. DNWSHB

Question ID : **2055232439**
Status : **Answered**
Chosen Option : **4**

**Ans** ✘ 1. D

    ✘ 2. B

    ✔ 3. C

    ✘ 4. A

**Q.3** X-Rays, which are now used on a day to day basis for diagnosis in medicine, was discovered by?

    A. Wilhelm Rontgen

    B. Niels Bohr

    C. Ernest Rutherford

    D. Max Bon

Question ID : **2055232377**
Status : **Answered**
Chosen Option : **4**

**Ans** ✘ 1. B

    ✘ 2. D

    ✔ 3. A

    ✘ 4. C

**Q.4** Which company has been associated with the development of Post-It and Scotch Tape?

A. Johnson and Johnson
B. 3M
C. Unilever
D. Amazon

**Ans** ✗ 1. C

✗ 2. A

✓ 3. B

✗ 4. D

**Q.5** Simplify $5x(x+2)+4x$.

A. $5x^2+10$

B. $9x+10$

C. $5x^2-14x$

D. $5x^2+14x$

**Ans** ✗ 1. B

✗ 2. A

✗ 3. C

✓ 4. D

**Q.6** In a computer, what is the name of the high speed memory used :

A. Cache

B. RAM

C. BIOS

D. Hard Disk

**Ans** ✗ 1. D

✗ 2. C

✗ 3. B

✓ 4. A

**Q.7** A shopkeeper cheats to the extent of 11 % while buying and selling fruits, by using tampered weights. His total gain in percentage is.

A. 23.25
B. 23.21
C. 23.75
D. 23.5

**Ans** ✗ 1. D

✗ 2. C

✗ 3. A

✓ 4. B

**Q.8** The cash difference between the selling price of an article at a profit of 2 % and 18 % is Rs3. The ratio of two selling prices is.

A. 51:59
B. 51:53
C. 51:60
D. 55:59

**Ans** ✗ 1. C

✗ 2. B

✗ 3. D

✓ 4. A

**Q.9**

The value of $0.592 \div 0.8 = ?$

A. 7.4

B. 0.74

C. 740

D. 0.074

Ans ✗ 1. C

✓ 2. B

✗ 3. D

✗ 4. A

---

**Q.10** Laura was going with a boy and is asked by a woman about the relationship between them. Laura replied, "My maternal uncle and the uncle of his maternal uncle is the same". How is Laura related with that boy?

A. Mother and Son
B. Aunt and Nephew
C. Grandmother and Grandson
D. Cannot be determined

Ans ✓ 1. B

✗ 2. A

✗ 3. C

✗ 4. D

---

**Q.11** Compute of $69696 \times 9999 = ?$

A. 696980304

B. 666890304

C. 696809304

D. 696890304

Ans ✗ 1. A

✓ 2. D

✗ 3. B

✗ 4. C

---

**Q.12** In a certain code, RIPPLE is written as 613382 PREACH is coded as 362457 How is PILLER written in that code?

A. 318826
B. 318286
C. 618826
D. 338816

Ans ✗ 1. B

✗ 2. C

✗ 3. D

✓ 4. A

---

**Q.13** A flask has two holes. The 1st hole alone makes the flask empty in 9 minutes and 2nd hole alone makes the flask empty in 16 minutes. If water leaks out at a constant rate, how long in minutes does it take if both the holes together empty the flask?

A. $\frac{19}{25}$

B. $4\frac{19}{25}$

C. $5\frac{20}{25}$

D. $5\frac{19}{25}$

Ans ✗ 1. C

✗ 2. B

✗ 3. A

✔ 4. D

**Q.14** Who was appointed as the head of the Jury of the International Film Festival of India in November 2015?

A. Anil Kapoor
B. Shekhar Kapoor
C. Anupam Kher
D. Naseeruddin Shah

Question ID : **2055232387**

Status : **Answered**

Chosen Option : **1**

**Ans** ✔ 1. B

✘ 2. A

✘ 3. C

✘ 4. D

**Q.15** Which of the following is a tsunami warning sign?

A. Stormy weather

B. Hailstorm

C. Water falling back quickly from the beach.

D. Pets acting strangely

Question ID : **2055232408**

Status : **Answered**

Chosen Option : **3**

**Ans** ✔ 1. C

✘ 2. D

✘ 3. B

✘ 4. A

**Q.16** Answer the questions based on the below information.

If '+' is 'x', '-' is '+', 'x' is '÷' and '÷' is '-'

then 6 + 7 x 3 − 8 ÷ 20 = ?

A. -3

B. 7

C. 2

D. 1

Question ID : **2055232444**

Status : **Answered**

Chosen Option : **3**

**Ans** ✘ 1. D

✘ 2. B

✔ 3. C

✘ 4. A

**Q.17** The most abundant of the rare gases is?

A. Helium

B. Argon

C. Neon

D. Nitrogen

Question ID : **2055232379**

Status : **Answered**

Chosen Option : **3**

**Ans** ✘ 1. C

✘ 2. D

✔ 3. B

✘ 4. A

**Q.18**

Question ID : **2055232469**

Status : **Answered**

Read the statements and select a conclusion from the given alternatives:

**Statement:**
Sukhvinder emphasized the need to replace the present training programme by other methods which will bring out the real merit of the candidates.

**Conclusions:**
I. It is not important to bring out the real merit of the candidates.
II. The present training programme does not bring out the real merit of the candidates

A. Only conclusion I follows.
B. Only conclusion II follows.
C. Both I and II follow.
D. Neither I nor II follows.

Ans ✗ 1. D

✗ 2. C

✗ 3. A

✔ 4. B

---

**Q.19** The variance of a set of data is 196. Then the standard deviation of the data is.

A. ±14
B. 14
C. 96
D. 98

Ans ✗ 1. C

✗ 2. D

✗ 3. A

✔ 4. B

Question ID : **2055232438**

Status : **Answered**

Chosen Option : **3**

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**Q.20** The Indian National Army reclaimed the Andaman and Nicobar Island from British rule and named them?

A. Swaraj Islands
B. Shaheed and Swaraj Island
C. Free Islands
D. Swatantra and Swaraj Island

Ans ✗ 1. A

✗ 2. C

✗ 3. D

✔ 4. B

Question ID : **2055232394**

Status : **Answered**

Chosen Option : **3**

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**Q.21** Compute $4923 \div 547 - 10$.

A. 1
B. −1
C. $\dfrac{1641}{179}$
D. $\dfrac{1614}{179}$

Ans ✗ 1. A

✗ 2. C

✗ 3. D

✔ 4. B

Question ID : **2055232410**

Status : **Answered**

Chosen Option : **4**

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**Q.22** A protruding part of the throat that is responsible for growing voice box in boys is called?

A. Larynx
B. Testosterone
C. Pharynx
D. Adam's Apple

Ans ✔ 1. D

✗ 2. B

Question ID : **2055232376**

Status : **Answered**

Chosen Option : **3**

5/25

✗ 3. C

✗ 4. A

**Q.23** Which country is going to organise the FIFA U-17 World cup in the year 2017?

    A. Chile

    B. Nigeria

    C. UAE

    D. India

Ans ✔ 1. D

    ✗ 2. B

    ✗ 3. A

    ✗ 4. C

Question ID : **2055232372**

Status : **Answered**

Chosen Option : **1**

**Q.24** The mean of the data $1, \frac{1}{2}, \frac{1}{2}, \frac{3}{4}, \frac{1}{4}, 2, \frac{1}{2}, \frac{1}{4}, \frac{3}{4}$ is.

    A. $\frac{15}{18}$

    B. $\frac{13}{18}$

    C. $\frac{7}{9}$

    D. $\frac{8}{9}$

Ans ✗ 1. D

    ✔ 2. B

    ✗ 3. A

    ✗ 4. C

Question ID : **2055232437**

Status : **Answered**

Chosen Option : **2**

**Q.25** Variance of the data 2, 4, 5, 6, 8, 17 is 23.33. Then the variance of 4, 8, 10, 12, 16, 34 will be:

    A. 11.66

    B. 46.66

    C. 93.3333

    D. 4.83

Ans ✗ 1. D

    ✗ 2. B

    ✔ 3. C

    ✗ 4. A

Question ID : **2055232436**

Status : **Answered**

Chosen Option : **2**

**Q.26** Mr. Mahesh sold a bus for Rs.22,100 with a loss of 15 %. At what price should the bus be sold to get a profit of 15 %?

    A. 29,700

    B. 30,000

    C. 29,800

    D. 29,900

Ans ✗ 1. A

    ✗ 2. C

    ✗ 3. B

    ✔ 4. D

Question ID : **2055232425**

Status : **Answered**

Chosen Option : **4**

**Q.27**

Question ID : **2055232459**

Status : **Answered**

Read the statements and select a conclusion from the given alternatives:

**Statements:**

All pens are pencils. Some pencils are erasers. Some erasers are ropes. All ropes are tents

**Conclusions:**

I. Some tents are trams

II. Some ropes are pens

III. Some erasers are pens

IV. Some pencils are pens.

A. Only I and II follow

B. Only I, II and III follow

C. Only I and III follow

D. Only IV follows

Ans  ✗ 1. B

✗ 2. A

✔ 3. D

✗ 4. C

**Q.28** Which is the correct ascending order of the given numbers?

A. $\dfrac{2}{3}, \dfrac{5}{6}, \dfrac{3}{4}$

B. $\dfrac{3}{4}, \dfrac{2}{3}, \dfrac{5}{6}$

C. $\dfrac{2}{3}, \dfrac{3}{4}, \dfrac{5}{6}$

D. $\dfrac{5}{6}, \dfrac{3}{4}, \dfrac{2}{3}$

Question ID : 2055232411

Status : **Answered**

Chosen Option : **4**

Ans  ✗ 1. B

✗ 2. D

✗ 3. A

✔ 4. C

**Q.29** If $Tan\ A = \dfrac{15}{8}$ and $Tan\ B = \dfrac{7}{24}$, then $Cos\ (A+B) = $ ?

A. $\dfrac{87}{425}$

B. $\dfrac{304}{425}$

C. $\dfrac{297}{425}$

D. $\dfrac{416}{425}$

Question ID : 2055232435

Status : **Answered**

Chosen Option : **3**

Ans  ✔ 1. A

✗ 2. C

✗ 3. B

✗ 4. D

**Q.30** Which country among the following voted in 2015 to be the first country to allow three parent in-vitro fertilization?

A. Britain

B. USA

C. France

D. Italy

Question ID : 2055232405

Status : **Answered**

Chosen Option : **3**

Ans  ✗ 1. B

✗ 2. D
✗ 3. C
✓ 4. A

**Q.31** The basic concept of Montessori education is :

A. Discovery by travelling

B. Dreaming

C. Communicating

D. Self-discovery through experiment

Question ID : **2055232399**

Status : **Answered**

Chosen Option : **1**

Ans ✓ 1. D

✗ 2. B

✗ 3. C

✗ 4. A

**Q.32** The term polyarchy was used by Robert Dahl to describe a form of government in which?

A. It reduces the multitudinous differences of opinion to relatively simple alternatives

B. It takes individual as the basic unit of democratic model

C. People can participate through their representations

D. People act both through the electoral system and the group process

Question ID : **2055232398**

Status : **Answered**

Chosen Option : **2**

Ans ✗ 1. A

✗ 2. C

✓ 3. D

✗ 4. B

**Q.33** $(8)^{2/3} = ?$

A. $\sqrt{4}$

B. 2

C. 4

D. 64

Question ID : **2055232414**

Status : **Answered**

Chosen Option : **4**

Ans ✗ 1. B

✓ 2. C

✗ 3. A

✗ 4. D

**Q.34** Ms. Kavitha borrowed Rs.950 at 6% per annum simple interest. What amount will she pay to clear her debt after 4 years?

A. 282

B. 1187

C. 1178

D. 228

Question ID : **2055232423**

Status : **Answered**

Chosen Option : **4**

Ans ✗ 1. A

✓ 2. C

✗ 3. B

✗ 4. D

**Q.35**

Question ID : **2055232418**

Status : **Answered**

Chosen Option : **3**

Divide Rs.368 in the ratio 1:5:8:9. The rupees in the respective ratios are given by.

A. 16, 80, 127 & 145
B. 16, 80, 129 & 143
C. 16, 80, 128 & 144
D. 16, 80, 128 & 143

Ans  ✗ 1. A
     ✗ 2. B
     ✔ 3. C
     ✗ 4. D

---

Q.36 Which of the following is a probe to the Kuiper belt bodies?

A. Voyager 1
B. Van Allen Probe
C. New Horizon
D. Pioneer 11

Question ID : 2055232389
Status : Answered
Chosen Option : 1

Ans  ✗ 1. A
     ✗ 2. B
     ✗ 3. D
     ✔ 4. C

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Q.37 Dried fruit like raisins when soaked in water, bulge and get filled with water. What is the scientific reason that explains this daily life event?

A. Osmosis
B. Active Transport
C. Diffusion
D. Passive Transport

Question ID : 2055232375
Status : Answered
Chosen Option : 1

Ans  ✔ 1. A
     ✗ 2. C
     ✗ 3. D
     ✗ 4. B

---

Q.38 India participated in the 2014 Commonwealth Games at _____.

A. Gold Coast, Australia
B. New Delhi, India
C. Samoa, Pacific Island
D. Glasgow, United Kingdom

Question ID : 2055232374
Status : Answered
Chosen Option : 4

Ans  ✗ 1. A
     ✔ 2. D
     ✗ 3. C
     ✗ 4. B

---

Q.39 The order of rotational symmetry of a rectangle is.

A. 1
B. 4
C. 2
D. 0

Question ID : 2055232433
Status : Answered
Chosen Option : 3

Ans  ✗ 1. B
     ✗ 2. A
     ✔ 3. C
     ✗ 4. D

**Q.40** If the product of two numbers is 2400 and their LCM is 96 then their HCF is.

    A. 35

    B. 240

    C. 24

    D. 25

**Ans** ✗ 1. A

    ✓ 2. D

    ✗ 3. B

    ✗ 4. C

Question ID : **2055232416**

Status : **Answered**

Chosen Option : **2**

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**Q.41** Josna takes 4 hrs 30 minutes in walking a distance and riding back to same place where she started. She could walk both ways in 5 hr. 40 minutes. The time taken by her to ride back both ways is.

    A. 3 hr. 20 min

    B. 3 hr. 35 min

    C. 3 hr. 45 min

    D. 3 hr. 15 min

**Ans** ✗ 1. B

    ✗ 2. C

    ✓ 3. A

    ✗ 4. D

Question ID : **2055232422**

Status : **Answered**

Chosen Option : **3**

---

**Q.42** Birth control pills contain

    A. Progesterone only

    B. Estrogen only

    C. Mixture of progesterone and estrogen derivative

    D. Neither progesterone nor estrogen

**Ans** ✓ 1. C

    ✗ 2. D

    ✗ 3. B

    ✗ 4. A

Question ID : **2055232380**

Status : **Answered**

Chosen Option : **2**

---

**Q.43** Two cycles start from a house with a speed of 24 km/hr. at interval of 15 minutes. With how much more speed (km/hr.) the woman coming from the opposite direction towards the house has to travel to meet the cycles at an interval of 10 minutes?

    A. 13

    B. 11

    C. 12

    D. 14

**Ans** ✓ 1. C

    ✗ 2. A

    ✗ 3. D

    ✗ 4. B

Question ID : **2055232421**

Status : **Answered**

Chosen Option : **1**

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**Q.44** Harappan people did not worship one of the following God -

    A. Shiva

    B. Vishnu

    C. Pigeon

    D. Swastik

**Ans** ✓ 1. B

    ✗ 2. D

    ✗ 3. A

    ✗ 4. C

Question ID : **2055232385**

Status : **Answered**

Chosen Option : **4**

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**Q.45**

Question ID : **2055232378**

The theory behind stars twinkling is that
  A. The refractive index of the different layers of earth's atmosphere changes continuously; consequently the position of the star's image changes with time.
  B. The intensity of light emitted by them changes with time
  C. The light from the star is scattered by the dust particles and air molecules in the earth's atmosphere
  D. The distance of the stars from the earth changes with time

Ans ✔ 1. A

✘ 2. D

✘ 3. B

✘ 4. C

---

**Q.46** Complete the Figure X from the given alternatives 1,2,3,4



(X)    (1)    (2)    (3)    (4)

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

Ans ✘ 1. A

✘ 2. C

✔ 3. B

✘ 4. D

---

**Q.47** Who was awarded the Harvard Humanitarian Award for 2015?

  A. Malala Yousafzai

  B. Kailash Satyarthi

  C. Tommy Hilfiger

  D. Lionel Richie

Ans ✔ 1. B

✘ 2. C

✘ 3. D

✘ 4. A

---

**Comprehension:**

**Read the data given and answer the following questions:**

In a class of 60 students:

42 like Maths,

32 like English,

12 like neither Maths nor English.

**SubQuestion No : 48**

**Q.48** Students who like only Maths forms what percentage of the total number of students in the class?

  A. 26.67 %
  B. 24.22 %
  C. 28.80 %
  D. 32.82 %

Ans ✔ 1. A

✘ 2. B

✘ 3. C

✘ 4. D

**Comprehension:**

**Read the data given and answer the following questions:**

In a class of 60 students:

42 like Maths,

32 like English,

12 like neither Maths nor English.

SubQuestion No : 49

Q.49 How many students like both Maths and English?

    A. 28

    B. 26

    C. 16

    D. 12

Ans   ✗ 1. A

     ✗ 2. D

     ✔ 3. B

     ✗ 4. C

---

**Comprehension:**

**Read the data given and answer the following questions:**

In a class of 60 students:

42 like Maths,

32 like English,

12 like neither Maths nor English.

SubQuestion No : 50

Q.50 How many students like exactly one subject?

    A. 16

    B. 12

    C. 6

    D. 22

Ans   ✗ 1. B

     ✔ 2. D

     ✗ 3. C

     ✗ 4. A

---

Q.51 The famous Golconda Fort is situated in the state of :

    A. Madhya Pradesh

    B. Telangana

    C. Karnataka

    D. Bihar

Ans   ✗ 1. D

     ✗ 2. C

     ✗ 3. A

✓ 4. B

**Q.52** If $Sin\ x = \dfrac{4}{5}$, then $Sec^2\ x\ -1 = ?$

A. $\dfrac{16}{25}$

B. $\dfrac{25}{9}$

C. $\dfrac{9}{16}$

D. $\dfrac{16}{9}$

Ans ✗ 1. A

✓ 2. D

✗ 3. B

✗ 4. C

**Q.53** If the letters in PRABA are coded as 27595, and HITAL are coded as 68354, how can BHARATHI be coded?

A. 37536689
B. 57686535
C. 96575368
D. 96855368

Ans ✗ 1. D

✗ 2. B

✓ 3. C

✗ 4. A

**Q.54** Find the HCF of 1757, 2259.

A. 231

B. 241

C. 251

D. 261

Ans ✗ 1. D

✗ 2. A

✗ 3. B

✓ 4. C

**Q.55** Which country in the month of November 2015 was ranked No.1 men's team for the first time in FIFA rankings?

A. Nigeria
B. Belgium
C. Russia
D. Portugal

Ans ✗ 1. A

✓ 2. B

✗ 3. C

✗ 4. D

**Q.56**

Given $w = -2$, $x = 3$, $y = 0$ & $z = -\dfrac{1}{2}$, find the value of $w^2 \sqrt{(z^2 + y^2)}$.

A. $\pm 2$
B. $-2$
C. $2$
D. $4$

Ans  ✗ 1. B

✗ 2. D

✓ 3. C

✗ 4. A

---

**Q.57** Ram said, "This girl is the wife of the grandson of my mother". Who is Ram to the girl?

Question ID : 2055232451

Status : **Answered**

Chosen Option : **3**

A. Husband
B. Father
C. Father–in–law
D. Grandfather

Ans  ✗ 1. B

✗ 2. A

✓ 3. C

✗ 4. D

---

**Q.58** Which is the oldest High Court in India?

Question ID : 2055232393

Status : **Answered**

Chosen Option : **4**

A. Bombay High Court

B. Madras High Court

C. Allahabad High Court

D. Calcutta high Court

Ans  ✗ 1. A

✗ 2. B

✓ 3. D

✗ 4. C

---

**Q.59** _____ is the transition of a substance directly from the solid to the gas phase without passing through the intermediate liquid phase.

Question ID : 2055232407

Status : **Answered**

Chosen Option : **3**

A. Sublimation
B. Evaporation
C. Condensation
D. Liquidation

Ans  ✓ 1. A

✗ 2. D

✗ 3. B

✗ 4. C

---

**Q.60** Solve: $x - 3 = 3x + 7$.

Question ID : 2055232430

Status : **Answered**

Chosen Option : **3**

A. $5$

B. $-5$

C. $1$

D. $\dfrac{10}{4}$

Ans  ✗ 1. A

✗ 2. C

✓ 3. B

✘ 4. D

**Q.61** Who was the first Muslim female to higher judiciary?

Question ID : 2055232392

Status : **Answered**

Chosen Option : **4**

    A. Justice M. Fathima Beevi

    B. Justice V. Khalida

    C. Justice Benazir Islam

    D. Justice M Farooq

Ans  ✘ 1. C

    ✘ 2. B

    ✘ 3. D

    ✔ 4. A

**Q.62** Vernal Equinox occurs on,

Question ID : 2055232382

Status : **Answered**

Chosen Option : **2**

    A. June 22

    B. March 20

    C. May 20

    D. June 20

Ans  ✘ 1. D

    ✘ 2. C

    ✘ 3. A

    ✔ 4. B

**Q.63** Compute 33800 / 520 / 5 .

Question ID : 2055232409

Status : **Answered**

Chosen Option : **4**

    A. 31

    B. 325

    C. 13

    D. 352

Ans  ✘ 1. D

    ✘ 2. A

    ✘ 3. B

    ✔ 4. C

**Q.64** In which direction does the tail of a comet point toward?

Question ID : 2055232390

Status : **Answered**

Chosen Option : **3**

    A. Away from the sun

    B. Towards the sun

    C. Away from earth

    D. Towards the earth

Ans  ✔ 1. A

    ✘ 2. C

    ✘ 3. D

    ✘ 4. B

**Q.65**

Question ID : 2055232395

Status : **Answered**

Chosen Option : **1**

What title did the British confer Gandhi with, which was relinquished by him?

A. Rai Bahadur
B. Rai Sahib
C. Hind Kesari
D. Kaiser-e-Hind

Ans  ✗ 1. C

  ✔ 2. D

  ✗ 3. B

  ✗ 4. A

---

**Q.66** **Read the statements given below and derive the conclusion.**

**Statements**:

No window is monkey.

All the monkeys are cats.

**Conclusions**:

1. No window is cat.

2. No cat is window.

3. Some cats are monkeys.

4. All the cats are monkeys.

  A. Only (2) and (4)

  B. Only (1) and (3)

  C. Only (3) and (4)

  D. Only (3)

Ans  ✗ 1. B

  ✗ 2. C

  ✗ 3. A

  ✔ 4. D

---

**Q.67** Complete the Figure X from the given alternatives 1,2,3,4

(X)   (1)   (2)   (3)   (4)

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

Ans  ✔ 1. B

  ✗ 2. C

  ✗ 3. A

  ✗ 4. D

---

**Q.68**

Answer the questions based on the below information.

If '+' is 'x', '-' is '+', 'x' is '÷' and '÷' is '-'

then 6 – 9 + 8 x 3 ÷ 20 = ?

A. -2

B. 6

C. 10

D. 12

Ans ✗ 1. A

✗ 2. D

✗ 3. B

✓ 4. C

**Q.69** One of the best preserved Buddhist caves, Karla, is in which of the following states?

A. Bihar
B. Uttar Pradesh
C. Maharashtra
D. Uttarakhand

Question ID : **2055232396**

Status : **Answered**

Chosen Option : **3**

Ans ✗ 1. D

✗ 2. B

✓ 3. C

✗ 4. A

**Q.70** While watching 3D movies at the theatre, we have to wear special glasses because?

A. The glasses allow our left and right eyes to see different images
B. 3-D movies use special colors which cannot be sensed by the human eye
C. 3-D movies are brighter than ordinary movies and can hurt our eyes if seen directly
D. The glasses allow both the eyes to see similar images

Question ID : **2055232400**

Status : **Answered**

Chosen Option : **2**

Ans ✗ 1. D

✗ 2. B

✗ 3. C

✓ 4. A

**Q.71** Which river originates from Amarkantak?

A. Betwa

B. Chambal

C. Sone

D. Narmada

Question ID : **2055232381**

Status : **Answered**

Chosen Option : **1**

Ans ✗ 1. B

✓ 2. D

✗ 3. A

✗ 4. C

**Q.72** Who has the distinction of serving as the Chief Justice of India, President and the Vice president?

A. Justice M Hidayatullah
B. Justice Bhagwati
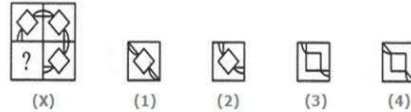C. Justice H.J.Kania
D. Justice Mehr Chand Mahajan

Question ID : **2055232386**

Status : **Answered**

Chosen Option : **1**

Ans ✗ 1. D

✗ 2. C

✗ 3. B

✓ 4. A

---

**Q.73** Complete the Figure X from the given alternatives 1,2,3,4

(X)    (1)    (2)    (3)    (4)

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

**Ans**

✗ 1. D

✗ 2. C

✓ 3. B

✗ 4. A

---

**Comprehension:**

## Study the following table and answer the questions based on it.

Following table gives the expenditures of a company (in lakh rupees) per annum over the given years.

| Year | Item of Expenditure | | | | |
| --- | --- | --- | --- | --- | --- |
| | Salary | Fuel and Transport | Bonus | Interest on loans | Taxes |
| 1998 | 288 | 98 | 3.00 | 23.4 | 83 |
| 1999 | 342 | 112 | 2.52 | 32.5 | 108 |
| 2000 | 324 | 101 | 3.84 | 41.6 | 74 |
| 2001 | 336 | 133 | 3.68 | 36.4 | 88 |
| 2002 | 420 | 142 | 3.96 | 49.4 | 98 |

**SubQuestion No : 74**

**Q.74** The ratio between the total expenditure on taxes for all the years to the total Bonus for all the years respectively is?

A. 9:40
B. 25:13
C. 451:17
D. 1:25

**Ans**

✓ 1. C

✗ 2. D

✗ 3. B

✗ 4. A

---

**Comprehension:**

**Study the following table and answer the questions based on it.**

Following table gives the expenditures of a company (in lakh rupees) per annum over the given years.

| Year | Item of Expenditure | | | | |
| --- | --- | --- | --- | --- | --- |
| | Salary | Fuel and Transport | Bonus | Interest on loans | Taxes |
| 1998 | 288 | 98 | 3.00 | 23.4 | 83 |
| 1999 | 342 | 112 | 2.52 | 32.5 | 108 |
| 2000 | 324 | 101 | 3.84 | 41.6 | 74 |
| 2001 | 336 | 133 | 3.68 | 36.4 | 88 |
| 2002 | 420 | 142 | 3.96 | 49.4 | 98 |

**SubQuestion No : 75**

Q.75 Expenditure on Fuel and Transport forms what percentage of expenditure on Salary for the year 2001?

A. 34.54 %

B. 39.22 %

C. 33.57 %

D. 37.58 %

Ans 1. D

2. B

3. A

4. C

Note: For this question, discrepancy is found in question/answer. So, Thi s question is ignored for all candidates.

---

Comprehension:

**Study the following table and answer the questions based on it.**

Following table gives the expenditures of a company (in lakh rupees) per annum over the given years.

| Year | Item of Expenditure | | | | |
| --- | --- | --- | --- | --- | --- |
| | Salary | Fuel and Transport | Bonus | Interest on loans | Taxes |
| 1998 | 288 | 98 | 3.00 | 23.4 | 83 |
| 1999 | 342 | 112 | 2.52 | 32.5 | 108 |
| 2000 | 324 | 101 | 3.84 | 41.6 | 74 |
| 2001 | 336 | 133 | 3.68 | 36.4 | 88 |
| 2002 | 420 | 142 | 3.96 | 49.4 | 98 |

**SubQuestion No : 76**

Q.76 The total expenditure of the company over the items during the year 2001 is -

A. Rs. 590 lakhs

B. Rs. 598 lakhs

C. Rs. 597 lakhs

D. Rs. 597.08 lakhs

Ans ✗ 1. B

✗ 2. C

✗ 3. A

✔ 4. D

---

Q.77 Pointing to a boy in a photograph. Rani said. "His mother's only daughter is my mother". How is Rani related to that boy?

A. Wife

B. Sister

C. Niece

D. Nephew

**Ans**  ✔ 1. C
  ✘ 2. B
  ✘ 3. D
  ✘ 4. A

---

**Q.78** The first gasoline-run car engine was developed by:

  A. Henry Ford

  B. Carl Benz

  C. Hugh Chalmers

  D. Horace Elgin Dodge

**Ans**  ✘ 1. C
  ✔ 2. B
  ✘ 3. D
  ✘ 4. A

---

**Q.79** The first democratically elected female President of Africa is from

  A. Nigeria

  B. Liberia

  C. Tanzania

  D. Kenya

**Ans**  ✔ 1. B
  ✘ 2. A
  ✘ 3. D
  ✘ 4. C

---

**Q.80** Answer the questions based on the below information.

If '+' is 'x', '-' is '+', 'x' is '÷' and '÷' is '-'

then $9 \div 5 + 4 - 3 \times 2 = ?$

  A. 2

  B. -9

  C. -3

  D. -9.5

**Ans**  ✘ 1. C
  ✔ 2. D
  ✘ 3. B
  ✘ 4. A

---

**Q.81** The length of a diagonal in cms of a rectangle of length 5 cm and width 3 cm is:

  A. $\sqrt{34}$

  B. $\pm\sqrt{34}$

  C. 4

  D. $\pm 4$

**Ans**  ✘ 1. D
  ✘ 2. B
  ✔ 3. A

✘ 4. C

---

**Q.82** The number of sides of a regular polygon whose exterior angles are each 72 ° is?

    A. 7

    B. 6

    C. 5

    D. 8

**Ans** ✘ 1. D

    ✘ 2. A

    ✔ 3. C

    ✘ 4. B

---

**Q.83** Which among the following is not an environment friendly mode of producing electricity?

    A. Thermal Power

    B. Solar Power

    C. Wind Energy

    D. Bio-waste

**Ans** ✔ 1. A

    ✘ 2. C

    ✘ 3. B

    ✘ 4. D

---

**Q.84** The G-20 Summit in November 2015 was organised in which European Country?

    A. Germany

    B. France

    C. Turkey

    D. Spain

**Ans** ✘ 1. A

    ✘ 2. B

    ✘ 3. D

    ✔ 4. C

---

**Q.85** Read the statements and select a conclusion from the given alternatives:

**Statements:**

The healthcare system has expanded in terms of number of hospitals. But the fact is that most of them are not well equipped and unable to make significant progress in the field of patient care.

**Conclusions:**

I. We should provide good doctors and equipment to existing hospitals now onwards.

II. Now, it is not necessary to open any new hospitals.

    A. Only conclusion I follows.

    B. Only conclusion II follows.

    C. Both I and II follow.

    D. Neither I nor II follows.

**Ans** ✘ 1. D

    ✔ 2. A

    ✘ 3. B

    ✘ 4. C

---

**Q.86** Mr. Ibrahim borrowed Rs.7500 at 5% per annum compound interest. The compound interest compounded annually for 2 years is.

    A. 768.75

    B. 8268.75

    C. 8286.75

    D. 786.75

**Ans** ✔ 1. B

    ✘ 2. D

✗ 3. A

✗ 4. C

**Q.87** _____ was the first female Prime Minister of Sri Lanka.

    A. Ranasinghe Premadasa

    B. Dingiri Banda Wijetunge

    C. Sirimavo Bandaranaike

    D. Chandrika Kumaratunga

Question ID : 2055232406

Status : **Answered**

Chosen Option : **1**

**Ans** ✗ 1. D

✗ 2. B

✗ 3. A

✔ 4. C

**Comprehension:**

**Directions to solve:**

Five boys are sitting on a bench to be photographed. Sachin is to the left of Ram and to the right of Bin. Monty is to the right of Ram. Rony is between Ram and Monty.

**SubQuestion No : 88**

**Q.88** Who is in the middle of the photograph?

    A. Bin

    B. Ram

    C. Rony

    D. Sachin

Question ID : 2055232455

Status : **Answered**

Chosen Option : **1**

**Ans** ✔ 1. B

✗ 2. D

✗ 3. A

✗ 4. C

**Comprehension:**

**Directions to solve:**

Five boys are sitting on a bench to be photographed. Sachin is to the left of Ram and to the right of Bin. Monty is to the right of Ram. Rony is between Ram and Monty.

**SubQuestion No : 89**

**Q.89** Who is second from the right in the photograph?

    A. Monty

    B. Ram

    C. Rony

    D. Bin

Question ID : 2055232456

Status : **Answered**

Chosen Option : **2**

**Ans** ✗ 1. A

✔ 2. C

✗ 3. D

✗ 4. B

**Comprehension:**

**Directions to solve:**

Five boys are sitting on a bench to be photographed. Sachin is to the left of Ram and to the right of Bin. Monty is to the right of Ram. Rony is between Ram and Monty.

**Q.90** Who is second from the left in the photograph?

A. Rony

B. Monty

C. Bin

D. Sachin

Question ID : 2055232457

Status : **Answered**

Chosen Option : **3**

Ans ✗ 1. C

✗ 2. A

✔ 3. D

✗ 4. B

**Q.91** Answer the questions based on the below information.

If '+' is 'x', '-' is '+', 'x' is '÷' and '÷' is '-'

then $3 \times 2 + 4 - 2 \div 9 = ?$

A. -1

B. 1

C. -2

D. 3

Question ID : 2055232445

Status : **Answered**

Chosen Option : **1**

Ans ✔ 1. A

✗ 2. C

✗ 3. B

✗ 4. D

**Q.92** What is the meaning of an ECOTONE?

A. ECOTONE is where two biomes meet

B. It's an area with low survival for species

C. An area with limited Flora and fauna

D. An area with high biomass production

Question ID : 2055232384

Status : **Answered**

Chosen Option : **4**

Ans ✗ 1. D

✗ 2. C

✗ 3. B

✔ 4. A

**Q.93** Rakshanth is twice as good a tradesman as Verma and together they finish a piece of work in 19 days. In how many days will Verma alone finish the work?

A. 38
B. 57
C. 76
D. 50

Question ID : 2055232420

Status : **Answered**

Chosen Option : **2**

Ans ✗ 1. D

✔ 2. B

✗ 3. A

✗ 4. C

**Q.94**

Question ID : 2055232470

Status : **Answered**

Chosen Option : **3**

Read the statements and select a conclusion from the given alternatives:

Statement:

To cultivate interest in debate the school has made it compulsory from December, 2015 for each student to attend two debate classes per week and submit a weekly report on the debates discussed.

Conclusions:

I. Interest in debating can be created by force.

II. Some students eventually will develop interest in debating.

    A. Only conclusion I follows.
    B. Only conclusion II follows.
    C. Both I and II follow.
    D. Neither I nor II follows.

**Ans** ✗ 1. A

    ✓ 2. B

    ✗ 3. C

    ✗ 4. D

---

**Q.95** Bill Gates co-founded 'Microsoft Corporation' in 1975 with?

    A. Chris Hughes

    B. Tim Berners-Lee

    C. Steve Paul Jobs

    D. Paul G. Allen

**Ans** ✗ 1. A

    ✓ 2. D

    ✗ 3. B

    ✗ 4. C

Question ID : 2055232402

Status : **Answered**

Chosen Option : **1**

---

**Q.96** Two numbers are in ratio 2:5 and their HCF is 18. Their LCM is.

    A. 180

    B. 36

    C. 90

    D. 188

**Ans** ✗ 1. B

    ✗ 2. D

    ✓ 3. A

    ✗ 4. C

Question ID : 2055232417

Status : **Answered**

Chosen Option : **4**

---

**Q.97** How many constellations have been named?

    A. 88

    B. 99

    C. 90

    D. 87

**Ans** ✓ 1. A

    ✗ 2. D

    ✗ 3. C

    ✗ 4. B

Question ID : 2055232391

Status : **Answered**

Chosen Option : **2**

---

**Q.98**

Question ID : 2055232448

Status : **Answered**

Chosen Option : **1**

Complete the Figure X from the given alternatives 1,2,3,4



(X) (1) (2) (3) (4)

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

**Ans**  ✓ 1. D

✗ 2. A

✗ 3. B

✗ 4. C

**Q.99** _____ jointly launched International Solar Alliance (ISA) at Conference of Parties (CoP21) Climate Conference held in Paris, France on 1st December 2015.

A. India and China
B. India and France
C. India and USA
D. India and Russia

Question ID : **2055232371**

Status : **Answered**

Chosen Option : **4**

**Ans**  ✗ 1. D

✗ 2. C

✗ 3. A

✓ 4. B

**Q.100** If in a certain language KINDLE is coded as ELDNIK, how is IMPOSING coded in that code?

A. GNIOSPMI
B. GNSIOPMI
C. GNISPOMI
D. GNISOPMI

Question ID : **2055232440**

Status : **Answered**

Chosen Option : **4**

**Ans**  ✗ 1. B

✗ 2. C

✗ 3. A

✓ 4. D