

## RRB NTPC Previous Year Paper 01

**Direction (1-3):** Use the following passage for the questions based on it.

Rahul and Kusum are good in Hindi and Maths. Sameer and Rahul are good in Hindi and Biology. Gita and Kusum are good in Marathi and Maths. Sameer, Gita and Mihir are good in History and Biology.

**Q1.** Who is good in both Biology and Marathi?

- (a) Gita
- (b) Kusum
- (c) Sameer
- (d) Mihir

**Q2.** Who is good in only Hindi, Marathi and Maths?

- (a) Sameer
- (b) Rahul
- (c) Kusum
- (d) Gita

**Q3.** Who is good in Maths, Biology and Hindi?

- (a) Gita
- (b) Rahul
- (c) Sameer
- (d) Mihir

**Q4.** Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement.

**Statement:**

Hrithik, in spite of his busy schedule, finds time to rest.

**Conclusions:**

- I. Hrithik is an organized person.
- II. Rest is the most important thing for a busy person.

Decide the right option from below.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow

**Q5.** Which among the following is true for the given numbers?

- (a)  $13/33 < 32/47 < 20/47 < 25/27$
- (b)  $13/33 < 20/47 < 25/27 < 32/47$
- (c)  $13/33 < 20/47 < 32/47 < 25/27$
- (d)  $20/47 < 13/33 < 32/47 < 25/27$

**Q6.** The colour of solid iodine is–

- (a) White
- (b) Colorless
- (c) Purplish Grey to Black
- (d) Reddish Brown

**Q7.** Find the LCM of  $25/7$ ,  $15/28$ ,  $20/21$ .

- (a)  $300/7$
- (b) 300
- (c)  $320/23$
- (d) 320

**Q8.** Who was the last emperor of the Mauryan Dynasty?

- (a) Chandragupta
- (b) Ashoka
- (c) Brihadratha
- (d) Shatadhanvan

**Q9.** X is 5 ft tall and he notices that he casts a shadow that's 3 ft long. He then measures that the shadow cast by his school building is 30 ft long. How tall is the building?

- (a) 50 ft
- (b) 18 ft
- (c) 90 ft
- (d) 150 ft

**Q10.** 3 chairs and 2 tables cost Rs. 700 and 5 chairs and 3 tables cost Rs. 1100. What is the cost of 1 chair and 2 tables?

- (a) 350
- (b) 400
- (c) 500
- (d) 550

**Q11.** The LCM of two numbers is 210. If their HCF is 35 and one of the numbers is 105, find the other number.

- (a) 35
- (b) 70
- (c) 105

**Q12.** Working alone, A can do a job in 15 days and B can do the same job in 18 days. In how many days will the job be completed if both work together?

- (a) 10/3 days
- (b) 90/11 days
- (c) 5/36 days
- (d) 15 days

**Q13.** In 2015, \_\_\_\_\_, a new species of the genus Homo was discovered in the Dinaledi Chamber of the Rising star cave system, Cradle of Humankind, South Africa.

- (a) Homo naledi
- (b) Homo erectus
- (c) Homo habilis
- (d) Homo rudolfensis

**Q14.** Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement.

**Statement:**

All hard-working people are successful.

**Conclusions:**

**I.** All successful people are hard-working.

**II.** Only hard work can guarantee success in life.

Decide the right option from below.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) Neither of them follows

**Q15.** In a web browser, which of the following is used to save frequently visited websites?

- (a) History
- (b) Task Manager
- (c) Favorites
- (d) Save as

**Q16.** The Khajuraho Group of Monuments is a UNESCO World Heritage Site located in–

- (a) Madhya Pradesh
- (b) Uttar Pradesh
- (c) Uttarakhand
- (d) Chattisgarh

**Q17.** If '+' means  $\times$ , '-' means  $\div$ , ' $\times$ ' means + and ' $\div$ ' means - ; compute the value of the expression:  
 $45-9+4\times 5$

**Q18.** On which lake is the Golden Temple located?

- (a) Amrit Sarovar Lake
- (b) Golden Lake
- (c) Harike Lake
- (d) Sukhna Lake

**Q19.** If three numbers are in the ratio of 1:3:5 and their sum is 10,800. Find the largest of the three numbers.

- (a) 1200
- (b) 3600
- (c) 6000
- (d) 5400

**Q20.** If  $A = 1$  and  $PAT = 37$ , then  $PART =$

- (a) 55
- (b) 52
- (c) 51
- (d) 54

**Q21.** A positive number exceed its positive square root by 30. Find the number.

- (a) 16
- (b) 36
- (c) 25
- (d) 49

**Q22.** A car travels at the speed of 50 km/hr for the first half of the journey and at the speed of 60 km/hr for the second half of the journey. What is the average speed of the car for the entire journey?

- (a) 54.54 km/hr
- (b) 36.36 km/hr
- (c) 50.5 km/hr
- (d) 45.45 km/hr

**Q23.** In 2016, who has partnered with ISRO to use space technology for 'predictive policing'?

- (a) Delhi Police
- (b) Mumbai Police
- (c) Chennai Metropolitan Police
- (d) Kolkata Police

**Q24.** Which of the following technological inventions came first?

- (a) Telegraph
- (b) Telescope
- (c) Telephone
- (d) Teletype

**Q25.** Rita introduced Seema as her mother's father's only son's daughter. How is Rita related to Seema?

- (a) Cousin
- (b) Paternal Aunt
- (c) Niece
- (d) Maternal Aunt

**Q26.** Which art form was Mrinalini Sarabhai associated with?

- (a) Pattachitra
- (b) Tanjore Painting
- (c) Bharatnatyam
- (d) Madhubani Painting

**Q27.** Choose the pair which is related in the same way as the words in the first pair from the given choices.

INDIA: TIGER :: USA : \_\_\_\_\_

- (a) UNICORN
- (b) BALD EAGLE
- (c) TURUL
- (d) DRUK

**Q28.** The dimensions of a luggage box are 80 cm, 60 cm and 40 cm. How many sq. cm of cloth is required to cover the box?

- (a) 10400 sq. cm
- (b) 20800 sq. cm
- (c) 20400 sq. cm
- (d) 10200 sq. cm

**Q29.** The sum of digits of a two-digit number is 10. When the digits are reversed, the number decreases by 54. Find the changed number.

- (a) 73
- (b) 28
- (c) 82
- (d) 37

**Q30.** The incomes of A and B are in the ratio of 3:2 and their expenditures are Rs. 14,000 and Rs. 10,000 respectively. If A saves Rs. 4000, then B's savings will be:

- (a) Rs. 4000
- (b) Rs. 2000
- (c) Rs. 3000
- (d) Rs. 5000

**Q31.** Ganesh said, "Anjali is my paternal grandfather's only daughter-in-law's only granddaughter". Ganesh is single and has only one sibling, i.e., an elder sister. How is Ganesh related to Anjali?

- (a) Maternal Uncle
- (b) Paternal Uncle
- (c) Cousin
- (d) Nephew

**Q32.** Which of the following type of rays does NOT penetrate Earth's atmosphere?

- (a) Visible Light
- (b) X-rays
- (c) Ultraviolet Rays
- (d) Radio Waves

**Q33.** Simplify:  $(\frac{2}{9} + \frac{3}{5}) \div (\frac{2}{9} + \frac{2}{5})$

- (a)  $\frac{37}{28}$
- (b)  $\frac{47}{43}$
- (c)  $\frac{43}{47}$
- (d)  $\frac{41}{47}$

**Q34.** The first captain of the Indian Cricket team for One Day International was –

- (a) Ajit Wadekar
- (b) Sunil Gavaskar
- (c) Kapil Dev
- (d) C K Nayudu

**Q35.** The principle of regarding the beliefs, values, and practices of the culture from the viewpoint of that culture itself is called–

- (a) Cultural Functionalism
- (b) Cultural Relativism
- (c) Cultural Independence
- (d) Cultural Interdependence

**Q36.** Rearrange the following jumbled sentences to make a meaningful one:

P: are inhibiting progress

Q: they look for creative

R: rather than the conventional solution of outsourcing

S: solutions to problems that

The proper sequence should be:

- (a) SRQP
- (b) QSPR
- (c) PQRS
- (d) QRPS

**Q37.** P is twice as efficient as Q. Q takes 12 days to complete a job. If both of them work together, how much time will they take to complete the job?

- (a) 6 days
- (b) 5 days
- (c) 4 days
- (d) 3 days

**Q38.** In January 2016, Indian Defence Minister hoisted the world's largest tri-colour on the tallest flag-post at-

- (a) New Delhi
- (b) Jaipur
- (c) Ranchi
- (d) Leh

**Q39.** What is the median of the following list of numbers: 5, 3, 6, 9, 11, 19, and 1 ?

- (a) 5
- (b) 6
- (c) 9
- (d) 11

**Q40.** A sold a toy to B at a profit of 15%. Later on, B sold it back to A at a profit of 20%, thereby gaining Rs. 552. How much did A pay for the toy originally?

- (a) Rs. 2400
- (b) Rs. 2560
- (c) Rs. 2760
- (d) Rs. 2800

**Q41.** Which of the following is NOT a Greenhouse Gas?

- (a) Nitrous Oxide
- (b) Methane
- (c) Sulphur Hexafluoride
- (d) Copper Dioxide

**Q42.** On which festival did the Jallianwala Bagh Massacre take place?

- (a) Baisakhi
- (b) Guru Nanak Jayanti
- (c) Diwali
- (d) Holi

**Q43.** The 2016 World Economic Forum Annual Meeting took place in-

- (a) Germany
- (b) Switzerland
- (c) France
- (d) United Kingdom

**Q44.** Which of the following is NOT a computer virus?

- (a) AIDS
- (b) Anna Kournikova
- (c) Brain
- (d) Don

**Q45.** In the Republic of India, the administrative head of a Union Territory is–

- (a) Lieutenant Governor
- (b) Governor
- (c) President
- (d) Prime Minister

**Q46.** The Jayakwadi Project, which is one of the largest irrigation projects is on the river–

- (a) Godavari
- (b) Narmada
- (c) Krishna
- (d) Tapi

**Q47.** Which of the following is the largest glacier in India?

- (a) Gangotri Glacier
- (b) Drang Drung Glacier
- (c) Siachen Glacier
- (d) Shafat Glacier

**Q48.** Which was the first women's sport to be introduced in the Olympics?

- (a) Gymnastics
- (b) Volleyball
- (c) Golf
- (d) Badminton

**Q49.** A wire when bent in the form of a square encloses an area of 484 sq. cm. If the same wire is bent in the form of a circle, what is the area enclosed by it?

- (a) 264 sq. cm
- (b) 616 sq. cm
- (c) 488 sq. cm
- (d) 492 sq. cm

**Q50.** What will Rs. 40,000 amount to in 2 years at the rate of 20% p.a., if interest is compounded yearly?

- (a) Rs. 48,620
- (b) Rs. 58,564
- (c) Rs. 57,600
- (d) Rs. 60,000

**Q51.** How long will a sum of money take to double, if it is invested at 9.09% p.a. simple interest?

- (a) 12 years
- (b) 14 years
- (c) 11 years
- (d) 13 years



**Q52.** From 1337 to 1453, who were the main combatants in the Hundred Year's War?

- (a) Kingdom of Germany and Kingdom of France
- (b) Kingdom of Germany and Kingdom of Italy
- (c) Kingdom of France and Kingdom of Spain
- (d) Kingdom of England and Kingdom of France

**Q53.** A train crosses a stationary object in 10 seconds. What is the length of the train if the speed of the train is 25 m/s?

- (a) 300 m
- (b) 250 m
- (c) 320 m
- (d) 200 m

**Q54.** Google, in partnership with the Railway's telecom wing RailTel, introduced the first public Wi-Fi service at the \_\_\_\_\_ railway station.

- (a) Trivandrum Central
- (b) Mumbai Central
- (c) Howrah Station
- (d) Kanpur Central

**Q55.** If the pH value of a substance is lower than 7, it would be considered as-

- (a) Neutral
- (b) Base
- (c) Acid
- (d) Ion

**Q56.** In 2013, the first human liver was grown from stem cells in-

- (a) Japan
- (b) USA
- (c) Germany
- (d) France

**Q57.** Two poles of the height 12 m and 17 m stand vertically upright on a plane ground. If the distance between their feet is 12 m, find the distance between their tops.

- (a) 11 m
- (b) 12 m
- (c) 13 m
- (d) 14 m

**Q58.** In which state is the World Heritage Site 'Basilica of Bom Jesus' located?

- (a) Goa
- (b) Andhra Pradesh
- (c) Tamil Nadu
- (d) Kerala

**Q59.** If PLUTO = QKVSP, then SATURN=

- (a) TZUTSM
- (b) TATUTM
- (c) TZUTRO
- (d) RZUTSO

**Q60.** If P713 is divisible by 11, find the value of the smallest natural number P?

- (a) 5
- (b) 6
- (c) 7
- (d) 9

**Q61.** If '+' means  $\times$ , '-' means  $\div$ , ' $\times$ ' means + and ' $\div$ ' means - ; compute the value of the expression:  
 $15 + 9 \times 10 \div 5$

- (a) 140
- (b) 190
- (c) 145
- (d) 130

**Q62.** Which of the following is NOT a rich source of Calcium?

- (a) Cheese
- (b) Collard Greens
- (c) Figs
- (d) Carrots

**Q63.** Pointing at a photograph, Ramesh said, "He is Rahul, my brother's son's only paternal uncle's wife's brother". How is Rahul related to Ramesh?

- (a) Brother-in-law
- (b) Brother
- (c) Cousin
- (d) Son

**Q64.** Who was the first Indian to become a Nobel Laureate?

- (a) Rabindranath Tagore
- (b) Mahatma Gandhi
- (c) C. V. Raman
- (d) Mother Teresa

**Q65.** Choose the pair which is related in the same way as the words in the first pair from the given choices.

OPHTHALMOLOGIST : EYE :: NEPHROLOGIST : \_\_\_\_\_

- (a) NERVOUS SYSTEM
- (b) LIVER
- (c) KIDNEY
- (d) STOMACH

**Q66.** Indian born Shiva Ayyadurai is associated with the invention of-

- (a) Email
- (b) Internet
- (c) Keyboard
- (d) Mouse

**Q67.** Below are given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements.

**Statements:**

- A. All boys are monkeys.
- B. Some plants are monkeys.

**Conclusions:**

- I. Some monkeys are boys.
- II. All plants are boys.

Decide which of the below conclusions logically follows from the given statements.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) Neither of them follows

**Q68.** The average of 11 results is 50. The average of the first 6 results is 49 and that of the last 6 results is 52. What is the 6<sup>th</sup> result?

- (a) 48
- (b) 51
- (c) 56
- (d) 49

**Q69.**  $5.36 \times 3.6 =$

- (a) 19.296
- (b) 18.946
- (c) 21.996
- (d) 20.26

**Q70.** Compute:  $(18 + 2 \times 3.3) \div 0.003$

- (a) 11200
- (b) 5100
- (c) 8200
- (d) 1610

**Q71.** A ladder 10 m long is leaning against a vertical wall. It makes an angle of  $60^\circ$  with the ground. How far is the foot of the ladder from the wall?

- (a) 5 m
- (b) 8.66 m
- (c) 17.32 m
- (d) 15 m

**Q72.** Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement.

**Statement:**

Sachin Tendulkar was the greatest batsman in Indian Cricket.

**Conclusions:**

**I.** There will be no other batsman greater than Sachin Tendulkar in Indian Cricket.

**II.** Sachin Tendulkar is the greatest batsman in the world.

Choose the right option from below

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) Neither of them follows

**Q73.** In January 2016, the Union Cabinet approved the proposal of the Ministry of Power for amendments in the Tariff Policy with the focus on 4 Es. Which of the following is NOT a part of the 4 Es?

- (a) Electricity for all
- (b) Environment for sustainable future
- (c) Ease of doing business to attract investments
- (d) Ensuring affordable electrical goods to all

**Q74.** Choose the pair which is related in the same way as the words in the first pair from the given choices.

CRICKET : PITCH :: SKATING : \_\_\_\_\_

- (a) RINK
- (b) GROUND
- (c) COURT
- (d) RING

**Q75.** Below are two statements. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts.

**Statements:**

**I.** Some trees are buildings.

**II.** All buildings are parrots.

Decide which of the below conclusions logically follows from the given statements.

- (a) All parrots are trees
- (b) All parrots are buildings
- (c) Some parrots are buildings
- (d) No parrot is a tree

**Q76.** Re-location of endangered or rare species from their natural habitat to protected areas equipped for their protection and preservation is called–

- (a) Ex situ conservation
- (b) In situ conservation
- (c) Exile conservation
- (d) Escaped conservation

**Q77.** From which country is the 'Fundamental Duties' of the Indian Constitution borrowed?

- (a) UK
- (b) USA
- (c) USSR
- (d) Australia

**Q78.** In India, the highest cricket ground above sea level lies in which state?

- (a) Himachal Pradesh
- (b) Sikkim
- (c) Uttar Pradesh
- (d) Assam

**Directions (79-81):** Study the following table and answer the questions based on it.

Given below is the list of expenditures (in lakh rupees) per annum of Company Z over the years.

Year	Expenditure Items for Company Z				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
2011	412	227	15	133.4	98
2012	557	233	16.5	142.5	138
2013	656	245	17.3	151.6	174
2014	680	260	17.9	166.4	188
2015	720	284	18.5	179.4	198

**Q79.** What is the average amount of Bonus per year?

- (a) Rs. 17.04 Lakhs
- (b) Rs. 17 Lakhs
- (c) Rs. 17.4 Lakhs
- (d) Rs. 16.8 Lakhs

**Q80.** What is the total expenditure of Company Z in the year 2011?

- (a) Rs. 897.2 Lakhs
- (b) Rs. 827.5 Lakhs
- (c) Rs. 885.4 Lakhs
- (d) Rs. 727.1 Lakhs

**Q81.** What is the expenditure on Fuel and Transport as a percentage of expenditure on Salary for the year 2012?

- (a) 41.8%
- (b) 40.1%
- (c) 43.1%
- (d) 44.2%

**Q82.** The cost of 2 pencil, 4 pens and 8 erasers is Rs. 12 and the cost of 8 pens, 10 pencils and 4 erasers is Rs. 36. How much will 3 pencils, 3 pens and 3 erasers cost?

- (a) Rs. 10
- (b) Rs. 15
- (c) Rs. 12
- (d) Rs. 18

**Q83.** If BEAR = YVZI, then BUILDING =

- (a) ATHKCHMF
- (b) YFROWRMT
- (c) YFSWOSMR
- (d) ATHKCHMT

**Q84.** What is Geotropism?

- (a) Growth of plants in response to Gravity
- (b) Growth of plants in response to Sunlight
- (c) Growth of plants in response to Nutrients
- (d) Growth of plants in response to Water

**Q85.** If the cost price of 120 articles is equal to the selling price of 80 articles, find the profit percent.

- (a) 33.33%
- (b) 40%
- (c) 50%
- (d) 60%

**Q86.** In 2016, ISRO conducted 1<sup>st</sup> satellite-based warning system trial for Indian Railways in-

- (a) Mumbai
- (b) Ahmedabad
- (c) Kolkata
- (d) Delhi

**Q87.** In 1831, electricity became viable for use in technology when \_\_\_\_\_ created the electric dynamo.

- (a) Benjamin Franklin
- (b) Alessandro Volta
- (c) Michael Faraday
- (d) Thomas Edison

**Q88.** If RAILWAY is coded as 24-7-15-18-29-7-31 then how will you code STATION?

- (a) 25-24-7-24-15-21-19
- (b) 25-26-7-26-15-21-20
- (c) 25-24-8-24-15-21-19
- (d) 25-26-8-26-15-21-20

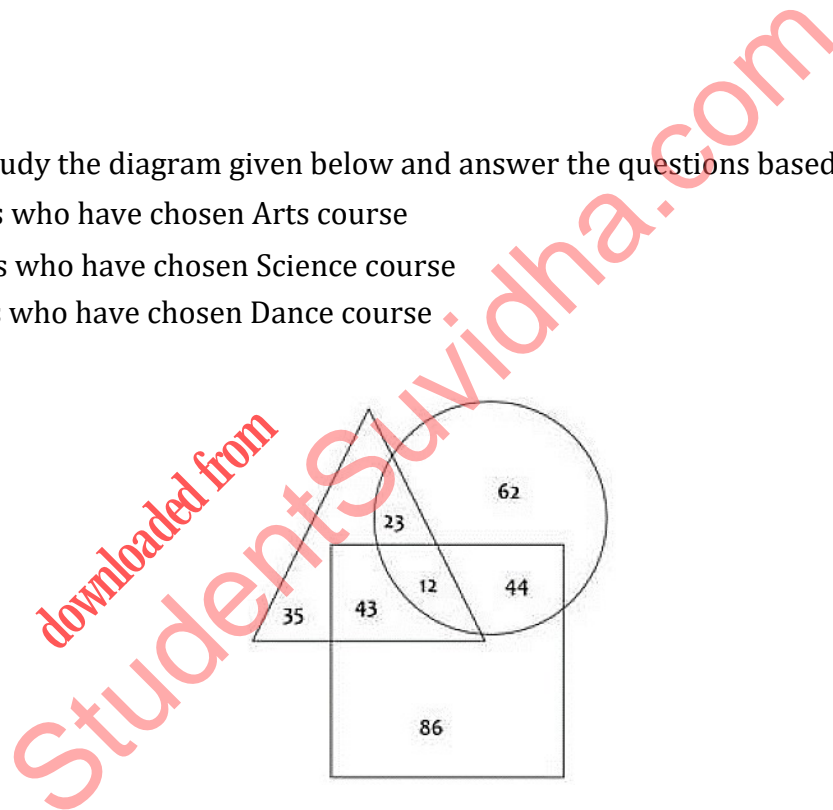
**Q89.** Select the correct set of symbols:

$$64\ 4\ 5\ 8 = 88$$

- (a)  $\times, -, \div$
- (b)  $+, \div, -$
- (c)  $+, -, \div$
- (d)  $\div, \times, +$

**Direction (90-92):** Study the diagram given below and answer the questions based on it.

- $\triangle$  represents Students who have chosen Arts course
- $\bigcirc$  represents Students who have chosen Science course
- $\square$  represents Students who have chosen Dance course



**Q90.** How many students have chosen the Science course?

- (a) 141
- (b) 185
- (c) 113
- (d) 145

**Q91.** How many students have chosen Dance course and Science course but not the Arts course?

- (a) 43
- (b) 44
- (c) 12
- (d) 23

**Q92.** How many students have chosen Arts course and Science course but not the Dance course?

- (a) 23
- (b) 12
- (c) 35
- (d) 44

**Q93.** When an object thrown straight upwards gets to the top of its path, its

- (a) Velocity is zero and its acceleration is zero
- (b) Velocity is zero and its acceleration is about  $10 \text{ m/s}^2$
- (c) Velocity is  $10 \text{ m/s}$  and its acceleration is zero
- (d) Velocity is  $10 \text{ m/s}$  and its acceleration is about  $10 \text{ m/s}^2$

**Q94.** Select the correct set of symbols:

$$21 \ 9 \ 13 \ 7 = 195$$

- (a)  $\times, -, \div$
- (b)  $+, \div, -$
- (c)  $+, -, \div$
- (d)  $\times, +, -$

**Q95.** Which of the following gases in air is responsible for the discoloration of Brass?

- (a) Hydrogen Sulphide
- (b) Carbon Dioxide
- (c) Nitrogen
- (d) Carbon Monoxide

**Q96.** Choose the one which is different or odd from the following.

- (a) Dal Lake
- (b) Sambhar Lake
- (c) Vembanad Lake
- (d) Wular Lake

**Q97.** What is the mode of the following list of numbers:

2, 4, 5, 6, 5, 4, 3, 5, 3, 1, and 7?

- (a) 3
- (b) 4
- (c) 5
- (d) 2

**Q98.** India's national motto, Satyameva Jayate (lit. "Truth alone triumphs"), is a mantra from the ancient Indian scripture—

- (a) Rigveda
- (b) Mundaka Upanishad
- (c) Bhagavad Gita
- (d) Matsya Purana



**Q99.** P bought an article for Rs. 400 and sold it at a profit of 10%.  
What would have been the increase in the profit percent if it was sold for Rs. 460?

- (a) 5%
- (b) 10%
- (c) 12%
- (d) 15%

**Q100.** In 2016, ISRO successfully launched its fifth navigation satellite called–

- (a) IRNSS 1D
- (b) IRNSS 1E
- (c) VELOX-C1
- (d) TeLEOS-1

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