RRB NTPC

TEST SERIES

DATE- __/__/_
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INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 11

QUESTION- 100

MARKS-100

NEGATIVE MARK- 1/3

DURATION- 90 MIN.

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 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.
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the same form as the given pair.

Sphere: Hemisphere

(A) Full Moon: New Moon

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RRB NTPC Set 11 Total: 100 Que. Time: 90 Min. (B) Desktop: Table RRB NTPC CBT I (C) Square: Triangle 1). F's father is the son-in-law of her mother's (D) Full Day: Night husband. How is F related to G's father? (a) B (b) C (c) D (d) A (A) Father (B) Grandfather 6). Recently, how many medals has Team India (C) Uncle won in the 17th "International Astronomy Olympiad"? (D) Cousin (a) Seven (b) Four (c) Five (d) Three (a) C (b) A (c) B (d) D 7). Find the similarity in the following 2). Which Indian researcher has recently termed Einstein's mass energy equation $E = mc^2$ as Pegwin, Ostrich, Kiwi, Emu inadequate and disputable only under certain (A) They are all deserts. circumstances? (B) They are all mammals (A) Vasudevan Mukunth (C) They are all sea birds (B) Rajendra Pachauri Spardhaguru Ind (D) None of these can fly (C) Ajay Sharma (D) Krishna Palam (a) D (b) B (c) A (d) C (a) A (b) C (c) D (d) B 8). Who discovered penicillin? (A) Ernest Duchesne 3). What is AESTIVATION? (A) Animal sleep (B) Vincenzo Tiberio (C) Alexander Fleming (B) Death due to lack of food (D) Howard Walter Florey (C) water retention (D) a stage in dreaming (a) C (b) D (c) A (d) B (a) B (b) D (c) A (d) C 9). X and Y can finish a work in 6 days. If x alone can finish the same work in 9 days, then how many days will y alone take to finish the same 4). Recently, the Chief Minister of Bihar work? inaugurated a state-of-the-art sports academy and sports university at which place? (A) 15(B) 12(a) Patna (b) Rajgir (c) Gaya (d) Nalanda (C) 185). Select the option that shows the relationship in (D) 21

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

15). If LONDON is 927127 and NORMAL is 728359, then RANDOM is
(A) 857125
(B) 857213
(C) 857123
(D) 857215
(a) A (b) B (c) C (d) D
16). An Assertion (A) and a Reason (R) are given below.
Assertion (A): Cod liver oil is a good source of vitamin D.
Reason (R): Cod liver oil is extracted from the liver of cod fish.
choose the right option.
(A) Both A and R are true and R is the correct explanation of A
(B) Both A and R are true, but R is not the
correct explanation of A.
(C) A is correct, but R is false
(D) A is false, but R is correct.
(a) B (b) A (c) D (d) C
17). Who are Baudhayana, Manav, Apastamb and
Katyayana?
(A) Ancient Indian kings, who come to Dashavatar
(B) Ancient Indian Mathematicians
(C) Ancient Indian Sufi Saints
(D) Ancient Indian Kshatriya
(a) A (b) D (c) C (d) B
(a) A (b) b (c) C (d) b
Read the following information carefully and answer the questions based on it.
Five things - turmeric, chili, salt, sugar and pepper are placed in five bottles in a row, in a
row in random order. (Left to right)
 There is neither pepper nor chilli in the middle bottle.
2. The last bottle does not contain sugar,

turmeric or chilli.

3. There is neither chili nor sugar in the bottle

(D) Adversity: Prosperity

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

4. There is salt in the second bottle from the left.	
(Left to right)	23). India is a republic. What does republic mean?
18).	(A) Ruler is king or queen
The bottle on the far right is	(B) The ruler is a direct descendant of the king or queen
(A) Chili	(C) The head of state is indirectly elected by his
(B) Black pepper	people
(C) Sugar	(D) The day when India became independent
(D) Turmeric	(a) D (b) B (c) A (d) C
(a) B (b) C (c) A (d) D	
19). First bottle has	24). The difference between simple interest and compound interest on a fixed sum of 5% for 3 years is ₹ 14.48. Find the principal
(A) Black Pepper	(A) ₹ 1850
(B) Chili	(B) ₹ 1999
(C) Sugar	(C) ₹ 1899
(D) Turmeric	(D) ₹ 2160
(a) C (b) A (c) B (d) D	(a) B (b) C (c) A (d) D
(10,0)	
20). Sugar is in the bottle from left.	25). Einstein's Theory of Special Relativity was
(A) First Spardhaguru	
(B) Third	(A) 1915
(C) Fourth	(B) 1905
(D) Fifth	(C) 1947
(a) B (b) C (c) A (d) D	(D) 1906
	(a) C (b) A (c) D (d) B
21). Whose autobiography is 'Life on my terms'?	26). If GUWAHATI is written as FTVZGZSH, then
(A) Sharad Pawar	CHANDIGARH will be written
(B) Shashi Tharoor	(A) BGZMCHFZQG
(C) Chetan Bhagat	(B) BGZMHCFZQG
(D) Pranab Mukherjee	(C) BGZMHCZEQG
(a) A (b) C (c) B (d) D	(D) BGZMCHEZQG
22). If Excellent: Outstanding, then Awesome:	(a) C (b) A (c) D (d) B
(A) Incredible	27). 50 pens, 80 pencils and 65 scales were
(B) Awful	evenly distributed among some students and it was found that 5 of each item were not
(C) Clumsy	distributed. Find the number of students.
(D) Wary	(A) 5
4.5 #.0 4.4 4.5 F	(B) 20

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

(D) 10	
(a) C (b) A (c) D (d) B	Conclusion
	I. All dark chocolate is bitter.
28). Recently, which country has won the Under-	II. There is at least one sweet chocolate, which is white.
20 SAF Football Championship? (a) Nepal (b) Bangladesh (c) India	Which of the given conclusions logically follows from the given statements?
(d) Sri Lanka	(A) Only conclusion I Follows
	(B) Only conclusion Follows
29). Looking at a picture, Pushpa said, "This	(C) And Both follow
man's wife is Lakshmi, the mother of my daughter's aunt". How is Pushpa related to	(D) And Both don't follow
Lakshmi?	(a) D (b) A (c) C (d) B
(A) mother-in-law	
(B) Grandmother	33). On which hill is the famous Tirumala temple located?
(C) Mother	
(D) daughter-in-law	(A) Seshadri
(a) C (b) A (c) B (d) D	(B) Neeladri
	(C) Narayanadri
30). If a towel was sold at a profit of 12%, the	(D) Venkatadri
selling price would have been increased by ₹ 25, the profit would have been 32%. Find the	(a) D (b) A (c) C (d) B
cost price of the towel Spardhaguru	India Private Limited
(A) ₹ 140	34). If $Y^2 + Y = 12$, then $Y = ?$
(B) ₹ 175	(A) 2
(C) ₹ 160	(B) -1
(D) ₹ 125	(C) 4
(a) B (b) A (c) D (d) C	(D) 3
31). Which of the following contains ethanoic acid?	(a) D (b) A (c) C (d) B
(A) Lemon juice	 Some conclusions are given below with some statements.
(B) Orange juice	Statement
(C) White vinegar	1. Increased concentration of greenhouse gases
(D) Tomato catch	is one of the main causes of climate change.
(a) C (b) A (c) D (d) B	CO₂ is the major component of greenhouse gases.
20)	The conclusion
 Some conclusions are given below with some statements 	I. If greenhouse gases are removed then climate change will not occur.
Statement	

A. Some chocolates are bitter, some sweet and

some have a sour taste.

B. All bitter chocolates are dark and some white

II. The adverse effect of climate change is due to CO_2 only.

chocolates are sweet.

(C) 15

Which of the given conclusions logically follows from the given statements?	(a) B (b) A (c) C (d) D
(A) Only conclusion I Follows	40). Anita's mother's brother is Veena's father's
(B) Only conclusion II Follows	father's son's son. Veena's grandfather has two
(C) I and II both follow.	daughters and a son. How is Anita's mother related to Veena?
(D) I and II both don't follow	(A) Mother
(a) B (b) A (c) D (d) C	(B) Sister
	(C) Aunt
36). What is the difference between an Aardvark and Aardwolf?	(D) Grandmother
(A) Aardvark is a carnivore and Aardwolf is a vegetarian	(a) A (b) D (c) C (d) B
(B) Aardvark looks like a pig and Aardwolf looks like a hyena.	41). Which village in Shivamogga district of Karnataka uses Sanskrit in everyday
(C) Aardvark is an amphibian and Aardwolf is a	conversation?
mountain wolf	(A) Jhiri
(D) Aardvark is a vegetarian and Aardwolf is an insectivore	(B) Ganora
(a) A (b) D (c) C (d) B	(C) Mattur
(4) / (5) 5 (6) 5 (4) 2	(D) Shyamsunderpur
37). Who is Chanda Kochhar?	(a) C (b) A (c) D (d) B
(A) ICICI Bank, CEO and MD of India	
(B) Founder of Flipkart Spardhagur	42). LEDs and CFLs are replacing ordinary bulbs for lighting because of their
(C) Indian Olympic gold medalist	(A) Energy efficiency
(D) An Indian astronaut	(B) Strength
(a) C (b) A (c) B (d) D	(C) Easy availability
	(D) convenient settlement
38). A 150 m long train is running at a speed of 54 km / h. Find the time taken by the train to cross a pole.	(a) A (b) D (c) C (d) B
(A) 8 seconds	43). What type of material was the
(B) 10 seconds	Brihadeeswarar temple built?
(C) 12 seconds	(A) Soap Stone
(D) 15 seconds	(B) Granite
* *	(C) Sandstone
(a) C (b) D (c) A (d) B	(D) Marble
39). The product of two consecutive even numbers is 528, find the smallest number.	(a) D (b) A (c) C (d) B
(A) 18	44). Which is the lowest among the following?
(B) 20	34, 35, 37, 38, 311
(C) 22	(A) 34
(D) 24	
` '	(B) 37

(C) 311	(C) Rajiv Gandhi
(D) 38	(D) Narendra Modi
(a) A (b) D (c) C (d) B	(a) A (b) D (c) C (d) B
45). Man belongs to the Memelia (mammal) class,	50). Simplify (135-12)÷(12+15)
which does not contain one of the following. Which one is that?	(A) 7/11
(A) Rat	(B) 11/7
(B) Lizard	(C) 8/11
(C) Cat	(D) 11/8
(D) Pig	(a) A (b) D (c) C (d) B
(a) A (b) D (c) C (d) B	
(a) A (b) B (c) C (a) B	51). Who first separated DNA?
46). What is Gurushkhar?	(A) Friedrich Miescher
(A) Highest peak in Aravali range	(B) Albrecht Kossel
(B) A famous Sikh poet	(C) Phobus Laverne
(C) An ancient Indian Sufi saint	(D) James Watson and Francis Crick
(D) Nineteenth century literature	(a) A (b) D (c) C (d) B
(a) A (b) D (c) C (d) B	
	52). The ratio of the age of 2 brothers is 5: 8 and the difference between their ages is 12, find
47). What is Mycology? Spardhagu	rru Ind their age ate Limited
(A) Study of bacteria	(A) 20, 32
(B) Study of mushrooms	(B) 16, 28
(C) Study of virus	(C) 18, 30
(D) Study of Parasites	(D) 22, 34
(a) A (b) D (c) C (d) B	(a) A (b) D (c) C (d) B
48). Which city will host the 2020 Summer Olympics?	53). Sub-atomic particles that have opposite properties from normal sub-atomic particles are known by what name?
(A) Rio de Janeiro	10000000000000000000000000000000000000
(B) Madrid	(A) Positron
(C) Tokyo	(B) Antimatter
(D) Chicago	(C) Photon
(a) A (b) D (c) C (d) B	(D) Neutrino (a) A (b) D (c) C (d) B
	/-/·· /-/ - /-/ - /-/ -
49). Which of the following Prime Ministers was born after the independence of India?	54). A takes a fixed amount from a bank at a rate of 8% interest with interest compounded half-yearly. If he paid Rs. 196851 after one and a half years, then find the principal.
(A) Manmohan Singh	(A) ₹ 168000

(B) IK Gujral

- (B) ₹ 175000
- (C) ₹ 179000
- (D) ₹ 184000
- (a) A (b) D (c) C (d) B
- **55).** In a group of 100 people, 86 either like cold drinks or ice cream. If 62 people like cold drinks and 21 like both, then what is the number of people who like ice cream?
 - (A) 41
 - (B) 45
 - (C) 54
 - (D) 48
- (a) A (b) D (c) C (d) B
- **56).** $5(10)^4 + 6(10)^3 + 4(10) 3(1/100) = ?$
 - (A) 54060.03
 - (B) 54309.97
 - (C) 56407.00
 - (D) 56039.97
- (a) A (b) D (c) C (d) B
- **57).** Choose the correct sequence of computer generation from 1 to 5
 - (A) Vacuum tubes, transistors, integrated circuits, VLSI microprocessors, ULSI microprocessors
 - (B) Transistors, vacuum tubes, integrated circuits, VLSI microprocessors, ULSI microprocessors
 - (C) Transistors, vacuum tubes, ULSI microprocessors, integrated circuits, VLSI microprocessors
 - (D) Vacuum tubes, transistors, integrated circuits, ULSI microprocessors, VLSI microprocessors
- (a) A (b) D (c) C (d) B
- **58).** Which of the following is false about Sir CV Raman?
 - (A) He was awarded the Bharat Ratna in the year 1954
 - (B) He won the Nobel Prize in the year 1930

- (C) He was born in the year 1888 in Tamilnadu.
- (D) He was given the title of Knight in the year 1987
- (a) A (b) D (c) C (d) B
- **59).** A shopkeeper has an inventory of bath soaps for sale based on the following criteria.
 - 1. Bath soap that costs between ₹ 15 and ₹ 35 per soap.
 - 2. There should be a weekly sale of at least 90 units of soap.
 - 3. They should have a special scent.

Which of the following soaps can definitely be found in his shop?

- (A) L which has rose fragrance, its price per unit is ₹ 27 and sells 85 units in a week.
- (B) M is priced at ₹ 31.50 per unit, has fragrance of sandalwood and sells 73 units in a week.
- (C) 95 units of H are sold in a week, at a price of ₹ 24.5 per unit and it has a mild aroma.
- (D) S is priced at ₹ 19 per unit. It is a detergent cake and sells 120 units a week.
- (a) A (b) D (c) C (d) B
- **60).** Find the median of the following set of numbers.

2, 3, 4, 3, 0, 5, 1, 1, 3, 2

- (A) 0
- (B)3
- (C) 2.5
- (D) 2.4
- (a) A (b) D (c) C (d) B
- **61).** $1 + \tan^2 2 = ?$
 - (A) cot θ
 - (B) $sec^2 2 \theta$
 - (C)sec 2 θ
 - (D) cosec θ
- (a) A (b) D (c) C (d) B
- **62).** When I go alone to my farmhouse, I drive my car at a speed of 80 km / h non-stop. But when I travel with my family, I travel the same distance

at a speed of 60 km / h with stagnation. How long is the stay in each hour?	66). Who is the author of Pancha-Siddhantika, Vrhatsamhita and Sankhya-Siddhanta?
(A) 10 minutes	(A) Aryabhata
(B) 12 minutes	
(C) 15 minutes	(B) Brahmagupta
(D) 20 minutes	(C) Bhaskaracharya
(a) A (b) D (c) C (d) B	(D) Varahamihira
	(a) A (b) D (c) C (d) B
63). Find the value of 0.08 × 0.23 ÷ 0.004.	
(A) 46	67). What will come in place of question mark (?) In the given series?
(B) 4.6	6, 14, 24, 36, ?, 66, 84
(C) 0.046	(A) 40
(D) 0.0046	
, ,	(B) 50
(a) A (b) D (c) C (d) B	(C) 42
64). 3 years ago John was 12 years old and	(D) 43
Shankar was 15 years old. What will be their average age after 5 years from today?	(a) A (b) D (c) C (d) B
(A) 21.5	68). In a specific code, doctors are ethical as
(B) 22.5	'921', 'medicines are costly' as 526 and 'medicines are prescribed by doctors' as 28693.
(C) 18.5	Which number represents 'medicines'?
(D) 19.5	I India Private Limited
(a) A (b) D (c) C (d) B	(B) 2
	(C) 5
65). Read the following and answer the question	(D) 6
based on it.	(a) A (b) D (c) C (d) B
We have come a long way from the Stone Age to the Digital Age. The Internet has changed the	
way we study, chat, work, play and spend money. Information is only one click away. This has made life and systems much easier than before. Today the Internet has become more of	69). If the mathematical operator '+' means '÷', 'x' means '-' and '÷' means 'x' then what will be the value of 81 + 3 × 6 ÷ 15 + 3?
a necessity than a luxury, but it also has its	(A) -3
disadvantages. Which of the given conclusions does the statement give?	(B) 3
(A) Internet is a luxury that is not in everyone's	(C) 6
hands.	(D) -4
(B) Stone Age man invented the internet which we are using today.	(a) A (b) C (c) D (d) B
(C) We spend money on internet without saving.	
(D) Information is easily accessible through the Internet.	70). The HCF of 252, 294 and 3 # 8 is 42. what is #?
(a) A (b) D (c) C (d) B	(A) 2
	(B) 4

(C) 7

(D) 8 (a) A (b) D (c) C (d) B	74). Those who like Star B only have a ratio of those who like Star A only.
71). Which is the commonly spoken language in Tamil Nadu and Sri Lanka?	(A) 1/5 (B) 8/5
(A) Tamil	(C) 9/5
(B) Sinhalese	(D) 11/5
(C) Telugu	(a) A (b) D (c) C (d) B
(D) Kannada	
(a) A (b) D (c) C (d) B	75). What is the ratio of those who like both stars A and B to those who like only C?
72). A major tectonic plate — the Indian plate	(A) 2/10
(where India is located), is separated from which	(B) 15/10
ancient continent?	(C) 18/10
(A) Rodinia	(D) 3/10
(B) Panocia	(a) D (b) A (c) C (d) B
(C) Pangea	
(D) Gondwanaland (a) A (b) D (c) C (d) B	76). There is a difference in the number of people who like the three stars and who like only the stars B and C.
	(A) 120
73). Terracotta Army (a collection of terracotta statues) depicts the armies of the first emperor agus of which country?	
(A) China	(C) 100
(B) North Korea	(D) 130
(C) Thailand	(a) A (b) D (c) C (d) B
(D) Japan	77). Which signs should be interchanged to
(a) A (b) D (c) C (d) B	correct the equation given below?
	$-4 - 13 \div 7 + 6 \div 7 \times 1 = 5$
Study the following picture and answer the	(A) × and ÷
questions based on it.	(B) - and ×
This picture shows the number of people in the society who like Bollywood stars A, B and	(C) + and -
s and selly mode out of the difference of the sell of	(D) + and ×
80 30 Stor A	(a) A (b) D (c) C (d) B
20 150 10 Star B	78). What is the Place value of 8 in 634785?

(A) 8

(B) 80

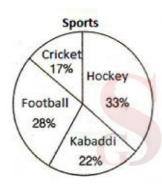
(C) 800

(D) 80000

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

- **79).** Which of the following does not have magnetic properties like a permanent magnet?
 - (A) Nickel
 - (B) Iron
 - (C) Aluminum
 - (D) Magnet stone
- (a) A (b) D (c) C (d) B

Directions (Q. 80-82) This pie chart shows the games played by the students of a school. Consider the pie chart and answer the questions based on it.



80). Sector angle related to cricket is

- (A) 118.8°
- (B) 100.8°
- (C) 79.2°
- (D) 61.2°
- (a) A (b) D (c) C (d) B
- **81).** If there are 700 students in total, what is the difference between those who like hockey and those who like football?
 - (A) 35
 - (B) 77
 - (C)84
 - (D) 112

1

- (a) A (b) D (c) C (d) B
- **82).** The ratio of students who like kabaddi compared to football is
 - (A) 14/11
 - (B) 22/17
 - (C) 11/14
 - (D) 17/22
- (a) A (b) D (c) C (d) B
- **83).** 'Live as if it is your last day, learn that you will live forever', by whom are these words uttered?
 - (A) Mahatma Gandhi
 - (B) Jawaharlal Nehru
 - (C) APJ Abdul Kalam
 - (D) Chanakya
- (a) A (b) D (c) C (d) B
- 84). Who is Joaquin 'Al Chapo' Guzman?
- Spandhaguru Ind (A) Youngest living man of height
 - (B) Hollywood film director
 - (C) Brazilian Football Star
 - (D) Mexican Drug Lord
 - (a) A (b) D (c) C (d) B
 - **85).** Where are involuntary muscles in a human body?
 - (A) Limb
 - (B) Brain
 - (C) Heart
 - (D) Language
 - (a) A (b) D (c) C (d) B
 - 86). What is Meliodosis?
 - (A) Skin rash
 - (B) loss of memory
 - (C) Infectious diseases
 - (D) Chronic pain in joints

(a) A (b) D (c) C (d) B	(a) A (b) D (c) C (d) B
87). If $5\tan\theta = 4$, find the value of $(3\sin\theta - 2\cos\theta)$ ÷ $(2\sin\theta + 3\cos\theta)$.	92). The ratio of the angles of a triangle is 2: 4: 3, what type is this triangle?
(A) 6/23	(A) A right triangle
(B) 2/23	(B) An acute triangle
(C) 4/23	(C) A obtuse triangle
(D) 5/23	(D) An equilateral triangle.
(a) A (b) D (c) C (d) B	(a) A (b) D (c) C (d) B
88). The two complementary angles are (x + 38)° and (3x - 58)°. Find the greater angle of the two.	93) is the largest chord of the circle. (A) circumference
(A) 74°	(B) Vyas
(B) 88°	(C) Radius
(C) 92°	(D) Sector
(D) 106°	* *
(a) A (b) D (c) C (d) B	(a) A (b) D (c) C (d) B
89). What is Geodesy?	94). What is English ivy?
(A) A branch of aeronautics	(A) A famous football league
(B) Study of icebergs Spardhaguru	(B) A purple colored flower
(C) Study of mountains	(C) A common poisonous plant in USA
(D) Which is the branch of mathematics, which	(D) A type of English tea
is related to the size and area of the Earth?	(a) A (b) D (c) C (d) B
(a) A (b) D (c) C (d) B	
90). A trader marks 25% more than the cost price	95). A collection of beliefs and practices aimed at improving the genetic quality of the human population is called the field of genetics.
on his goods and gives a discount of 8%. What is his profit percentage?	(A) Genetic Engineering
(A) 10%	(B) Cloning
(B) 15%	(C) Embryo selection
(C) 12%	(D) Eugenics
(D) 25%	(a) A (b) D (c) C (d) B
(a) A (b) D (c) C (d) B	
94) What is an Abalana?	96). If PROPERTY = RTQRGTVA, then HANDSOME =?
91). What is an Abalone?	(A) JCPFUGOQ
(A) A big star	(B) JCPFUOQG
(B) A small fighter aircraft	(C) JCPFUQGO
(C) An underground city	(D) JCPFUQOG
(D) A deviant sea snail	

- (a) A (b) D (c) C (d) B
- 97). Simplify and find the coefficient of 'C'.

- (A) -4/3
- (B) 3/2
- (C) 12/5
- (D) 5/7
- (a) A (b) D (c) C (d) B
- **98).** In 24 hours, how many times do hour-long needles and minute-point needles overlap each other?
 - (A) 20
 - (B) 21
 - (C) 22
 - (D) 24
- (a) A (b) D (c) C (d) B

- **99).** 144 pencils were purchased at the rate of ₹ 22.50 per dozen. If each pencil is sold at the rate of ₹ 2.25, what is the percentage?
 - (A) 12%
 - (B) 17.5%.
 - (C) 20%
 - (D) 25%
- (a) A (b) D (c) C (d) B
- **100).** Find the mean of the following set of numbers.
 - 8, 0, 5, 3, 2, 9, 1, 5, 4, 7, 2, 5
 - (A)5
 - (B) 4.25
 - (C) 4.63
 - (D) 4.87
- (a) A (b) D (c) C (d) B

Spardhaguru India Private Limited