1. If a body of mass m is moving	9. Who another to how merchication opporting com/farther name
on a circular path of radius R	'First Law Officer' of the Gov- (3) Spain (4) France
with uniform velocity v, then	ernment of India?
the centripetal force is:	(1) The Solicitor General of tries won the ICC Champions
mv^2 1 2	India Trophy 2013?
(1) $\frac{\text{mv}^2}{\text{R}}$ (2) $\frac{1}{2}$ mv ²	(2) The Attorney General of (1) England
K and a section	India (2) Sri Lanka
mv 1 mv ²	(3) The Chief Justice of India (3) India
(3) $\frac{\text{mv}}{\text{R}}$ (4) $\frac{1}{2} \frac{\text{mv}^2}{\text{R}}$	(4) The Comptroller & Auditor (4) South Africa
2 10	General of India 18. Nobel Prize is not given in
2. The SI unit of resistance is:	10. What is the strength of the which of the following fields?
(1) Joule (2) Ohm	Bihar Legislative Assembly ? (1) Physics (2) Biology
(3) Newton (4) Ampere	(1) 403 (2) 243 (3) Chemistry (4) Peace
3. When an iron nail gets rust-	(3) 294 (4) 200 19. Wankhede Stadium is situat-
ed, the weight of nail: (1) increases	11. The highest Commissioned ed in :
(1) increases (2) decreases	Rank of the Indian Air Force (1) Mumbai (2) Nagpur
	is: (3) Pune (4) Bengaluru
(3) neither increases nor de-	(1) Air Chief Marshal 20. "The Leaning Tower of Pisa" is
creases	(2) Admiral situated in :
(4) None of these	(3) Air Commodore (1) France (2) England
4. The element common to all	(4) Brigadier (3) Egypt (4) Italy
acids is:	12. The largest animal fair of In-
(1) oxygen (2) chlorine	dia is organised in : what will be the 21st term?
(3) sulphur (4) hydrogen	(1) Samastipur (1) 117 (2) 121
5. The main constituents of	(2) Hajipur (3) 123 (4) 129
'Bronze' are :	
(1) Cu and Ni	(3) Sonepur (4) Darbhanga 22. Choose the correct alternative that will continue the same
(2) Cu and Zn	(1) Dai Grida ga
(3) Cu and Sn	10. Willo afficing the following was
(4) Zn and Sn	the list wonair ottage of the
6. The plan for transfer of power	11 12 14 16 2
to the Indians and partition of	
the country was laid down in:	(2) Meera Sahib Fatima Bibi
(1) Cabinet Mission Plan	(3) Sujata V. Manohar (1) $8\frac{1}{2}$ (2) 20
(2) Mountbatten Plan	(4) Raj Kumari Amrita Kaur
(3) Cripps Mission	14. How many banks were nation-
(4) The Government of India	alised in India in the year (3) $19\frac{1}{2}$ (4) $22\frac{1}{3}$
Act, 1935	1969? 23. Choose the correct alternative
7. 'Right to Information Act'	(1) 11 (2) 12 that will continue the same
came into force in the year:	(3) 13 (4) 14 pattern and replace the ques-
(1) 2005 (2) 2006	15. The period of First Five Year tion mark in the given series :
(3) 2004 (4) 2007	Plan was : 45, 54, 47, 2, 49, 56, 51, 57,
8. Who was the second President	(1) 1947 - 1952 (2) 1949 - 1954 53
of India ?	(3) 1951-1956 (4) 1956-1961 (1) 55
(1) Dr. Zakir Hussain	16. 2014 FIFA (Football) World (2) 48
(2) Sri V.V. Giri	Cup is scheduled to take place (3) 50
(3) Sri N. Sanjeeva Reddy	in which of the following coun-
(4) Dr. S. Radha Krishnan	tries?

24 Choose the correct alternative	33. Choose the old one that does	tionobserver.com/forum
that will continue the same	not belong to the group	don's wife's daugitter. How is
pattern and replace the ques-	(1) BCDE (2) JKLM	Arun related to the lady?
tion mark in the given series :	(3) STVU (4) WXYZ	(1) Uncle
2 4 - 11 16	34. Choose the odd one that does	(2) Cousin
$\frac{2}{3}, \frac{4}{7}, \frac{2}{2}, \frac{11}{21}, \frac{16}{31}$	not belong to the group :	(3) Father-in-law
Anishing the first of the first	(1) Principal : School	(4) None of these
(1) $\frac{5}{9}$ (2) $\frac{6}{11}$	(2) Soldier : Barrack	41. Rasik walks 20 m North. Then
(1) 9 (2) 11	(3) Artist : Troupe	he turns right and walks 30 m.
7 Hall were of	(4) Singer : Chorus	Then he turns right and walks 35 m. Then he turns left and
(3) $\frac{7}{13}$ (4) $\frac{9}{17}$	35. Which of the words given in	walks 15 m. Then he again
The state of the s	alternatives can be formed by	turns left and walks 15 m. In
25. Find the wrong number in given series:	using the letters of the word :	which direction and how many
	CORRESPONDING	metres aways is he from his
7, 28, 63, 124, 215, 342, 511	(1) DISCERN	original position ?
(1) 7 (2) 28	(2) RESPONSE	(1) 15 metre West
(4) 215	(3) REPENT	(2) 45 metre East
26. Choose the missing terms out	(4) CORRECT	(3) 30 metre West
of the given alternatives for	36. If in a certain language, 'oka	(4) 30 metre East
the series :	peru' means 'fine cloth', 'meta	42. A man is facing South. He
A. B. B. D. C. F. D. H. E. 2, 2	lisa' means 'clear water' and	turns 135° in the anticlockwise
(1) E, F (2) F, G	'dona lisa peru' means 'fine	direction and then 180° in the
(3) F, I (4) J, F	clear weather', which word in	clockwise direction. Which di-
27. Choose the missing term out	that language means 'weath-	rection he is facing now? (1) North-East
of the given alternatives for the series:	The second of the second secon	(2) North - West
	(1) peru (2) oka (3) meta (4) dona	(3) South-East
AYBZC, DWEXF, GUHVI, JSKTL, ?		(4) South-West
	37. If 'eraser' is called 'box', 'box'	
(1) MQORN (2) MQNRO	is called 'pencil', 'pencil' is called 'sharpener' and 'sharp-	43. What will be the difference between the sum of the odd
(3) NOMOR (4) OMONR	ener' is called 'bag', what will	digits and the sum of the even
28. Rhythm is related to Music in	a child write with?	digits in the number 857423?
the same way as Design is re-	(1) Eraser (2) Box	(1) 0 (2) 1
(1) Symmetry (2) Architect	(3) Sharpener (4) Pencil	(3) 2 (4) 4
	38. In a certain code, '786' means	44. In a clock, the angle traced by
(3) Beauty (4) Building 29. Neck is related to Tie in the	'study very hard', 958' means	the hour hand in 12 hours is:
same way as Waist is related	'hard work pays' and '645'	(1) 360° (2) 180°
to:	means 'study and work'.	(3) 90° (4) 30°
(1) Watch (2) Belt	Which of the following is the code for 'very'?	45. How many days are there in a
(3) Ribbon (4) Shirt	(1) 8	Leap year?
30. College is related to Student	(2) 6	(1) 367 (2) 366
in the same way as Hospital	(3) 7	(3) 364 (4) 365
is related to :	(4) Cannot be determined	46. Which of the following is not
(1) Doctor (2) Nurse	39. Pointing to a man, Deepak	a prime number ?
(3) Treatment (4) Patient	said, "His only brother is fa-	(1) 97 (2) 191
31. Choose the odd one that does	ther of my daughter's father".	(3) 221 (4) 61
not belong to the group :	How is the man related to	47. The unit digit in $(3^{85} \times 6^{59} \times 7^{71})$ is :
(1) Mew (2) Bark	Deepak?	(1) 1 (2) 2
(3) Shout (4) Howl	(1) Grand Father	(3) 4 (4) 6
32. Choose the odd one that does	(2) Father	to proper the couldn't and the country of
not belong to the group :	(3) Brother-in-Law	48. $\frac{5}{6} \times \frac{2}{9} + \frac{4}{9} \div \frac{6}{7} = ?$
(1) Tomato (2) Brinjal	(4) Uncle	
(3) Cucumber (4) Potato	40. Pointing to a photograph, Arun	(1) 0.4 (2) 0.32
Vicential Control of the Control of	said, "She is the mother of my	(3) 0.49 (4) 0.36

THE RESIDENCE OF THE PARTY OF T	(1) b.osted at www educa	tionobserver com/forum
49. $\frac{(569+163)^2-(569-163)^2}{}=?$		4
49. 569×163 = ?	(3) 2.5% (4) 25%	(1) 2 minutes (2) $\frac{4}{3}$ minutes
TAL COMMINGER STATE OF THE PARTY OF THE PART	57. Two numbers are less than a	
(1) 2 Hadasa (C) Sh	third number by 30% and 37%	(3) $\frac{7}{3}$ minutes
(2) 4	respectively. How much per-	(3) 3 minutes
(3) 406	cent is the second number less	(4) None of these
(4) None of these	than the first ?	64. An athlete runs 200 metre race
50. The L.C.M. and H.C.F. of the	(1) 10% (2) 15%	in 24 seconds. His speed is :
numbers 15, 30 and 6 are:	(3) 20% (4) 25%	(1) 20 km/hr (2) 24 km/hr
(1) 30 and 3 (2) 60 and 6	58. If the numerator of a fraction	
(3) 60 and 3 (4) 30 and 6	is increased by 20% and the	(3) 28.5 km/hr (4) 30 km/hr
51. If $\sqrt{3} = 1.732$ and $\sqrt{2} = 1.414$	denominator is decreased by	65. A man covers half of his jour-
√3 - 1.732 tale √2 = 1.414	10%, the value of the fraction	ney at the speed of 6 km/hr
market property consequent	CHOICE 16 COLORS	and the remaining half at the speed of 3 km/hr. His average
then the value of $\frac{1}{\sqrt{3} + \sqrt{2}}$ is	becomes $\frac{16}{21}$. The original	speed is :
(1) 0.064 (2) 0.308	fraction is:	**************************************
THE TOTAL PLANT PROPERTY CAN A SECURITION OF THE PARTY OF	aled Tanglement 1 to 18 and 18	
(3) 0.318 (4) 2.146	(1) $\frac{3}{5}$ (2) $\frac{4}{7}$	(3) 4.5 km/hr (4) 9 km/hr
J. 12	5 (2) 7	66. The area of a rectangle is 12
52. $\sqrt[3]{4\frac{12}{125}} = ?$	2	sq. metre and its length is 3
onbesta	(3) $\frac{2}{3}$ (4) $\frac{5}{2}$	times it's breadth. What is the
moles to 3 moles of their 2		perimeter of the rectangle? (1) 14 m (2) 18 m
(1) $1\frac{3}{5}$ (2) $1\frac{2}{5}$	59. A table is bought for ₹950 and	The state of the s
Constitution and Chapter to the second	sold at ₹1140. What is the	(3) 24 m (4) 16 m
(3) $2\frac{2}{5}$	percentage gain?	67. If the radius of a sphere is r.
(5) 2 5	(1) 25% (2) 35%	then its volume is :
(4) None of these	(3) 30% (4) 20%	4 9
53. If the sum of a few numbers is	60. ₹6400 is divided among three	(1) $\frac{4}{3}\pi r^3$ cubic units
450 and their mean is 50. If	TOTAL STREET, SECTION OF THE PARTY OF THE PA	wrolding departments the state of
another number 100 is includ-	workers in the ratio $\frac{3}{5}$:2: $\frac{5}{3}$.	(2) $\frac{1}{3}\pi r^3$ cubic units
ed, the mean would become :		3" cubic units
(1) 60 (2) 55	The share of the second work-	- Little of a lite and ready of the real
(3) 75 (4) 150	er is:	(3) $\frac{2}{3}\pi r^3$ cubic units
54. Six persons went to a hotel for	(1) ₹2500	The second secon
taking their meals. Five of	(2) ₹3000	(4) None of these
them spent ₹32 each on their	(3) ₹3200	68. An angle whose measure is
meals while the sixth person	(4) ₹3840	more than 90° but less than 180° is called:
spent ₹80 more than the av-	61. The sides of a triangle are in	(1) Acute angle
erage expenditure of all the six.	CHECK THE RESTRICTION OF THE PERSON OF THE P	(2) Obtuse angle
Total money spent by all the	the ratio $\frac{1}{3}:\frac{1}{4}:\frac{1}{5}$ and its pe-	
persons is :		(3) Right angle
(1) ₹192 (2) ₹240	rimeter is 94 cm. The length	(4) Reflex angle
	of the smallest side is :	69. sin 60°.cos 30° + cos 60°.sin 30°
(3) ₹288 (4) ₹336	(1) 18.8 cm (2) 23.5 cm	The Cl≡? A Read Roll C description
55. The number that should be	(3) 24 cm (4) 31.3 cm	3 3 5 5 5
added to both the numerator	62. 3 men or 5 women can finish	(1) $\frac{3}{2}$ (2) $\frac{5}{2}$
42	a piece of work in 12 days. How	Liconi di fricano di
and denominator of $\frac{4^2}{9^2}$ so	long will 6 men and 5 women	(3) 1 (4) $\sqrt{\frac{2}{3}}$
Spirit how as still	take to finish the work?	TO SAME BEEN BEEN BEEN TO THE TENTON OF THE PARTY OF THE
4	(1) 4 days (2) 10 days	70. Choose the correct alternative
that the fraction becomes $\frac{4}{9}$ is	(3) 15 days (4) 20 days	that will continue the same
(1) 0 (2) 36	A STATE OF THE STA	pattern and replace the ques-
	63. A pipe fills $\frac{3}{7}$ of a bucket in 1	tion mark in the given series.
(3) 16 (4) 81		2 3 4 5
56. What percent of 7.2 kg is 18	minute. The rest of the bucket	$\frac{2}{\sqrt{5}}, \frac{3}{5}, \frac{4}{5\sqrt{5}}, \frac{5}{25}, ?$
grns?	can be filled in:	VO 0 5V5 20

6	(1) Unlagsted at yaww.educa	tionobse្ហារួខ្លាក្នុងព្រ/forum
(1) $\frac{6}{5\sqrt{5}}$ (2) $\frac{6}{25\sqrt{5}}$	(3) Hindi (4) English	(2) Danapur
20/5	80. The Lion Capital at Sarnath	(3) Samastipur
	is associated with:	(4) Dhanbad
(3) $\frac{6}{125}$ (4) $\frac{7}{25}$	(1) Ashoka (2) Gopala	90. Kavaratti' is the capital of:
and the state of the land make the	(3) Bimbisara (4) Ajatshatru	(1) Lakshadweep
71. In ancient India, which of the following was the capital of	81. Who was first Mughal ruler	(2) Daman and Diu
Kalinga ?	who separated religion from	(3) Dadra and Nagar Haveli
(1) Ujjain (2) Taxila	politics ?	(4) Mizoram
(3) Toshali (4) Patliputra	(1) Aurengzeb (2) Shahjahan	91. Which is the correct chain
72. Who was the founder of Cho-	(3) Akbar (4) Babur	through which the food enters
la dynasty?	82. Who said, "Swaraj is my birth-	our body?
(1) Vijayalaya (2) Rajaraja	right and I will have it"?	(1) mouth - stomach - large
(3) Rajendra I	(1) Mahatma Gandhi	intestine – small intestine
(4) None of these	(2) Jawahar Lal Nehru	- food pipe
	(3) Subhash Chandra Bose	(2) mouth – food pipe – small
73. Who among the following was not the part of Navaratna	(4) Bal Gangadhar Tilak	intestine – stomach – large
(nine jewels) of Akbar?	83. The percentage of India's total	intestine
(1) Birbal (2) Faizi	population employed in agri-	(3) mouth - food pipe - stom-
(3) Adil Shah (4) Todarmal	culture is nearly:	ach - small intestine - large
74. Which of the following is not	(1) 90% (2) 30%	intestine
a correct pair?	(3) 40% (4) 65% to 70%	(4) mouth - food pipe - stom-
(1) The Scindia: Gwalior	84. The oldest mountains in India	ach - large intestine - small
STATE OF THE PARTY	are:	intestine
(3) The Holkar : Poona (3) The Gaekwad : Baroda	(1) Himalayas (2) Aravalis	92. Ascorbic acid is:
	(3) The Naga Hills	(1) Vitamin-D
(4) The Bhousle : Nagpur	(4) Sivalik Hills	(2) Vitamin - B
75. Who among the following is associated with the 'Drain of	85. A 'lunar eclipse' occurs when :	(3) Vitamin-A
Wealth' theory ?	(1) The moon comes between	(4) Vitamin - C
(1) Dadabhai Naoroji	the earth and the sun	93. Which of the following is the
(2) Subhash Chandra Bose	(2) The earth comes between	busiest human organ?
(3) Iqbal	the sun and the moon	(1) Nose (2) Heart
(4) Dr. Rajendra Prasad	(3) The sun comes between the	(3) Kidney (4) Liver
	earth and the moon	94. Which of the following is a dis-
76. 'Ra'n Krishna Mission' was founded by:	(4) The sun, the earth and the	order in which low bone mass
(1) Subhash Chandra Bose	moon make an angle of 90°	and increased fragility takes
	86. The position of the earth or	place?
(2) Swami Vivekanand	any other planet in its orbit	(1) Osteoporosis
(3) Dayanand Saraswati	when it is at its nearest point	(2) Arthritis
(4) Acharya Ramkrishna	to the sun is called:	(3) Rheumatism
 After suppression of The Revolt of 1857, Bahadur Shah 	(1) Perihelion (2) Aphelion	(4) Colic
II:	(3) Solstice (4) Axis	95. The Central Nervous System of
(1) was deported to Rangoon	87. The percentage of Oxygen in	human beings consists of:
(2) was executed	the atmosphere is about :	(1) Fore Brain and Hind Brain
(3) escaped to Nepal	(1) 29% (2) 78%	(2) Fore Brain, Mid Brain and
(4) None of these	(3) 21% (4) 0.03%	Cerebellum
78. The Indus Civilization was pri-	88. 'Kanchanjunga' mountain	(3) Brain and Spinal Cord
marily:	peak is in :	(4) None of these
(1) Tribal (2) Rural	(1) India (2) Nepal	96. Which of the following devic-
(3) Urban (4) Local	(3) China (4) Tibet	es connects the computers and
79. Which of the following was the	89. Which of the following 'Divi-	works based on telephone lines?
language in which Buddha	sions' of East Central Railway	
preached?	is biggest in terms of number	1. 10 00 00 00 00 00 00 00 00 00 00 00 00
predefied (of employees?	(3) CPU (4) Modem

97. C-DAC stands for: (1) Centre for Development of Anti - Corruption (2) Centre for Development and Advanced Circuits (3) Centre for Development of **Advanced Computing** (4) Centre for Development of Advancement in Computers 98. Which of the following computers defeated world chess champion Garry Kasparov? (1) PARAM (2) CRAYK-1-S (3) Deep Blue (4) None of these 99. At absolute zero temperature, the kinetic energy of the molecules : (1) becomes maximum (2) becomes minimum (3) remains constant (4) becomes zero 100. Which among the following is the best conductor of heat? (1) Mercury (2) Silver (3) Leather (4) Benzene