# RRB NTPC

## TEST SERIES

DATE- __/__/__

DAY- _____

INSTRUCTION FOR CANDIDATE

**TEST SERIES NO.**

SG Set 30

QUESTION- 100 MARKS- 100 NEGATIVE MARK- 1/3 DURATION- 90 MIN.

1. USE ONLY BALL PENS WITH BLACK OR BLUE INK
2. AS SOON AS THE EXAMINATION STARTS, YOU MUST CHECK THIS QUESTION BOOKLET AND IF THERE IS ANY UNPRINTED, MUTILATED OR PARTIALLY PRINTED PAGE OR QUESTION IN IT, THEN REPLACE IT WITH THE CORRECT QUESTION BOOKLET THROUGH THE EXAMINER.
3. THERE ARE A TOTAL OF 100 QUESTIONS IN THIS QUESTION BOOKLET.
4. THIS IS AN OBJECTIVE TEST, IN WHICH FOUR OPTIONS ARE GIVEN FOR THE ANSWER TO EACH QUESTION, YOU HAVE TO CHOOSE ONLY ONE OPTION WITH THE CORRECT ANSWER OUT OF THESE FOUR OPTIONS.
5. ANSWERS TO ALL QUESTIONS ARE TO BE WRITTEN ON SEPARATE ANSWER SHEETS.

6. INSTRUCTIONS FOR FILLING THE ANSWER SHEET ARE WRITTEN ON THE BACK SIDE OF THE ANSWER SHEET, READ THEM CAREFULLY BEFORE FILLING THE ANSWER SHEET.
7. BLANK PAGES ARE AVAILABLE IN THIS QUESTION BOOKLET FOR ROUGH WORK.
8. CANDIDATES CANNOT LEAVE THE ROOM BEFORE THE END OF THE EXAMINATION.
9. AFTER THE EXAMINATION IS OVER, YOU CAN GO OUT ONLY WITH HIS PERMISSION AFTER SUBMITTING THE ORIGINAL COPY OF THE ANSWER SHEET TO THE INVIGILATOR.
10. AFTER THE COMPLETION OF THE EXAMINATION, THE CANDIDATE IS ALLOWED TO TAKE THE QUESTION BOOKLET AND ANSWER SHEET WITH HIM/HER.
11. 1 MARKS WILL BE GIVEN FOR EACH CORRECT ANSWER AND 1/3 MARKS WILL BE DEDUCTED FOR EACH WRONG ANSWER.

## Spardhaguru India Private Limited

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**10 Years of Excellence**

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| Total: 100 Que. | RRB NTPC Set 30 | Time: 90 Min. |
|---|---|---|

## RRB NTPC CBT I

**1).** In which state India's largest hockey stadium will be built?

**(a)** Andhra Pradesh    **(b)** Gujarat    **(c)** Odisha
**(d)** West Bengal

**2).** Which king did the Greeks defeat at the Battle of Marathon?

**(a)** Darius I    **(b)** Cyrus    **(c)** Xerxes I
**(d)** Cambyses II

**3).** Who established Khilji Dynasty?

**(a)** Mubarak Shah    **(b)** Alauddin Khilji
**(c)** Jalaluddin Khilji    **(d)** Aram Shah

**4).** Who decides the disqualification of a member of a house under Anti defection law?

**(a)** President    **(b)** Election Commissioner
**(c)** Chairperson of that house    **(d)** Parliament

**5).** With which Indian state the 'Muria' dance is associated?

**(a)** Telangana    **(b)** West Bengal    **(c)** Maharashtra
**(d)** Chattishgarh

**6).** Which of the following statements is incorrect about the Public interest Litigation (PIL) in India?

**(a)** A PIL can be filed in the Supreme Court or in a high court.

**(b)** The ban on Instant Triple Talaq and legalisation of passive euthanasia are results of PIL.

**(c)** A person can file a PIL in the Supreme Court under the Article 32 of the Constitution and in a high court under the Article 226.

**(d)** The petitioner who is filing the PIL must be an aggrieved person.

**7).** A motion of no confidence against the government in the state can only be introduced in the_____.

**(a)** State Legislative Assembly
**(b)** State Legislative Council    **(c)** High Court
**(d)** Supreme Court

**8).** The size of the State Legislative Council cannot be more than_____of the membership of the State Legislative Assembly.

**(a)** $1/4^{th}$    **(b)** 1/5th    **(c)** 1/3th    **(d)** None of these

**9).** The District Courts are administratively and judicially controlled by the_____.

**(a)** Governor    **(b)** Chief Minister    **(c)** High Court
**(d)** Advocate General of State

**10).** Which of the following chemical is used for anti-freezing?

**(a)** Calcium Carbonate    **(b)** Ethanol
**(c)** Carbon Dioxide    **(d)** Ethylene Glycol

**11).** Who was the first Indian to be appointed at the International Court of Justice?

**(a)** Nagendra Singh    **(b)** Dalveer Bhandari
**(c)** Sharad Arvind Bobde    **(d)** Baroness Higgins

**12).** National Commission of Schedule Tribes is mentioned under which of the following articles?

**(a)** 173    **(b)** 249A    **(c)** 36B    **(d)** 338A

**13).** The ZONDA Winds is regional term used for local winds of _____.

**(a)** Argentina    **(b)** Canada    **(c)** Germany
**(d)** Australia

**14).** Vote on Account refers to_____.

**(a)** A grant in advance to meet unexpected situations

**(b)** A grant in advance for special purpose and forms no part of current service of financial year

**(c)** A grant in advance to meet expenditure until enactment of Appropriation Act

**(d)** A grant in advance upon some new service

**15).** Which of the following is not a cybercrime?

**(a)** Phishing   **(b)** Cyber Stalking   **(c)** Identity Theft

**(d)** Online Chatting

**16).** If an MP violates his party's whip, he faces expulsion from the House under...........?

**(a)** Disqualification under A 102

**(b)** Disqualification under A 194

**(c)** Disqualification under Anti Defection Law

**(d)** None of above

**17).** The word 'justice' present in the Preamble is inspired from

**(a)** Russian Revolution   **(b)** American Revolution

**(c)** French Revolution   **(d)** German Revolution

**18).** The power to promulgate ordinances during recess of Parliament is vested with_____.

**(a)** The Council of Ministers

**(b)** The Parliamentary Standing Committee on Urgent Enactment

**(c)** The President   **(d)** The Prime Minister

**19).** 'Shukratal' is located in which of the following districts of Uttar Pradesh?

**(a)** Ballia   **(b)** Rampur   **(c)** Muzaffar Nagar

**(d)** Meerut

**20).** In which district of Uttar Pradesh, is the 'Ram Barat Utsav' celebrated?

**(a)** Varanasi   **(b)** Lucknow   **(c)** Kannauj   **(d)** Agra

**21).** Beta cells are related to_____.

**(a)** Pancreas   **(b)** Stomach   **(c)** Large intestine

**(d)** Liver

**22).** Which of the following leader was the real publisher of 'Sambad kaumudi' newspaper?

**(a)** Ishvarchandra Vidhyasagar

**(b)** Raja Ram Mohan Rai   **(c)** Dayanand Saraswati

**(d)** MN Roy

**23).** The Finance Commission is constituted by the President of India under Article _____ of the Constitution.

**(a)** 164   **(b)** 112   **(c)** 226   **(d)** 280

**24).** IPC sections from 390 to 402 deals with_____.

**(a)** Sexual Offences

**(b)** Kidnapping, Abduction, Slavery and Forced Labour

**(c)** Robbery and Dacoity

**(d)** Offences Against Property of Theft

**25).** Which section of Indian Penal Code (IPC) deals with the 'unnatural offences'?

**(a)** IPC 370   **(b)** IPC 376   **(c)** IPC 377

**(d)** IPC 378

**26).** Which areas are not visible on each side of the vehicle through the mirror?

**(a)** Danger area   **(b)** Blind spot   **(c)** Front spot

**(d)** None of these

**27).** Uttar Pradesh government has recently launched which mission to double the income of farmers of the state?

**(a)** Land development mission

**(b)** Self-reliance mission

**(c)** Kisan Sahyog Mission

**(d)** Kisan Kalyan Mission

**28).** Who among the following was the first Portuguese viceroy of India?

**(a)** Francisco de Almeida   **(b)** Duarte de Menezes

**(c)** Lopo Soares de Albergaria

**(d)** Alfonso de Albuquerque

**29).** Which state has the highest number of Ramsar Sites in India?

**(a)** Andhra Pradesh   **(b)** Madhya Pradesh

**(c)** Uttar Pradesh   **(d)** Tamil Nadu

**30).** What is "Arribada"?

**(a)** Colony formation by penguin

**(b)** Colony formation by dolphin

**(c)** Setting up a habit by Red panda

**(d)** Mass Nestling of olive Ridley

**31).** Environment Protection Act, 1986 was passed under which article of the Indian constitution?

(a) Article 255　　(b) Article 245　　(c) Article 265

(d) Article 253

---

(a) Article 266　　(b) Article 268　　(c) Article 270

(d) Article 265

---

**32).** The first Indian state that introduce the law on RTI was

(a) Tamil Nadu　　(b) Uttar Pradesh　　(c) Gujarat

(d) Jharkhand

---

**33).** The Protection of Women from Domestic Violence Act 2005 came into force on_____.

(a) January 26<sup>th</sup>, 2006　　(b) August 15<sup>th</sup>, 2006

(c) October 26<sup>th</sup>, 2006　　(d) July 31<sup>st</sup>, 2006

---

**34).** How many chapters and sections are there in Prevention of Corruption Act, 1988?

(a) 7 chapters and 35 sections

(b) 6 chapters and 36 sections

(c) 5 chapters and 31 sections

(d) 8 chapters and 32 sections

---

**35).** DUSTLIK II is a joint military exercise between_____.

(a) India and Bangladesh　　(b) India and UAE

(c) India and Japan　　(d) India and Uzbekistan

---

**36).** India's biggest Kidney Dialysis Hospital has been inaugurated in_____.

(a) Mumbai　　(b) Pune　　(c) Delhi　　(d) Amritsar

---

**37).** International Women's Day (IWD) is celebrated annually on_____.

(a) March 7　　(b) March 9　　(c) March 10

(d) March 8

---

**38).** Which section of the Protection of Human Rights Act 1993 provides for functions of the NHRC?

(a) section 12　　(b) section 13　　(c) section 14

(d) section 15

---

**39).** Which article of Indian constitution states that "No tax shall be levied or collected except by the authority of law"?

---

**40).** Which section of CrPC authorizes a private person to arrest any person committing a cognizable offence?

(a) Section 45　　(b) Section 42　　(c) Section 43

(d) Section 44

---

**41).** In the following question, select the odd word from the given alternatives.

(a) Grandchild　　(b) Nephew　　(c) Uncle

(d) Grandfather

---

**42).** In the following question, two statements are given each followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statements:
(I) Some notes are coins.
(II) No coin is a card.
Conclusion:
(I) All cards can be notes.
(II) Some notes are neither coins nor cards.

(a) Conclusion I follows　　(b) Conclusion II follows

(c) Neither I nor II follows　　(d) Both I and II follows

---

**43).** In the following question, two statements are given each followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

**Statement:**
(I) The DRDO has tested the Smart Anti Airfield Weapon from an Indian Air Force aircraft.
(II) The lightweight high precision guided bomb is one of the world class weapons systems.

**Conclusions**:
(I) DRDO Chairman Dr. S. Christopher congratulated the DRDO and the IAF teams for the successful mission.
(II) The test was carried out by IAF's Aircraft and System Testing Establishment.

(a) Only conclusion II follows

(b) Conclusion I and II both follow

(c) Neither I nor II follow

(d) Only conclusion I follows

**44).** In the following question, some statements followed by some conclusions are given. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:
1. All rackets are bats.
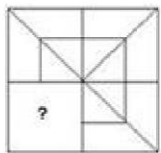2. All bats are wickets.
Conclusions:
I. Some wickets are rackets.
II. All wickets are rackets.

**(a)** Only conclusion (I) follows.

**(b)** Only conclusion (II) follows.

**(c)** Neither conclusion (I) nor conclusion (II) follows.

**(d)** Both conclusions follow.

---

**45).** It is 10:30 by the clock. If the minute hand points towards the south direction, then which direction will the hour hand point to?
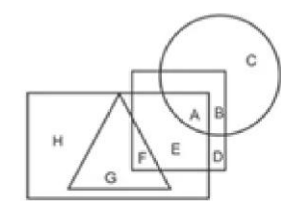
**(a)** Southwest    **(b)** Northwest    **(c)** Northeast

**(d)** Southeast

---

**46).** Which answer figure will complete the pattern in the question figure?



**(a)**   **(b)**   **(c)**   **(d)** 

---

**47).** In the following figure, the rectangle represents Mechanics, the circle represents illustrators, the triangle represents Singers and square represents Mothers. Which set of letters represents, Illustrators who are not Singers?



**(a)** FG    **(b)** ED    **(c)** BC    **(d)** ABC

---

**48).** Ravi was walking in the bank of a river Ganga. He walked 50m towards east and turned to his right and walked 20m to enter in the water of river to dip. After dipping he went on his starting point following the same path. The same routine he follows every day. In a leap year, how much total distance is covered by Ravi and his

dipping point is in which direction from his starting point?

**(a)** 15km, North    **(b)** 22km, North-West

**(c)** 24km, East    **(d)** 51.24km, South East

---

**49).** School W in a village, provides education from nursery to standard 4. In the same village, School B and school K provide education from standard 5 to 10. School F, which is in a nearby town, higher secondary education, that is, standard 11$^{th}$ and 12$^{th}$ only. The village has only three schools. Parents in the village have requested for more schools to the local panchayat.
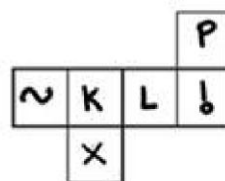Which conclusion follows the given statements?

**(a)** Schools are less in the village because parents do not want their children to study.

**(b)** Due to lack of teachers, village schools cannot complete with town schools.

**(c)** For higher secondary education, children of the village have to travel to the nearby town.

**(d)** Parents will send their kids to town, if school F provides primary education too.

---

**50).** Pointing to a portrait Bhagyashree said, "She has only daughter Silky who is married to my father-in-law's younger son Salman. How Salman is related to the person in the portrait?

**(a)** Son-in-law  **(b)** Sibling  **(c)** Cousin  **(d)** Son

---

**51).** Which of the following answer figure will be obtained after folding the question figure?



**(a)**   **(b)**   **(c)** 

**(d)** 

---

**52).** Read all the information and answer the question:

A + B means 'A is the mother of B';

A − B means 'A is the brother of B';

A × B means 'A is the father of B';

A ÷ B means 'A is the daughter of B';

How is K related to S in the expression L × S × W − D + K?

**(a)** Grandson    **(b)** Grand Daughter    **(c)** Son

**(d)** Cannot be Determined

---

**53).** Select the option that is related to the third term in the same way as the second term is related to the first term.

RODU : WTZI :: BANJ : ?

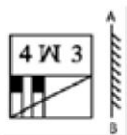**(a)** GFOS    **(b)** NGTR    **(c)** SWQA    **(d)** VFEW

---

**54).** In a certain code language, 'ROCKS' is written as '82649', 'MENTR' is written as '01578'. What is the code for 'TROMN' in that code language?

**(a)** 78205    **(b)** 78203    **(c)** 76205    **(d)** 70581

---

**55).** Select the number that can replace the question mark (?) in the following series. 36, 73, 147, 295, ?

**(a)** 591    **(b)** 581    **(c)** 621    **(d)** 691

---

**56).** Select the correct mirror image of the given figure when the mirror is placed at line AB.



---

**57).** Six friends A, B, C, D, E and F are standing in a row facing north. B is exactly in between F and D . E is standing exactly in between A and C . A is not a neighbor of D and F. C is not a neighbor of D but immediate right of F. C is standing in between which of the following?

**(a)** E and F    **(b)** D and F    **(c)** E and B

**(d)** A and E

---

**58).** A and B are sisters. X and Y are brothers. A's son is Y's brother. How is B related to X?

**(a)** Aunt    **(b)** Mother    **(c)** Grand-father

**(d)** Brother

---

**59).** One day, Ajay left home and cycled 8 km southwards, turned right and cycled 3 km and turned right and cycled 8 km and turned left and cycled 6 km. How far and in which direction is he from the starting point?

**(a)** 9km East    **(b)** 9km West    **(c)** 12 km west

**(d)** 9km South

---

**60).** The calendar of the year 2017 can be used again in the year?

**(a)** 2049    **(b)** 2023    **(c)** 2045    **(d)** 2028

---

**61).** What is the next term in the following alphabetical series?

ABCD, FHGI, KMLN, ?

**(a)** OQPR    **(b)** PRQS    **(c)** PQRS    **(d)** OPQR

---

**62).** If B = 25 and BEST = 62, then STABLE = ?

**(a)** 100    **(b)** 101    **(c)** 102    **(d)** 103

---

**63).** A question and three statements labeled (I), (II) and (III) are given. You have to decide which statement(s) is/are sufficient to answer the question.
What is Surya's age?
I. Surya and his sister are the only children in Ramesh's home.
II. Surya's sister is elder to him by5 years.
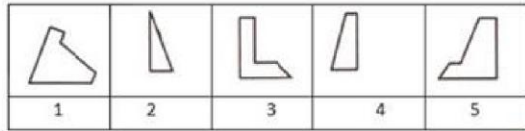III. Surya's sister just turned 15 this year.

**(a)** II and III are sufficient

**(b)** I, II, III together are needed.

**(c)** Given data is insufficient.

**(d)** II alone is sufficient.

---

**64).** Select the option that is related to the third term in the same way as the second term is related to the first term.

12 : 9 : : 45 : _____.

**(a)** 41    **(b)** 81    **(c)** 24    **(d)** 18

---

**65).** Observe the following randomly drawn figures and choose which of the following figures form a square?
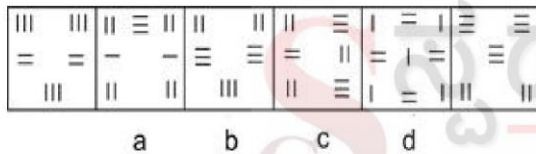
(a) 3, 4, 5  (b) 1, 4, 5  (c) 2, 4, 5  (d) 1, 4, 2

---

**66).** In a code language, honna son kolu means gold is yellow; kump son lapi means rose is red; kolu man lapi means yellow and red. What is the word for gold in that code language?

(a) Man  (b) Son  (c) Kolu  (d) Honna

---

**67).** If 5 November 2019 was Tuesday, then what was the day of the week on 5 December 2011?

(a) Tuesday  (b) Sunday  (c) Monday

(d) Saturday

---

**68).** A figure series of 6 parts is given. Out of these 4 parts are labeled A, B, C and One of these 4 parts is incorrect. Find the incorrect part.
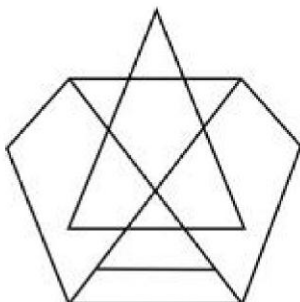


(a) A  (b) B  (c) D  (d) C

---

**69).** Which of the numbers should be interchanged so as to make the equation correct?

49 × 7 ÷ 14 + 25 − 27 = 0

(a) 27,14  (b) 14, 49  (c) 28, 19  (d) 28, 13

---

**70).** What is the minimum number of straight lines required to draw the given figure?



(a) 10  (b) 12  (c) 9  (d) 11

---

**71).** Parth took a loan of Rs.12000 at simple interest. After 5 years he paid Rs.3600 as interest. What is the rate of interest per annum?

(a) 6%  (b) 8%  (c) 4%  (d) 10%

---

**72).** What is the value of

$$\sqrt{576} \div 4 \times \sqrt{49} + 30 \div 10 - 2$$

(a) 43  (b) 40  (c) 45  (d) 60

---

**73).** Without any stoppage a person travels a certain distance at an average speed 80 km/h and with stoppage he covers the same distance at an average speed of 60 km/h . How many minutes per hour does he stop?

(a) 20 minutes  (b) 15 minutes  (c) 40 minutes

(d) 1 hour

---

**74).** A can do a piece of work in 15 days and B can do the same work in 12 days. They worked together for a period of 5 days and left. The remaining work was finished by C in 5 days. C can finish the whole work in

(a) 15 days  (b) 18 days  (c) 20 days

(d) 25 days

---

**75).** What will come at the place of '?'

777.07 + 77.77 + 0.77 + 7.07 +7 +77+7.077 = ?

(a) 953.857  (b) 953.757  (c) 964.757

(d) 953.937

---

**76).** Find the value of $2.9\overline{3} \times 1.\overline{2} \div 0.\overline{148}$

(a) 25.25  (b) 23.25  (c) 24.25  (d) None of these

---

The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.

| State | Year | | | | | | | | | |
| | 1997 | | 1998 | | 1999 | | 2000 | | 2001 | |
| | Appeared | Qualified | Appeared | Qualified | Appeared | Qualified | Appeared | Qualified | Appeared | Qualified |
| M | 5200 | 720 | 8500 | 980 | 7400 | 850 | 6800 | 775 | 9500 | 1125 |
| N | 7500 | 840 | 9200 | 1050 | 8450 | 920 | 9200 | 980 | 8800 | 1020 |
| P | 6400 | 780 | 8800 | 1020 | 7800 | 890 | 8750 | 1010 | 9750 | 1250 |
| Q | 8100 | 950 | 9500 | 1240 | 8700 | 980 | 9700 | 1200 | 8950 | 995 |

**77).** Find the average number of candidates that appeared from State Q during the given years.

(a) 8980  (b) 8880  (c) 9000  (d) 8990

**78).** What was the total number of candidates appearing from all the states in the year 1997?

(a) 27,200    (b) 72,200    (c) 27,000    (d) 22,700

---

**79).** If 5 divides the integer n, the remainder is 2. What will be remainder if 7n is divided by 5?

(a) 2    (b) 1    (c) 3    (d) 4

---

**80).** The cost price of two articles is the same. One article among them is sold at a profit of 15% and the other is sold at a profit of 12%. If the difference between their selling prices is Rs.18, then what is the cost price (in Rs.) of each article?

(a) 570    (b) 690    (c) 400    (d) 600

---

**81).** Three successive discounts of 20%, 20% and 30% are offered on an article. If the marked price of the article is ₹750, then what will be its selling price?

(a) ₹236    (b) ₹375    (c) ₹348    (d) ₹336

---

**82).** Amar, Bhavan, Chetan and Dinesh have a total of Rs.150 with them. Amar has one-fourth of the total amount with the others. The amount with Amar (in Rs.) is:

(a) 37.5    (b) 30    (c) 25    (d) 20

---

**83).** The ratio of the number of males and females in a group is 6 : 7. Fifteen females leave the group. Consequently, the ratio becomes 12 : 11. Now, if 6 males join the group, then what will be the ratio of the number of males and females in the group?

(a) 3 : 2    (b) 6 : 5    (c) 4 : 3    (d) 5 : 4

---

**84).** The marked price of an article is ₹882. It is sold for ₹806.40. If there is a loss of 4%, then by what percent above the cost was the article marked?

(a) 8    (b) 6    (c) 4    (d) 5

---

**85).** A and B can complete a certain work in 24 days and 42 days, respectively. A started the work and after x days, B joined him and the whole work was completed in 20 days. The value of x is:

(a) 11    (b) 13    (c) 7    (d) 9

---

**86).** The average of 20 numbers is 80. The average of first 10 numbers is 76.5 and that of next 7 numbers is 82. The 18$^{th}$ number is 3 more than the 19$^{th}$ number but 3 less than the 20$^{th}$ number. What is the average of 18$^{th}$ and 19$^{th}$ numbers?

(a) 85    (b) 88.5    (c) 86    (d) 85.5

---

**87).** 221 litres of a mixture contains milk and water in the ratio 11:2. How much water is to be added to get a new mixture containing milk and water in the ratio 11:3 ?

(a) 19 litres    (b) 11 litres    (c) 20 litres

(d) 17 litres

---

**88).** 500 grams of salt solution has 20% salt in it. How much salt should be added in the solution so that salt concentration becomes 50%?

(a) 160 gm    (b) 250 gm    (c) 300 gm    (d) 400 gm

---

**89).** Ram can reach his destination in 10 hrs. If he reduces his speed by 1/6th, then he travels 15 km less in the same time. Find the distance covered by him to reach the destination?

(a) 75 km    (b) 120 km    (c) 100 km    (d) 90 km

---

**90).** Find the HCF of 3341 and 3328?

(a) 257    (b) 337    (c) 13    (d) 31

---

**91).** What is the sum of first 30 even numbers?

(a) 910    (b) 930    (c) 900    (d) 920

---

**92).** The price of cigarettes has increased by 43.75%. If the expenditure is not allowed to increase, the ratio between the original consumption and the reduction in consumption is

(a) 16 : 7    (b) 23 : 7    (c) 7 : 23    (d) 9 : 5

---

**93).** The ratio of income of A and B is 5: 6, C: B is 3:4 and C: D is 2: 5. If we subtract the difference of D and B's income from the sum of A and C's income then it is equal to 680 rupees. Then find the sum of the income of A, B, C and D?

(a) 4040    (b) 4280    (c) 4080    (d) 4020

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**94).** The value of 7 + [44 ÷ 4 + {9 × 2 – 14 ÷ 7} + 7 × 2] is:

(a) 48    (b) 55    (c) 33    (d) 67

**95).** A train of length 350 m crosses a bridge of length 250 m in 20 seconds. What is the speed of the train (in km/h)?

**(a)** 88    **(b)** 72    **(c)** 108    **(d)** 95

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**96).** Twelve persons meet in a conference and each shakes hands with all the others. How many handshakes take place?

**(a)** 66    **(b)** 72    **(c)** 144    **(d)** 132

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**97).** A person divided a certain sum between his three sons in the ratio 3 : 4 : 5. Had he divided the sum in the ratio $\frac{1}{3} : \frac{1}{4} : \frac{1}{5}$ the son, who got the least share earlier, would have got Rs.1,188 more. The sum (in Rs.) was:

**(a)** 6,768    **(b)** 5,640    **(c)** 7,008    **(d)** 6,840

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**98).** The average weight of P, Q and R is 62 kg. The weight of R is 12 kg more than weight of P and 9 kg more than that of Q. What is the average weight of P, Q, R and S if the weight of S is 15 kg less than R?

**(a)** 58 kg    **(b)** 62 kg    **(c)** 64 kg    **(d)** 60 kg

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**99).** What sum of money at compound interest will amount to Rs. 4,630.08 in three years if the rate of interest is 4% for the first year, 5% for the second year and 6% for the third year?

**(a)** Rs. 4,500    **(b)** Rs. 4,800    **(c)** Rs. 4,000

**(d)** Rs. 3,500

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**100).** A, B and C can do a job working alone in 50, 75 and 20 days respectively. They all work together for 4 days and then C quits. How many days will A and B take to finish the rest of the job?

**(a)** 20    **(b)** 30    **(c)** 18    **(d)** 24