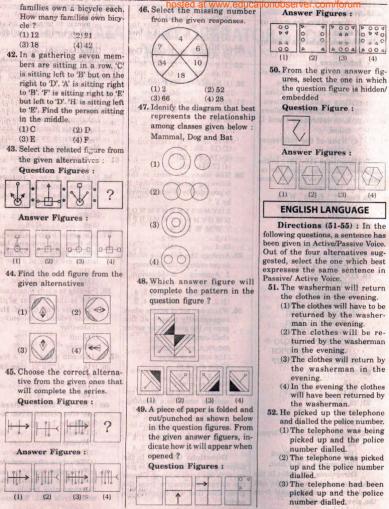
NALAMA HOR GOVERN	nosted at www.educa	12. Ram goes 15 metres North
GENERAL INTELLIGENCE	(4) ENTERTAIN	then turns right and walks
1 ICOMPUDOMICI	Directions (6 - 7): In the	20 metres, then again turns
1. If 'NEUROTIC' can be writ- ten as 'TICRONEU' then	following questions select the	right and walks 10 metres.
how can 'PSYCHOTIC' be	missing number from the given	then again turns right and
written ?	responses.	walks 20 metres. How far is
	6.81 36 25	he from his original position?
(1) TICOCHPSY	49 100 36	(1) 5 (2) 10
(2) TICCHOPSY	9 64 16	(3) 15 (4) 20
(3) TICCOHPSY	139 200 ?	13. Select the correct combina-
(4) TICHCOPSY	(1) 107 (2) 77	tion of mathematical signs to
2. Some letters are given be-	(3) 27 (4) 50	replace * signs and to bal-
low in the first line and num-	7.2 24 48	ance the given equation.
bers are given below them in	3 9 27	5 * 6 * 5 * 8 * 14
the second line. Numbers are	4 ? 40	$(1) + - \times = (2) \times \div + =$
the codes for the alphabets	(1) 10 (2) 16	$(3) \div + = (4) + \times - \div$
and vice-versa. Choose the correct number-code for the	(3) 12 (4) 32	Directions (14 - 15): In the
given set of alphabets.	Directions (8 - 9): In the	following questions two statements
C W E A Z X J Y K L	following questions some equa- tions are solved on the basis of a	are given followed by two conclu-
3 9 5 7 4 8 1 0 2 6	certain system. Find the correct	sions I and II. You have to consid-
JWXCLZ	answer for the unsolved equation	er the statements/inferences to be
	on that basis.	true even if they seem to be at
(1) 198364 (2) 198264	8. If 2463 = 36 and	variance from commonly known
(3) 198354 (3) 197354	5552 = 30, then	facts. You are to decide which of
3. From the given alternatives select the word which can be	6732 = ?	the given conclusions, if any, fol-
formed using the letters giv-	(1) 32 (2) 36	low from the given statements. Indicate your answer.
en in the word.	(3) 34 (4) 39	14. Statements :
PREPARATION	$9.4 \times 6 \times 9 = 694, 5 \times 3 \times 2 =$	
(1) PAMPER (2) REPEAT	325, 7 × 8 × 2 = ?	(i) For protection of Indian
(3) PARTITION	(1) 729 (2) 872	museums Central Gov-
(4) PARROT	(3) 827 (4) 279	ernment is responsible.
4. If 'GLOSSORY' is coded as	10. If - means x, x means +, +	(ii) Victoria Memorial Hall is
97533562 and 'GEOGRAPHY'	means ÷ and ÷ means -,	national property.
= 915968402, then 'GEOLOGY'	then	Conclusions:
can be coded as	$40 \times 12 + 3 - 6 \div 60 = ?$ (1) 44 (2) 16	(I) Indian museum is nation-
(1) 915692 (2) 9157592	(3) 7.95 (4) 4	al property.
(3) 9057592 (4) 9157591	11. After starting from a point.	(II) Historical property of
	A walks 3 km towards East.	nation is protected by the
5. From the given alternatives select the word which cannot	then turning to his left he	Central Government.
be formed using the letters	moves 3 km. After this he	(1) Only conclusion I follows.
of the given word.	again turns left and moves 3	(2) Only conclusion II follows.
INTERVENTION	km. In which direction is 'A'	(3) Both conclusions I and II follow.
(1) ENTER	from his starting point?	(4) None of the conclusions
(2) INTENTION	off of (1) North (2) East	follows.
(Z) INTENTION	(3) West (4) South	tonows.

17 51-1	23. (1) hosted at www.educat	ionobserver.com/forum 32.5, 6, 9, 14, 21, ?
15. Statements:	23. (1) Flag: Flagship	32. 5, 6, 9, 14 ,21, 7
(i) Some chairs are made up	(2) Court : Courtship	(1) 28 (2) 30
of wood.	(3) War : Worship	(3) 31 (4) 29
(ii) Some tables are made up	(4) Friend: Friendship 24. (1) BDFH (2) MOQS	33. 4, 11, 30, 67, 128, ?
of wood.	(3) SUWY (4) TVZE	(1) 219 (2) 228
Inferences:	25. (1) 8 – 15 (2) 25 – 36	(3) 231 (4) 237
(I) All wooden things are ei-	(3) 49 - 64 (4) 81 - 100	34. AMN, BOP, CQR, ?
ther chairs or tables.	26. (1) Barter (2) Purchase	(1) BAS (2) DST
(II) Some chairs are tables.	(3) Sale (4) Borrow	(3) EQP (4) FRS
(1) Only inference I follows.	27. Find out the set among the	35. Lakshmi is elder than
(2) Only inference II follows.	four sets which is like the giv-	Meenu. Leela is elder than Meenu but younger than
(3) Both inferences I and II	en set.	Lakshmi. Latha is younger
follow.	(13:20:27)	than both Meenu and Hari
(4) None of the inferences	(1) (3:11:18)	but Hari is younger than
follows.	(2) (18: 25: 32)	Meenu. Who is the youngest?
Directions (16 - 22): In the	(3) (18:27:72)	(1) Lakshmi (2) Meenu
following questions select the re-	(4) (7:14:28)	(3) Leela (4) Latha
lated words/letters/number from	28. How many Ms occur in the	36. Nikhil is 8 years younger
the given alternatives.	following series such that it	than his brother Rohan. How
16. Foot : ? :: Hand : Wrist	is preceded by W and followed by V?	old will Rohan be when he is
(1) Length (2) Shoe	XUVMRSTMWNVMWOP	twice as old as Nikhil?
(3) Ankle (4) Leg	MWUVMWACWMVHPN	(1) 4 (2) 6
17. Chair : Wood :: ?	VWMWTUN	(3) 8 (4) 16
(1) Book: Print	(1)3 (2)2	37. In a row of letters, a letter is
(2) Mirror: Glass	(3) 1 (4) 5	5th from left end and 12th
(3) Plate: Food	29. Arrange the following words	from the right end. How many
(4) Purse: Money	as per order in the dictionary :	letters are there in a row?
18. EDUCATION:	1. Aqueous 2. Aquarium	(1) 15 (2) 16
NOITACUDE ::	3. Aquiline 4. Aquatic	(3) 17 (4) 18
INTELLIGENCE : ?	(1) 4, 3, 2, 1 (2) 1, 2, 3, 4	38. Pointing to a lady Simon said,
(1) ECENGILLTEIN	(3) 2, 4, 1, 3 (4) 3, 1, 4, 2	"She is the daugher of the
(2) ECNGEILLTENI	30. Which one set of letters when	only sister of my father". How
(3) ECNEGILLETNI	sequentially placed at the gaps in the given letter series	is lady related to Simon?
(4) ECNEGILLTENI	shall complete it?	(1) Mother
19. AZCX : BYDW :: HQJO :?	mc_m_a_ca_ca_c mc	(2) Aunt
(1) GREP (2) IPKM	(1) a c m m m a	(3) Sister
(3) IPKN (4) GRJP	(2) c a m c a m	(4) Cousin sister
20. 08 : 66 :: ? : 38	(3) a a a c m m	39. If $A = 1$, $ACT = 24$, then FAT = ?
(1) 2 (2) 6	(4) a c m m m c	CATAL RESIDENCE SEED OF CHARLES AND AND ASSESSMENT
(3) 12 (4) 19	31. Which one of the given re-	(1) 26 (2) 25 (3) 27 (4) 24
21. 32 : 21 :: 35 : ?	sponses would be a meaning-	12/22
(1) 51 (2) 53	ful order of the following?	40. If the day before yesterday was Wednesday, when will
(3) 32 (4) 26	1. Twilight 2. Dawn 3. Noon 4. Night	Sunday be ?
22. Cobbler : Leather :: Carpen-		(1) Today
ter:?	(1) 2, 1, 3, 4 (2) 2, 3, 1, 4	(2) Tomorrow
(1) Furniture (2) Wood	(3) 1, 2, 3, 4 (4) 1, 3, 2, 4	(3) Day after tomorrow
(3) Hammer (4) Chair	Directions (32 - 34): In the	(4) Two days after tomorrow
Directions (23 - 26): In the	following questions, a series is giv- en, with one term missing. Choose	41. In 60 families 30% of the fam-
following questions find the odd	the correct alternative from the	ilies own a car each, 50% of
words/ letters/number pair from	given ones that will complete the	the remaining family own a
the given alternatives:	series.	motor cycle each. Balance of
		y carantee of



(4) He said to his compan-(4) The telephone has been (4) The witch advised her picked up and the police ions, 'Let us not miss the minion to bring her an elnumber dialled. chance to see the last ephant with one golden 53. An i-pod has been bought by show' tusk. Anubhay's mother. 57. He swore in the name of God Directions (61-66): In the (1) Anubhay's mother was that he was ignorant of the following questions, the Ist and the engaged in buying an imatter last sentences/parts of the passage/ nod. (1) He said, "I'm ignorant by sentence are numbered 1 and 6. (2) Anubhav's mother had God!" The rest of the passage/sentence bought an i-pod. (2) He declared, "God knows is split into four parts and named (3) Anubhav's mother has I was ignorant of the mat-P. Q. R and S. These four parts are been buying an i-pod. ter" not given in their proper order. (4) Anubhav's mother has (3) He said, "By God! I'm ig-Read the passage/sentence and find bought an i-pod. norant of the matter." out which of the four combinations 54. I took care of his dog. (4) He said he was ignorant of is correct. Then find the correct (1) His dog was taken care by God. answer. 58. "How much will you pay for (2) His dog is taken care by 61. 1. AIDS is an incurable disthis cow ?" Jack asked the ease which affects the re-(3) His dog is taken care of by strange man. sistance power of the body. (1) Jack asked the strange P. People succumb within (4) His dog was taken care of man how much he would two years and often die by me. pay for that cow. inspite of any treatment. 55. Some girls were cleaning (2) Jack asked the strange Q. AIDS is caused by a vitheir dormitories. man how much would he rus named HIV. (1) The dormitories were pay for that cow. R. In such a condition the cleaned by some girls. (3) Jack asked the strange body is totally defenseless (2) The dormitories will have man how much would he against all kinds of infecbeen cleaned by some pay for this cow. tion girls. (4) Jack asked the strange S. HIV destroys the white (3) The dormitories were beman how much he will pay blood cells which fight the ing cleaned by some girls. for that cow. (4) The dormitories are being bacterial virus 59. The teacher said "Water boils 6. Thorough research is gocleaned by some girls. at 100 °C." Directions (56-60): In the ing on throughout the (1) The teacher told water following questions, a sentence world for the prevention boiled at 100 °C. has been given in Direct/Indirect. and cure of AIDS. (2) The teacher said that wa-Out of the four alternatives sug-(1) QPRS (2) OSRP ter boiled at 100 °C gested, select the one which best (3) ROSP (4) SPQR (3) The teacher said that waexpresses the same sentence in 62. 1. Six robbers entered a Nater boils at 100 °C. Indirect/Direct. tionalised bank today at (4) The teacher told that wa-56. He proposed to his compan-9.50 a.m. ter boiled at 100 °C. ions that they should not miss 60. "Bring me an elephant with P. One group kept an eye on that chance to see the last one golden tusk." the witch the customers. show. told her minion. Q. The assistant manager (1) He said to his compan-(1) The witch requested her was forced to unlock the ions, 'Let us not to miss minion to bring her an elvault. the chance to see the last ephant with one golden R. The other group held the show.' (2) He said to his compantusk. Manager at gun point. (2) The witch told her minion ions, 'Let us not miss that S. They cut off the telephone to bring her the elephant chance to see the last lines and deactivated the with one golden tusk. show' burglar alarm. (3) He said to his compan-(3) The witch ordered her 6. The whole operation was

minion to bring her an el-

ephant with one golden

tusk.

over in 20 minutes.

(2) PSRQ

(4) QPRS

(1) SPRQ.

(3) POSR

ions, 'We should not miss

that chance to see the last

show.'

1. One of the greatest ad-Directions (67-71): In the It is a funny sight to see grey vances following passage some of the haired women browse "Bringing P. has been the invention of words have been left out. Read the up Baby" books at the local book computers store. One tends to think what passage carefully and choose the Q. in modern technology correct answer to each question they did with their own off springs. R. in industry, administraout of the four alternatives and fill Ask them and pat comes the reply in the blanks. "it was so easy then. They grew tion and education. In these days of cable televiup on their own". The mother may S. which are widely used sion the radio has again become wear many hats at the same time. 6. and in almost every sphere popular. As in the days before the But to her or her parents, the mind of human life. boggling thing for the first few (67) of television, people switch on (1) PORS (2) QPSR years is diaper changes, circadian their radios first thing in the (3) QPRS (4) SPQR rhythm and continual feeding. At morning. FM channels of every 64. 1. The amount of oxygen home social life is taboo. Phone (68) can be heard broadcasting P. to meet the increasing decalls give cause for irritation, munews and songs of every (69). More mands sic becomes noise, friends and relthan anything else, people prefer Q. due to indiscriminate deatives become total strangers, the to listen (70) which bring a reforestation domestic help a spirit of mercy and freshing change to the (71) routine R. is being diminished day by the pediatrician a fairy godmother. of their everyday lives. day Raising a kid is akin to a guerilla 67. (1) advent. S. which is released from the warfare and it you hear a woman (2) appearance say that her baby 'is beautiful and plant kingdom (3) birth (4) genesis perfect and an angel all the time' 6. of the human population. 68. (1) range (2) variety then she is the grandma. (1) RQSP (2) PSRQ (3) frequency (4) category 72. How did the mother and the (3) RPQS (4) SRQP 69. (1) state (2) language daughter share the same anx-65. 1. Books are the best compa-(3) description (4) kind 70. (1) into the songs nv. (1) Both were uneasy with the (2) from the songs P. Through books we even newborn see them as if they are (3) the songs (2) Both feared babies (4) to the songs really alive. (3) Both were concerned 71. (1) packed Q. They also give us the about raising the baby (2) monotonous best society. (4) Both were nervous about (3) exciting (4) light R. We hear what such great shared responsibility Directions (72-76): In the folmen said or did 73. Why do female colleagues lowing questions, you have a brief S. They help us in establishwelcome retirement? passage with 5 questions following ing contact with many (1) They get lot of free time. the passage. Read the passage great men. (2) They become free to atcarefully and choose the best antend to household duties. 6. As we read, we share swer to each question out of the (3) They can be of help to great thoughts with great four alternatives. their daughters and their men. Bringing up the baby is now a offspring. (1) PQSR (2) QRSP science and fine art! Most of the (4) They can cook good food (3) QSRP (4) SPQR maternal grandparents would for their children and 1. A patient accusing a docagree with this statement. My grandchildren. mother lost fifteen kilos in six 74. 'To wear many hats' means P. of malpractice will find it months when my son was born (1) Wear helmet difficult and I gained that as much. Both (2) Wear head gear Q. without another doctor's ways it was because of the anxiety (3) Do hairstyling testimony and shared responsibility. My col-(4) Undertake much work R. to prove damage leagues welcome retirement when 75. Why is social life taboo at S. or even file a case in the their daughter is ready to deliver home? court or had just delivered. They most (1) Babies are demanding. 6. about proper medical prooften befriend young experienced (2) Babies do not like guests. cedures mothers and spend long counsel-(3) Babies hate parties. ling sessions with them collecting (1) RPQS (2) SQPR (4) Babies prefer to go out tips on how to tackle a crisis. than stay at home. (3) QRPS (4) PRSQ

70 MIN - 4 11:00 - 14 0 4 1	hosted at www educa	tionobserver com/fortimal un-
76. What is difficult for maternal		(1) showed intentional un-
grandparents ?	(3) if (4) as if	friendliness to her compa-
(1) Raising grandchildren	86 my food and my re-	to not by party good and 4
(2) Feeding children	pose were salted.	(2) felt her shoulder was cold.
(3) Giving birth to grandchil-	(1) None of (2) All of	(3) showed dislike for her
dren	(3) Both (4) Both of	company.
(4) Bringing up babies	Directions (87-88) : In the	(4) showed liking for her com-
Directions (77-81): In the	following questions, out of the four	
		pany.
following questions, some parts of	alternatives, choose the one which	95. If you want to solve the prob-
the sentences have errors and	best expresses the meaning of the	lem for ever you must take
some are correct. Find out which	given word.	the bull by the horns.
part of a sentence has an error.	87. Staunch	(1) pull the bull's horns.
The number of that part is the	(1) Loyal (2) Benign	(2) face a difficulty or danger
answer. If a sentence is free from	(3) Good (4) Wise	boldly.
error, your answer is (4) i.e. No	88. Vivacious	(3) run away from a difficulty
error.	(1) Lively (2) Venomous	
77. Rohan had been playing (1)/	(3) Clear (4) Superior	or danger.
for his club for fifteen years,	Directions (89-90) : In the	(4) face a difficulty or danger
(2)/ when his elbow got in-	following questions, choose the	confidently.
jured. (3)/ No error. (4)	word opposite in meaning to the	Directions (96-98) : In the
	given word.	following questions, out of the four
78. None of (1)/ the twins (2)/ of-	89. Spite	alternatives choose the one which
fered to help me. (3)/ No er-		can be substituted for the given
ror.(4)	(1) Spleen (2) Venom	words/sentence.
79. My teacher (1)/ did not object	(3) Spirit (4) Affection	96. A place where bees are kept
(2)/ to me using the calcula-	90. Modesty	
tor. (3)/ No error.(4)	(1) Honesty (2) Vanity	(1) Aviary (2) Apiary
80. The river (1)/ has overflown	(3) Originality (4) Variety	(3) Granary (4) Dispensary
(2)/ its banks. (3)/ No error.(4)	Directions (91-92): In the	97. A hater of women
81. The principal (1)/ started his	following questions, four words are	(1) Bigamist (2) Misogynist
lecture (2)/ with a pessimis-	given in each question, out of	(3) Misanthrope
tic note. (3)/ No error. (4)	which only one word is correctly	(4) Polygynist
	spelt. Find the correctly spelt	98. A person who runs away
Directions (82-86) : In the	word.	from justice or the law
following questions, sentences are		
given with blanks to be filled in with		
an appropriate word(s). Four alter-		(5) Fugitive (4) Recluse
natives are suggested for each ques-	92. (1) Adalosent (2) Adolascent	Directions (99-100) : In the
tion. Choose the correct alternative	(3) Adolescent (4) Adaloscent	following questions, a part of the
out of the four as your answer.	Directions (93-95): In the	sentence is printed in bold. Below
82. The bird's voice was speaking	following questions, four alterna-	are given alternatives to the bold
all lying under stars.	tives are given for the Idiom/	part at (1), (2), (3) which may im-
(1) to (2) for	Phrase printed in bold in the sen-	prove the sentence. Choose the
A CONTROL OF THE PROPERTY OF T	tence. Choose the alternative	correct alternative. In case no im-
(3) at (4) in	which best expresses the meaning	
83. India will arch ri-	of the Idiom/Phrase as your an-	provement is needed, your answer is (4).
val Pakistan in the finals.	swer.	
(1) takes after	93. Rajib washed his hands of	99. The expert was very inter-
(2) looks after	the matter long ago.	esting in this candidate.
(3) taken back	(1) overcame the difficulties	(1) was having interest
(4) take on		(2) was very interested
84. The shepherd was looking	(2) refused to accept respon-	(3) is having interest
	sibility for	(d) is naving interest
after theof sheep.	(3) took the responsibility	(4) No improvement
(1) crew (2) gang	(4) refused to change the de-	100. The criminal was ordered to
(3) fleet (4) flock	cision	be hanged to death.

94. All the neighbours gave her

in-law.

the cold shoulder because

she ill-treated her daughter-

(1) hung to death

(3) hung till death

(2) hanged till death

(4) No improvement

85. Many of us believe that sci-

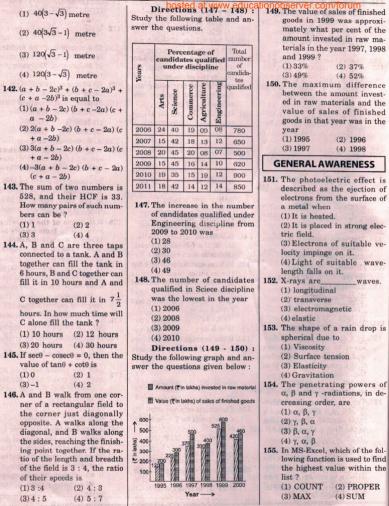
wise.

ence is something modern

the truth is other-

	hosted at www.educa	tionobserver.com/forum
QUANTITATIVE APTITUDE	108. In ABC, X and Y are points	(1) 1 cm (2) 2 cm
	on sides AB and BC respec-	(3) 3 cm (4) 4 cm
101 76 1	tively such that XY AC	114. If the volumes of a sphere
101. If $x + \frac{1}{y} = 1$ and $y + \frac{1}{z} = 1$,	and XY divides triangular region ABC into two parts	and a cylinder of equal radi-
	region ABC into two parts	us are same, the ratio of the
then $z + \frac{1}{r}$ is equal to	equal in area. Then $\frac{AX}{AB}$ is	radius and height of the cyl-
		inder will be
(1) 2 (2) $\frac{1}{2}$	equal to	(1) 4:3 (2) 3:2
	$2+\sqrt{2}$ $\sqrt{2}+3$	(3) 3:4 (4) 2:3
(3) 1 (4) 0	$(1)\frac{2+\sqrt{2}}{2} \qquad (2)\ \frac{\sqrt{2}+3}{2}$	115. The length of two parallel
102. If $4x - 5z = 16$ and $xz = 12$,	1 the scanner was a second of the second	chords of a circle are 6 cm
the value of $64x^3 - 125z^3$ is	$(3)\frac{2-\sqrt{2}}{2} \qquad (4) \ \frac{3-\sqrt{2}}{2}$	and 8 cm. If the smaller
equal to		chord is at a distance of 4 cm
(1) 15610 (2) 15616	109. A circle is touching the side	from the centre, the distance
(3) 15618 (4) 15620	BC of ABC at P and is also	of the other chord from the
103. If $x + y + z = 15$, $xy + yz + zx$	touching AB and AC produced	centre is
= 75 then $\frac{x+4y+z}{3z}$ is equal	at Q and R respectively. If AQ	(1) 5 cm (2) 6 cm
3z is equal	= 6 cm, then perimeter of AABC is	(3) 4 cm (4) 3 cm
to to	(1) 6 cm (2) 10 cm	116. If the difference between an
(1) 1 (2) 0	(3) 12 cm (4) 18 cm	exterior angle of a regular
(3) 2 (4) -1	110. In $\triangle ABC$, $\angle A = 80^\circ$. If BD and	polygon of n sides and an ex-
104. If the graphs of $3x - 5y = -8$	CD are internal bisectors of	terior angle of another regu-
and $3x + 5y = 32$ intersect at	P and (Carry till the	lar polygon of $(n + 1)$ sides is
the point (p, q) , then the val-	∠B and ∠C respectively, then the ∠BDC is,	equal to 5°, then the value of
ue of $(p-q)$ is		n is
(1) 3 (2) 2	(1) 100° (2) 110° (3) 120° (4) 130°	(1) 5 (2) 6
(3) 1 (4) 0		(3) 7 (4) 8
105. If $x = \sqrt{3} + \sqrt{2}$ and $y =$	111. The area of an isosceles tra- pezium is 176 cm ² and the	117. If the base of a right prism of 20 cm high is a rhombus
$\sqrt{3} - \sqrt{2}$ then the value of	pezium is 176 cm² and the	whose diagonal are 14 cm and
$8xy(x^2+y^2)$ is	height is $\frac{2}{11}$ th of the sum of	18 cm, then the volume in
		cm ³ of the prism will be
(1) $16\sqrt{6}$ (2) 32	its parallel sides. If the ratio	(1) 2520 (2) 2250
(3) $48\sqrt{2}$ (4) 80	of the length of the parallel	(3) 3520 (4) 1250
106.50 persons can do a work in	sides be 4:7, then the length of a diagonal is	118. The value of the sin21° +
12 days, working 6 hours/day.		$\sin^2 3^\circ + \sin^2 5^\circ + \dots +$
60 persons can do the same-	(1) √168 cm	$\sin^2 87^\circ + \sin^2 89^\circ$ is
work in 8 days, working x	(2) $2\sqrt{147}$ cm	1
hours per day. The value of x is	(3) √137 cm	(1) 22 (2) $22\frac{1}{2}$
18	(4) 2√137 cm	in open was accompany of the contra
(1) 15 (2) $7\frac{1}{2}$		(3) 23 (4) $22\frac{1}{4}$
(2) 2	112. The medians AD, BE and CF of a triangle ABC are of	119. The minimum value of cos ² 0
$(3) 5\frac{2}{3}$ $(4) 5$	lengths 18 cm, 24 cm and 30	+ $\sec^2\theta$ is
$(3) 5\frac{5}{3}$ $(4) 5$	cm respectively. The area in	(1) 0 (2) 1
107. The side BC of the triangle	cm ² of the triangle is	(3) 2 (4) 3
ABC is produced to D. If	(1) 96 (2) 192	120. If $\cos\theta + \sec\theta = 2 (0^{\circ} \le \theta \le 90^{\circ})$
THE RESERVE OF THE PARTY OF THE	(3) 288 (4) 374	then the value of cos $10\theta +$
$\angle ACD = 112^{\circ} \text{ and } \angle ABC = \frac{3}{4}$	113. A solid iron sphere of diame-	sec 110 is
	ter 6 cm is melted and made	
∠ BAC, then the ∠ ABC is	to a hollow cylindrical pipe of	
equal to (2) 58°	external diameter 10 cm and	
(1) 68° (2) 58° (3) 48° (4) 38°	of length 4 cm. The width of	121. If the base of a right pyramid
(3) 48 (4) 38	the sheet of pipe is	is a triangle of sides 21cm,

20 cm, 13cm and its altitude	hosted at www.educa (1) ₹ 12 per kg	ationobserver.com/forum
is 30 cm, then its volume (in		(1) $\frac{3}{4}$ (2) $\frac{4}{3}$
cm³) will be	(2) ₹ 15 per kg	4 (2) 3
(1) 430 (2) 630	(3) ₹ 16 per kg	2 5
(3) 1068 (4) 1260	(4) ₹ 20 per kg	$(3) \frac{2}{3}$ $(4) \frac{5}{6}$
	129. In two blends of mixed tea,	136. The cost price of 18 articles
122. The value of $\frac{1}{2} + \left(\frac{7}{8} \times \frac{4}{5}\right)$ –	the ratios of Darjeeling and Assam tea are 4:7 and 2:5.	is equal to the selling price
122. The value of 2 + (8 5)	The ratio in which these two	of 15 articles. The gain per
(2 4) 2 2	blends should be mixed to get	cent is
$\left(\frac{2}{3} + \frac{4}{5}\right) + \frac{3}{4} \text{ of } \frac{2}{5} \text{ is}$	the ratio of Darjeeling and	(1) 25% (2) 20%
(3 5) 4 5	Assam tea in the new mix-	(3) 18% (4) 15%
(1) $\frac{1}{3}$ (2) $\frac{2}{3}$	ture as 6: 13 is	137. Successive discounts of 50%
(1) 3 (2) $\frac{1}{3}$	(1) 2:7 (2) 5:13	and 50% is equivalent to
3	(3) 4:13 (4) 22:35	(1) 100% (2) 75%
(3) $\frac{3}{4}$ (4) $\frac{3}{5}$	TOTAL TELEVISION OF THE PROPERTY OF THE PROPER	(3) 50% (4) 25%
	21 12	138. A, B, C enter into a partner-
123. Let $x = 5 + \frac{1}{\sqrt{5}} +$	130. The value of $8-8 \times \frac{5}{17}$	ship with shares in the ratio
(4) 人名····································	130. The value of $8-8 \times \frac{2\frac{1}{5} - 1\frac{2}{7}}{2 - \frac{1}{6 - 1}}$	The second secon
1 3 7	$6 - \frac{1}{6}$	$\frac{7}{2}:\frac{4}{3}:\frac{6}{5}. \text{ After 4 months, A}$
$\frac{1}{5+\sqrt{5}} + \frac{3}{\sqrt{5}-5}$. The value of	is equto to	increases his share by 50%.
x is	(1)0 (2)4	If the total profit at the end
$(1) \ 5 + \sqrt{5}$ (2) 0	(3)3 (4) 2	of the year was ₹ 43,200,
(1) 5+45 (2) 0	The Date of the party of the state of the st	then the B's share in the prof-
(3) $\frac{9}{2}$ (4) 5	131. 1 0.081 × 0.324 × 4.624	it is
$(3)\frac{1}{2}$ $(4)5$	$131. \sqrt{1.5625 \times 0.0289 \times 72.9 \times 64}$	
124. The total number of prime	is equal to	(1) ₹ 4,200 (2) ₹ 4,800
factors in	(1) 24 (2) 2.4	(3) ₹ 7,200 (4) ₹ 8,000
$(25)^{10} \times (24)^{20} \times (26)^{25}$ is	(3) 0.024 (4) 2.04	139. Two trains, of same length,
(1) 1000 (2) 120	132. In a particular type of alloy	are running in parallel tracks
(3) 150 (4) 140	the ratio of lead to tin is	in opposite directions with
125. The value of	5: 6. The amount of lead	speed 65 km/hour and 85 km/
0605 × 00700 × 000	should be added to 12.1 kg of	hour respectively. They cross
$\frac{0.625 \times 0.0729 \times 28.9}{0.0081 \times 0.025 \times 1.7}$ is	this material to make the	each other in 6 seconds. The length of each train is
	ratio 1:1 is	
	(1) 1.1 kg (2) 1 kg	(1) 100 metre (2) 115 metre
	(3) 0.9 kg (4) 1.5 kg	(3) 125 metre (4) 150 metre
126. In a division sum, the divi-	133. If the average of m numbers	140. A shopkeeper sells an article
sor is 10 times the quotient and 5 times the remainder.	is n^2 and that of n numbers	ot a less of 19 1 04 77 11
If the remainder is 40, then	is m^2 , then the average of	at a loss of $12\frac{1}{2}\%$. Had he
the dividend is	(m+n) numbers is	sold the article for ₹ 51.80
(1) 240 (2) 440	$(1) \frac{m}{n} \qquad (2) mn$	more, he would have earned
(3) 4040 (4) 4000	$(1) \frac{m}{n} \qquad (2) mn$	a profit of 6%. The cost price
127. Two numbers are respective-	(3) m - n $(4) m + n$	of the article is
ly 25% and 40% less than a	134. The simple interest at x% for	(1) 280 (2) 580
third number. What per cent	x years will be ₹ x on a sum	(3) 370 (4) 450
of the first is the second?	of	141. From the top of a tree of
(1) 60 (2) 70	(1) ₹ x (2) ₹ 100x	height 120m the angle of de-
(3) 40 (4) 80		pression of two boats in the
128. A reduction of 20% in the	$(3) \not\equiv \frac{100}{x}$ $(4) \not\equiv \frac{100}{x^2}$	same line with the foot of the
price of sugar enables Mr.		tree and on the same side of
Bhadra to buy an extra 5 kg	135. If $2x + 3y : 3x + 5y = 18 : 29$,	it are 45° and 60° respective-
of it for ₹ 320. The original	then $\frac{x}{y}$ is equal to	ly. The distance between the
rate of sugar is	y is equal to	boats is



		101	The main pollutant responsi-	ation	observer.com/forum (3) Devaki Nandan Khatri
156.	Daltonism (Protanopia) is the	164.	The main pollutant responsi-		
	form of colour blindness in		ble for Bhopal Gas Tragedy is		(4) Bharatendu Harishchan-
	which the patient cannot see	The state of the s	(1) Methyl isocyanate	100	dra
	(1) Green colour	AND THE RESERVE	(2) Bromine	172.	Which country has been ad-
	(2) Red colour		(3) Chlorofluro carbon		mitted in July 2013 as the 28th member of the Europe-
	(3) Blue colour (4) All the above colours		(4) Chlorine		an Union ?
	A hybrid computer is the one	165.	Presently the Union Minister of Minority Affairs is		(1) Bulgaria (2) Croasia
157.	having the combined proper-				(3) Cyprus (4) Romania
	ties of	BOLL WYX /	(1) Dr. Farooq Abdullah	179	Which one of the following is
	(1) Super and micro comput-		(2) Ghulam Nabi Azad	173.	wrongly paired?
	ers	BUT A WAR	(3) K. Rahman Khan		Sports Ground
	(2) Mini and micro computers	(0) (A) (B) (S)	(4) Salman Khurshid		(1) Athletics Track
	(3) Analog and digital comput-		Who won the Women French		(2) Base Ball Court
	ers		Open Title in 2013?		(3) Golf Course
	(4) Super and mini computers		(1) Maria Sharapova (2) Victoria Azarenka		(4) Wrestling Ring
158.	Tritium is an isotope of			174	Which American President
	(1) Oxygen (2) Hydrogen		(3) Serena Williams		was a famous film/T.V. star
	(3) Phosphorous	MAY TO STORY	(4) Venus Williams		before he became the Pres-
	(4) Nitrogen	107.	Which of the following places		ident?
159.	The three basic components	1	of Sikh religious heritage is not in India?		(1) J.F. Kennedy
	of an atom are	WHI.	(1) Nankana Sahib	100	(2) Gerald R. Fond
	(1) protons, neutrons and ions	1	(2) Nanded	100	(3) Richard Nixon
114	(2) protons, neutrons and	i brid	(3) Paonta Sahib		(4) Ronald Regan
Vinor.	electrons		(4) Keshgarh Sahib	175.	Which one of the following
1	(3) protium, deuterium and	168	The headquarters of which	739	museums in India and its lo-
100	tritium	100.	one of the following organi-	E CLAS	cation is wrongly matched?
49	(4) protons, neutrinos and	PART	sations is not in Geneva?	100 140	(1) National Railway Museum — New Delhi
100	ions	The same	(1) Food and Agricultural Or-	Table 1	— New Delni (2) The Calico Museum of
100.	Alcohol obtained in the saponification process is	No.	ganisation	1000	Textiles — Mumbai
100	(1) Ethyl alcohol	1	(2) World Meteorological Or-	200	(3) Salar Jung Museum —
	(2) Methyl alcohol	17 To	ganisation		Hyderabad
	(3) Wood spirit		(3) World Health Organisa-	1	(4) Napier Museum — Thiru-
	(4) Glycerol		tion		vananthapuram
161	The product of equivalent		(4) World Trade Organisation	176.	Value of a commodity ex-
101.	weight and valency of an ele-	169.	In which Eco-system Grass-		pressed in terms of money is
Tall	ment is equal to		land is included ?		called
War.	(1) Vapour density	2 10	(1) Marine		(1) Price (2) Demand
100	(2) Specific heat	CHAPTE.	(2) Fresh water		(3) Utility
100	(3) Atomic weight		(3) Terrestrial	177	(4) Money value
	(4) Molecular weight	MINISTER STATE	(4) Artificial	177.	Selling cost is an element of (1) Monopolistic Competition
162.	Chlorofluro carbons are wide-	170.	Which one of the following		(2) Perfect Competition
	ly used in		European Union countries		(3) Pure Competition
	(1) Micro ovens	Section 1	has its own currency and has		(4) Monopoly
	(2) Solar heaters		not switched over to Euro?	178.	The opportunity cost of a fac-
10	(3) Washing machines		(2) Germany		tor of production is
15.59	(4) Refrigerators	1	(3) Sweden		(1) what it earns in its present
163.	While the computer executes	Mary I	(4) Spain		use.
78772	a program, the program is	10000044-25-01	The pioneer of modern Hin-		(2) what it can earn in the
M. H	held in		di Literature is		long period.
1	(1) RAM (2) ROM	DCD 100000	(1) Srinivas Das		(3) what it can earn in some
M. All	(3) Hard Disk		(2) Munshi Premchand		other use.
E TH	(4) Floppy Disk		(a) and and a remember of		(4) the cost of production.

CO. TO THE PARTICULAR PROPERTY OF THE AGE OF	hosted at www.educa	tionobserver.com/forum
179. The demand for a product	(1) Slave and Lodi	ionobserver.com/forum 194. Who was the founder of
which is wanted for itself is	(2) Saiyyad and Lodi	the "Prarthana Samaj"?
known as	(3) Slave and Tughlaq	(1) Ramakrishna Paramahan-
(1) Derived Demand	(4) Tughlaq and Lodi	sa
(2) Industry Demand	187. Who among the following did	(2) Swami Vivekananda
(3) Company Demand	not participate in the 1857	(3) Athmaram Panduranga
(4) Direct or Autonomous	Revolt against the British?	(4) Dayananda Saraswathi
Demand	(1) Tantia Tope	195. The type of root formed in
180. The Parliamentary form of	(2) Tipu Sultan	Betel vine is
Government in India has	(3) Rani Lakshmi Bai	(1) Stilt Root
been adopted from the	(4) Nana Saheb	(2) Clinging Root
(1) American Constitution	188. Which Amendment Act is re-	(3) Climbing Root
(2) Russian Constitution	ferred as mini constitution?	(4) Prop Root
(3) British Constitution	(1) 7th Constitutional Amend-	196. Chromosomes are made up of
	ment Act, 1956	(1) DNA
(4) Swiss Constitution	(2) 24th Constitutional	(2) Protein
181. Which of these are essentials	Amendment Act, 1971	(3) DNA and Protein
of democratic system?	(3) 42nd Constitutional	(4) RNA
(1) Free and fair elections	Amendment Act, 1976	197. Jersey bull used for cross
(2) Equality of opportunity	(4)44th Constitutional	breeding is an exotic variety
(3) Protection of rights	Amendment Act, 1978	from
(4) All of the above	189. Arrange the following his-	(1) England (2) France
182. "Value added" is equal to	torical events chronological-	(3) Holland
(1) Output minus input	ly choosing the correct re-	(4) Switzerland
(2) Manufacturing profit	sponse:	198. Which of the following sym-
(3) Gross profit	I. French Revolution	biotic associations forms a li-
(4) Capital gain	II. Glorious Revolution	chen ?
183. Which Article of the Indian	III. American War of Inde-	(1) An algae and a fungus
	pendence	(2) An algae and a bryophyte
Constitution stipulates that	IV. Russian Revolution	(3) A bacterium and a fungus
Directive Principles of State	(1) I II III IV (2) II III I IV	(4) A bacterium and a gymno-
Policy shall not be enforce-	(3) II I IV III (4) III II I IV	sperm
able by any Court?	190. The Southernmost Point of	199. Which one of the following
(1) Article 31	India is	crop combination is not adopt-
(2) Article 38	(1) Cape Comorin	ed in mixed cropping in India?
(3) Article 37	(2) Point Calimere	(1) Wheat and Mustard
(4) Article 39	(3) Indira Point	(2) Wheat and Chick Pea
184. Which one of the following	(4) Port Blair	(3) Rice and Ground nut
languages is not specified in	191. Which of the following soils	(4) Ground nut and Sun flow-
Schedule 8 of the Indian Con-	is most ideal for paddy culti-	er
stitution ?	vation?	200. Match correctly the following
(1) Sanskrit (2) Sindhi	(1) Laterite soil	countries and their capitals
(3) English (4) Nepali	(2) Red soil	by choosing the correct re-
185. Which ancient Indian king-	(3) Alluvial soil	sponse:
dom is wrongly matched be-	(4) Black soil	Country Capital
low with its capital?	192. The red colour of red soil is	(1) Argentina (i) Bogota
(1) Maurya – Pataliputra	due to the rusting of	(2) Colombia (ii) Harare
	(1) Nitrogen (2) Humus	(3) Egypt (iii) Buenos
(2) Pandya – Madurai	(3) Iron (4) Copper	Aires
(3) Pallava – Vellore	193. Which one of the following	(4) Zimbabwe (iv) Cairo
(4) Kakatiya – Warangal	rivers crosses the equator two	(a) (b) (c) (d)
186. Which were the two dynas-	times ? (1) Cango River	(1) (ii) (iii) (iv) (i)
ties, which ruled immediate-	(2) Amazon River	(2) (iii) (iv) (i) (ii)
ly before and after the Khil-	A SECTION OF THE PROPERTY OF T	
jis ? I ma to them said (4)	(3) Niger River (4) Nile River	(3) (iv) (i) (ii) (iii) (4) (iii) (i) (iv) (ii)
	(4) Nile River	(4) (11) (1) (10) (11)