RRB NTPC

TEST SERIES

DATE- __ /__ /__
DAY- _____

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 22

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.

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10 Years of Excellence

Total: 100 Que.   **RRB NTPC Set 22**   Time: 90 Min.

RRB NTPC CBT I

1). Reserve Bank of India is known as the Lender of _____ in India?

(a) First resort   **(b)** Last Resort

(c) Second Resort   **(d)** Third Resort

2). Choose the incorrect match of banks and headquaters

(a) Asian Infrastructure Investment Bank - Beijing,China

(b) International Monetary Fund (IMF) - New York,USA

(c) New Development Bank - Shanghai, China

(d) Punjab National Bank - New Delhi

3). The difference between GNP and NNP equals to:

(a) corporate profits   **(b)** personal taxes

(c) transfer payments   **(d)** depreciation

4). The Fundamental Rights can be suspended by the _____.

(a) Governor   **(b)** President   **(c)** Law Minister

(d) Prime Minister

5). Which among the following features of a federal system is not found in the Indian Political System?

(a) Dual citizenship

(b) Distribution of powers between the Federal and the State Governments

(c) Superemacy of the Constitution

(d) Authority of the Courts to interpret the Consitution

6). President can remove Governor on the basis of

(a) misbehavior/misconduct   **(b)** incapacity

(c) violation of Constitution

(d) reasons for the removal of Governor have not been mentioned in the Constitution

7). The purpose of the Directive Principles of State Policy is to

(a) lay down positive instructions which would guide State policy at all levels

(b) implement Gandhiji's idea for a decentralized state

(c) check the use of arbitrary powers by the government

(d) promote welfare of the backward sections of the society

8). The economic survey of India is prepared by

(a) Department of economic affairs

(b) Central statistical office (CSO)

(c) National sample survey organization (NSSO)

(d) Office of Economic Advisor

9). In the third battle of Panipat, Marathas were defeated by:

(a) Afghans   **(b)** Mughals   **(c)** English

(d) Rohilas

10). Santhanam Committee is related to which of the following non-constitutional body?

(a) Intelligence Bureau

(b) Central Vigilance Commission   **(c)** Lokpal

(d) Human Rights Commission

11). Indian Constitution contains how many schedules?

(a) Ten Schedules   **(b)** Twelve Schedules

(c) Fourteen Schedules   **(d)** Eight schedules

12). Personal computers, digital television, email, robots, etc., are examples of which type of technology?

(a) Information technology

(b) Language laboratory

(c) Information Communication Technology

(d) None of the above

13). Which committee is related to Fundamental Duties?

(a) Justice Verma Committee

(b) Ashok Mehta Committee

(c) Mandal Committee   **(d)** Sarkaria Committee

---

14). Which vitamin is known as sunshine vitamin?

(a) Vitamin D   **(b)** Vitamin A   **(c)** Vitamin C

(d) Vitamin B

---

15). Planning Commission was abolished to form NITI Aayog, consider the following statements regarding NITI Aayog:

1) NITI Aayog is a statutory body.

2) NITI Aayog is formed by Presidential order.

3) NITI Aayog has no power to allocate funds to states.

Which of the statements given above is/are correct?

(a) 1 only   **(b)** 2 and 3 only   **(c)** 3 only

(d) 1,2 and 3

---

16). What is the product of a chemical reaction between an acid and a base?

(a) Acid   **(b)** Salt   **(c)** Base

(d) Sodium Hydroxide

---

17). Attorney General of India:

(a) is a constitutional body under Article 76

(b) holds office for a period of six years or upto the age of 65 years, whichever is earlier

(c) is debarred from private legal practice

(d) cannot take part in the proceedings of Parliament

---

18). Which of the following statements is incorrect about the Prime Minister and the Council of Ministers of India?

(a) Any person who is not a member of the Parliament can be appointed as the Prime Minister.

(b) The term of the Prime Minister is not fixed and he holds his office during the pleasure of the President.

(c) The total number of ministers, including the Prime Minister, in council of ministers shall not exceed 15% of the total strength of the Parliament.

(d) The Council of Ministers is collectively responsible to Lok Sabha but individually the ministers are responsible to the President.

---

19). Who presides over the Joint Session of Indian Parliament?

(a) Chairperson of Rajya Sabha

(b) Senior-most Member of Parliament

(c) Speaker of Lok Sabha   **(d)** President of India

---

20). Which disease is also known as Hansen's disease?

(a) Leprosy disease   **(b)** Alzheimer's disease

(c) Heart disease   **(d)** Cirrhosis disease

---

21). The President of India has the same powers and functions as _____.

(a) President of USA   **(b)** President of China

(c) President of Turkey   **(d)** Queen of Britain

---

22). Regional Rural Banks are sponsored by_____.

(a) Public Sector Banks   **(b)** Private Sector Banks

(c) Foreign Banks   **(d)** State Cooperative Banks

---

23). The purpose of the social reform movements in the 19th century was –

(a) to 'purify' and 'rediscover' an Indian civilization

(b) to increase the income of people of the lower caste

(c) to separate revolutionary activities from the nationalist movement

(d) to promote the policies of the British Government in the Indian National Congress

---

24). 'Environment Impact Assessment' in India is statutorily backed by:

(a) Wildlife Protection Act, 1972

(b) Environment Protection Act, 1986

(c) National Forest Policy, 1988

(d) Biological Diversity Act, 2002

---

25). Indus Valley Civilization is a:

(a) Copper Age Civilization

(b) Iron Age Civilization   **(c)** Axial Age Civilization

(d) Bronze Age Civilization

26). Article 67 with respect to the Vice-President deals with

(a) Election of Vice-President

(b) Oath or affirmation by the Vice-President

(c) Discharge of President's functions in other contingencies

(d) Term of office of Vice-President

27). Centre-State Relations mentioned in which schedule includes State, Union and Concurrent Lists?

(a) First   (b) Seventh   (c) Tenth   (d) Twelfth

28). In which of the following years, did India come under the direct rule of the British Crown?

(a) 1888   (b) 1878   (c) 1858   (d) 1868

29). Which of the following ocean currents is associated with Atlantic Ocean?

(a) Canary current   (b) Kuroshio current

(c) Agulhas current   (d) Oyashio current

30). Which Indian American has been appointed as the Acting Chief of Staff of the US Space Agency (NASA)?

(a) Raja Chari   (b) Tom Marshburn

(c) Bhavya Lal   (d) Matthias Maurer

31). Where was the 5th Joint Meeting of the India-Japan Act East Forum held?

(a) Pune   (b) New Delhi   (c) Ahmedabad

(d) Ranchi

32). Who among the following has been appointed as the new Director-General of the World Trade Organization?

(a) Ngozi Okonjo-Iweala   (b) Amina Mohammed

(c) Yoo Myung - Hee   (d) Li Ming Yu

33). The most significant industry in Mumbai-Pune Industrial region is:

(a) Cotton   (b) ICT   (c) Automobile   (d) Silk

34). In March 2021, the Central Government has announced the award of 'Gandhi Peace Prize' for the year 2020 for

(a) Yohi Sasakawa   (b) Sheikh Mujibur Rahman

(c) Chandi Prasad Bhatt   (d) Shinzo Abe

35). Who among the following has received the 'Best Actress' award at the Dada Saheb Phalke Awards for the year 2023?

(a) Deepika Padukone   (b) Priyanka Chopra

(c) Tapasi Pannu   (d) Alia Bhatt

36). 'Samia Suluhu Hassan' became the first woman President of which country?

(a) Kenya   (b) Nigeria   (c) Ghana   (d) Tanzania

37). The words "Court of Justice" is defined in which of the following section of Indian Penal Code (IPC)?

(a) IPC section 17   (b) IPC section 18

(c) IPC section 19   (d) IPC section 20

38). Which section of IPC deals with "Punishment for attempting to commit offences punishable with imprisonment for life or other imprisonment"?

(a) IPC Section 302   (b) IPC Section 308

(c) IPC Section 511   (d) IPC Section 309

39). Which of the following air pollutants may cause depletion of Ozone layer and global warming?

(a) Sulphur oxide   (b) Carbon monoxide

(c) Nitrogen oxide   (d) Chlorofluorocarbons

40). Which Commission was constituted by the Government of India on Centre-State relations?

(a) Mudaliar Commission

(b) Punchhi Commission   (c) Bhore Commission

(d) Kartar Singh Commission

41). How many such pairs of letters are there in the word DOMESTIC, each of which has many letters between them in the word as they have in the English alphabet?

(a) None   (b) One   (c) Two   (d) Three

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

(X)
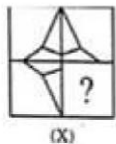
(a)   (b)   (c)   (d)

---

43). From the given answer figures, select the one in which the question figure is hidden/embedded.

(a)   (b)   (c)

(d)

---

44). Statement is given followed by two conclusions I and II. You have to consider the statement to be true even 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 statement.
Statement:
The manager humiliated Sachin in the presence of his colleagues.
Conclusions:
I. The manager did not like Sachin.
II. Sachin was not popular with his colleagues.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both conclusion I and II follow

(d) Neither conclusion I nor II follows

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45). Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.

Statement:
1) All elephants are men.
2) All men are socks.
Conclusion :
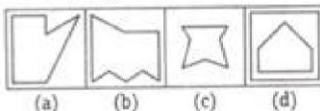I: Some socks are elephants.
II: All elephants are socks.

(a) Only Conclusion I follows

(b) Only Conclusion II follows

(c) Both Conclusions I and II follows

(d) Neither conclusion I nor II follows

---

46). From the given answer figures, select the one in which the question figure is hidden/embedded.

Question Figure:

Answer Figures:

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

(d) Figure (d)

**47).** In the following question, select the missing number from the given alternatives.

9	8	7
18	16	14
36	32	?

(a) 28   **(b)** 21   **(c)** 98   **(d)** 42

---

48). Abhinav travels 10 km north and turns left. Then he travels 6 km and turns right and cover another 7 km. He finally turns to right and travels another 6 km. How far (in km) is he from the point of starting his journey?

(a) 14   **(b)** 16   **(c)** 15   **(d)** 17

---

49). If the triangle represents chicken, circle as fish and square as meat. Which number can be indicated as the people who consume chicken and meat only.
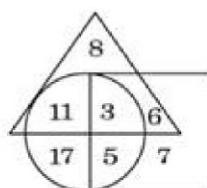
(a) 9   **(b)** 17   **(c)** 14   **(d)** 6

---

50). Based on the given statement and few conclusions, choose the statement which gives the correct conclusions:

Statement:
All Perfumes smell nice.
Perfume is made of chemical.
Conclusions:
1. All chemical smells nice.
2. No perfume smells bad.

(a) Only conclusion 1 follows

(b) Only conclusion 2 follows

(c) Either conclusion 1 or conclusion 2 follows

(d) Neither conclusion 1 nor conclusion 2 follows

51). X and Y are brothers. R is the father of Y. T is the sister of S who is maternal uncle of X. How is T related to R?

(a) Mother   (b) Wife   (c) Sister   (d) Brother

52). Pointing towards a girl, Rajan said, she is the daughter of my mother's daughter. Then how is the girl related to Rajan? (Rajan is a male.)

(a) Daughter   (b) Niece   (c) Nephew   (d) Uncle

53). Jyotsna is in the west of Pulkit who is in the north of Prerna. Prerna is in the north-west direction of Komal. Komal is in which direction with respect to Jyotsna?

(a) South-East   (b) East   (c) North-East

(d) South-West

54). Select the word-pair in which two words are related in the same way as are the two words in the following word pair.

Rooster : Hen

(a) Stallion : Mare   (b) Animal : Dog

(c) Girl : Aunt   (d) Apple : Fruit

55). In a code language, YOGHURT is written as 251578211820. How will DEVELOP be written as in that language?

(a) 45225121516   (b) 45225111516

(c) 45225121515   (d) 45215121516

56). Two statements are given, followed by three conclusions numbers I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
Some water are air.
Some air are fire.
Conclusions:
I. Some fire are water.
II. Some water can be fire.
III. No fire is water.

(a) Only conclusions I and III follow.

(b) None of the conclusions follows.

(c) Only conclusions III follows.

(d) Conclusion II and either conclusion I or III follows.

57). In a certain code language, CORONAVIRUS is written as SURIVANOROC. How will

PANDEMIC be written in the same code language?

(a) CILODNAP   (b) CIMEDKTP   (c) CIMEDNAP

(d) IHMEDNAP

58). Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
1. Some dancers are writers.
2. All writers are students.

Conclusions:
I. Some students are dancers.
II. Some students are writers.
III. No student is a dancer.

(a) Only conclusions II and III follow.

(b) Only conclusions I and II follow.

(c) All conclusions I, II and III follow.

(d) Either conclusion I or III follows.

Study the following information carefully and answer the following questions.

There are 7 people M, N, O, P, Q, R and S having different job titles. They all were born within 1993-1999 (both years included). No two of them were born in the same year. They have the following job titles: Painter, Pilot, Musician, Youtuber, Teacher, Doctor and Engineer but not necessarily in the same order. Only 2 people are older than P. Only 2 people were born between the Doctor and O, who is younger than the Doctor. The Youtuber is the youngest of them all. N was born in 1996 and became a teacher. S is older than the Engineer but younger than N. The Musician is older than the Teacher but younger than Q. The Pilot is not the oldest and M is not the youngest.

59). Who was born just before the Doctor?

(a) Teacher   (b) M   (c) Pilot   (d) Painter

60). Select the letter-pair that can replace the question mark (?) in the following series.

PR, NQ, LP, JO, ?

(a) HL   (b) GN   (c) HN   (d) HM

61). In a certain code language, 'PLANE' is written as 'VQEQG'. What is the code for 'ROUGH' in that code language?

(a) WTYIJ   (b) XTYJJ   (c) XSYIJ   (d) XTYJI

62). In a certain code language, 'EMPTYD' is written as 'CJNQWA'. What will be the code for 'VACANT' in that code language?

(a) UYAMYR **(b)** TXBXLQ **(c)** UYBYMR

(d) TXAXLQ

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63). Select the letter-pair that can replace the question mark (?) in the following series.

ABC, FGH, LMN, ?

(a) TUV **(b)** STU **(c)** RST **(d)** QRS

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64). In the following question, one statement is followed by two Assumptions I and II. You have to consider the statement to be true, even if they seems to be at variance from commonly known facts. You have to decide which of the given assumption(s), if any, follow(s) from the given statement.

Statement: "In India, seventy percent of annual rainfall occurs in monsoon season".

Assumptions:

I. In India, rainfall occurs only during monsoon.

II. Monsoon does not contribute much to the rainy season in India.

(a) If only assumption I is implicit.

(b) If only assumption II is implicit.

(c) If neither I nor II is implicit.

(d) If both I and II are implicit.

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65). 1st January 2013 was Wednesday so what was the day of the week on 31 December 2013?

(a) Tuesday **(b)** Wednesday **(c)** Thursday

(d) Friday

---

66). Select the number that can replace the question mark (?) in the following series.
2, 6, 38, ?

(a) 1444 **(b)** 1446 **(c)** 1448 **(d)** 1450

---

67). In the following question, one statement is followed by two Assumptions I and II. You have to consider the statement to be true, even if they seems to be at variance from commonly known facts. You have to decide which of the given assumption(s), if any, follow(s) from the given statement.

Statement: "Peace and justice are the two side of the same coin.

Assumptions:

I. Peace and justice cannot coexist.

II. Peace and justice thrive together.

(a) If only assumption I is implicit.

(b) If only assumption II is implicit.

(c) If neither I nor II is implicit.

(d) If both I and II are implicit.

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68). Select the option in which the words share the same relationship as that shared by the given pair of words.

Petrol : Car :: _____ : _____ ?

(a) Glasses : Eyes **(b)** Bulb : Light

(c) Water : Bucket **(d)** Ink : Pen

Direction: A question and two statements labelled (I) and (II) are given. You have to decide which statement(s) is/are sufficient to answer the question.

**69).** In which year Manish was born?
Statements:
I. Manish is 30 years younger than his father.
II. Manish's sister, who is 25 years younger than her father and she was born in 1980

(a) Only statement I is sufficient.

(b) Only statement II is sufficient.

(c) Data is not sufficient.

(d) Both I and II together are sufficient.

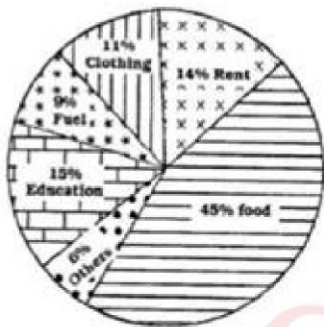**70).** Select the Venn diagram that best illustrates the relationship between the following classes.

Blueberries, Bing cherry, Bananas.

(a)

(b)

(c)

(d)
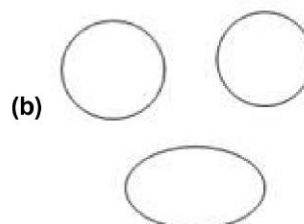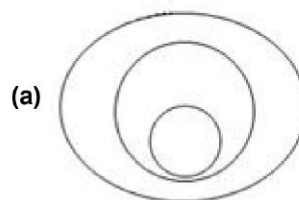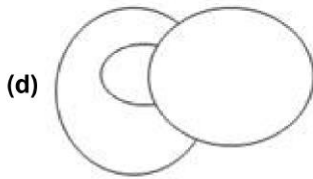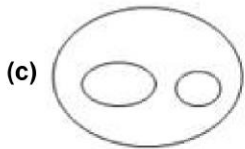
The pie chart given below shows the spending of a family on various heads during a month. Study the graph and answer the questions:

71). Expenditure on Rent is what percent of expenditure on Fuel?

(a) 135%   **(b)** 156%   **(c)** 167%   **(d)** 172%

72). If the total income of the family is ₹ 25,000, then the amount spent on Rent and Food together is

(a) ₹ 17,250   **(b)** ₹ 14,750   **(c)** ₹ 11,250

(d) ₹ 8,500

73). The sum and product of two numbers are 10 and 24 respectively. The sum of their reciprocals is how much?

(a) $\frac{1}{2}$ **(b)** $\frac{5}{12}$ **(c)** $\frac{7}{12}$ **(d)** $\frac{12}{5}$

74). A book shelf has 10 blocks and each block can hold one book. What are the maximum number of ways in which a user can arrange 9 identical books on this book shelf?

(a) 10!   **(b)** 10^{10} **(c)** 10   **(d)** 2^{10}

75). The average marks of a class of 35 children is 35. The marks of one of the students, who got 35, was incorrectly entered as 65. what is the correct average of the class?

(a) 33.76   **(b)** 34.14   **(c)** 35.24   **(d)** 36.50

76). 12 monkeys can eat 12 bananas in 12 minutes. In how many minutes can 4 monkeys eat 4 bananas?

(a) 10   **(b)** 12   **(c)** 4   **(d)** 8

77). A container contains a mixture of water and milk in the ratio of 7:5 and another container contains the ratio of water and milk in 7:9. How many litres of the first mixture is added in the 20 litres of the second mixture to make the Ratio in 1:1?

(a) 20 lit   **(b)** 15 lit   **(c)** 12 lit   **(d)** 10 lit

78). If the number of sides of a regular polygon is 10. Find the interior angle of the polygon.

(a) 144   **(b)** 180   **(c)** 244   **(d)** 186

79). What is the sum of first 40 terms of: 1 + 3 + 4 + 5 + 7 + 7 + 10 + 9 + ... upto 40 terms?

(a) 1010   **(b)** 1115   **(c)** 1030   **(d)** 1031

80). If a certain sum becomes 3 times in 6 years at compound interest, then in how many years, it will become 81 times?

(a) 81   **(b)** 162   **(c)** 27   **(d)** 24

81). An amount was lent for one year at the rate of 10% per annum compounding annually. Had the compounding been done half yearly, the interest would have increased by 80. What was the amount (in Rs) lent?

(a) 16000   **(b)** 32000   **(c)** 48000   **(d)** 64000

82). A container contains 40 liters of milk. From this container 4 liters of milk was taken out and replaced by water. This was repeated further for two times. How much milk is now contained in the container?

(a) 29 liters   **(b)** 30.1 liters   **(c)** 29.16 liters

(d) 28.64 liters

83). Two numbers are in the ratio 5: 11. If their HCF is 24, then the sum of two these numbers is:

(a) 384   **(b)** 408   **(c)** 120   **(d)** 264

84). A goes to a mall from his house on a cycle at 8km/h and comes back to his house on a cycle at 6 km/h. if he takes 1 hour 10 minutes in all, what is the distance between his house and the mall?

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

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85). The value of $\dfrac{1}{3} \div \dfrac{5}{6} \times \dfrac{-5}{8}$ is equal to:

(a) 1   **(b)** $\dfrac{1}{4}$ **(c)** $\dfrac{-1}{4}$ **(d)** 0

---

86). A manufacturer sells the product to a wholesaler at 6% profit, the wholesaler sells the product to a retailer at 8% profit and the retailer sells the product to his customer at 10% profit. The price paid by the customer is ₹ 31,482. The cost of the product to the manufacturer is:

(a) 28, 306   **(b)** ₹ 26, 524   **(c)** 25,000

(d) ₹ 26, 980

---

87). A scored 73, 76, 20 and 7 runs in four out of five innings. What should be his score in the fifth inning, if he has to make an average of 55 runs in five innings?

(a) 99   **(b)** 11   **(c)** 55   **(d)** 42

---

88). The efficiencies of A, B and C are in the ratio 4:5:6. Working together, they can complete a work in 12 days. In how many days will A alone be able to complete that work?

(a) 45   **(b)** 36   **(c)** 30   **(d)** 40

---

89). $(24 \div 6 - 2) + (3 \times 2 + 4)$ is equal to:

(a) 12   **(b)** 24   **(c)** 16   **(d)** 20

---

90). If $49\sqrt{7} \times 7^4 \div 7^{-5/2} = 7^{x+1}$; then x is equal to:

(a) 3   **(b)** 5   **(c)** 9   **(d)** 8

---

91). A water pipe is cut into two pieces. The longer piece is 65% of the length of the pipe. By how much percentage is the longer piece longer than the shorter piece?

(a) 130%   **(b)** 600/7%   **(c)** 30%

(d) None of the above

---

92). If a : b : c = 1 : 3 : 5. what is the value of $\dfrac{4a - b + 2c}{3(a + b + c)}$?

(a) $\dfrac{8}{27}$ **(b)** $\dfrac{10}{27}$ **(c)** $\dfrac{11}{27}$ **(d)** $\dfrac{1}{3}$

---

93). What is the simplified value of

$$\left(1 - \cfrac{1}{4 - \cfrac{2}{1 + \cfrac{1}{\frac{1}{3} \div 2}}} \right) \times \dfrac{15}{16} \div \dfrac{2}{3} \text{ of } 2\dfrac{1}{4} - \dfrac{3 \div 4}{3^3 \div 4^3} \ ?$$

(a) $\dfrac{5}{13}$ **(b)** $\dfrac{4}{13}$ **(c)** $\dfrac{8}{13}$ **(d)** $\dfrac{6}{13}$

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94). Two trains running in opposite directions on parallel tracks, at speeds of 42 km/h and 57 km/h, take 18 seconds to cross each other. If the length of one train is 270 m, then the length of the other train is:

(a) 250 m   **(b)** 225 m   **(c)** 230 m   **(d)** 242 m

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95). In the given figure, if $\angle APO = 35^\circ$, then which of the following options is correct?
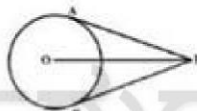
(a) $\angle BPO = 55^\circ$ **(b)** $\angle APB = 80^\circ$

(c) $\angle BPO = 35^\circ$ **(d)** $\angle APB = 60^\circ$

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96). Out of their respective monthly salaries, Sonal and Tanya spend 76% and 68% on various household expenses. The sum of remaining salary with Sonal and Tanya together is Rs 18560. If Tanya's salary is 30% less than that of Sonal's what is Tanya's monthly salary?

(a) Rs. 28000   **(b)** Rs. 32000   **(c)** Rs. 34000

(d) Rs. 30000

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97). If $x\left(3 - \dfrac{2}{x} \right) = \dfrac{3}{x}$, then the value of $x^3 - \dfrac{1}{x^3}$ is equal to:

(a) $\dfrac{8}{27}$ **(b)** $\dfrac{61}{27}$ **(c)** $\dfrac{62}{27}$ **(d)** $\dfrac{52}{27}$

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98). When 5 children from class A join class B, the number of children in both classes is the same. If 25 children from B, join A, then number of children in A becomes double the number of children in B . The ratio of the number of children in A to those in B is:

(a) 19 : 18   **(b)** 9 : 8   **(c)** 18 : 17   **(d)** 19 : 17

99). The base of right pyramid is an equilateral triangle with side 8 cm and its height is 30√3 cm. The volume (in cm^3)

(a) 240√3 **(b)** 360√3 **(c)** 480 **(d)** 360

100). If $x^2 + \frac{1}{x} = 7$ then find the value of $\frac{x^6 + x^3}{x^3 - 6x + 1}$.

(a) 6x^2 **(b)** 7x^3 **(c)** 6x^3 **(d)** 7x^2