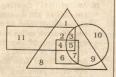
PART-A GENERAL INTELLIGENCE & REASONING	(1) 8 (3) 2 8. From words cann
<b>Directions</b> $(1 - 2)$ : In the	letter
following questions, find the odd	QUIC
number/word from the given alternatives.	(1) QI
1. (1) 2 (2) 3	(3) QI
(3) 12 $(4)$ 24	9. If MI
2. (1) Sow (2) Peacock	13211
(3) Peahen (4) Mare	FUSE
3. Number of letters skipped in	(1) 168
between adjacent letters in	(2) 16 (3) 16
the series increases by one.	(4) 16
Which of the following series	10. If 53
observe the ruling ?	69 ÷ 3
1. IMQUYC 2. EGJNSY	(1)1
3. DHLPTX 4. ADHLPT	(3) 3
<ul><li>(1) IMQUYC (2) EGJNSY</li><li>(3) DHLPTX (4) ADHLPT</li></ul>	11. The t
4. Select the number which	the
does not belong to the given	opera
series.	numb
1956, 1968, 1976, 1982, 1988,	178, 8
1992	(1) 429
(1) 1956 (2) 1976	(3) 924
(3) 1982 (4) 1992	Direc
<b>Directions</b> $(5 - 6)$ : In the	following related w
following questions, a series is	given alter
given, with one term missing.	12. ABCD
Choose the correct alternative from the given ones that will	(1) RG
complete the series.	(3) QF
5. A. E. I. ?. Q	13. BGEK
(1) O (2) M	(1) UZ
(3) U (4) L	(3) ZU
6. 510, 322, 404, ?	14. Bird :
(1) 422 (2) 371	(1) Gil
(3) 629 (4) 819	(3) Tai
7. If 4 cats can kill 4 rats in 4	15. The la
minutes, how many minutes will it take 8 cats to kill 8	binary
rats ?	is
	10

(1) hosted at www.educa	tionobserver.com/torum
(3) 2 (4) 16	(3) 00 (4) 10
From the given alternative	16. An official meeting is
words, select the word which	attended by 130 department
cannot be formed using the	employees. Of them, 66 drink
letters of the given word :	tea, 56 drink coffee and 63
QUICKWITTED	drink juice. 27 can drink
(1) QUID (2) QUICK	either tea or coffee, 25 can
(3) QUIET (4) QUILT	drink coffee or juice and 23
If MUSTARD is written as	can drink juice and tea. 5
132119201184, how is PRO-	employees can drink any of
FUSE written in that code ?	the three. How many drink
(1) 16815621195	only tea ?
(2) 16181562195	$\begin{array}{cccc} (1) 21 & (2) 22 \\ (3) 18 & (4) 20 \end{array}$
(3) 16181521195	
(4) 161815621195	Directions (17 – 18) : In the
If $53 \div 31 = 2$ , $45 \div 27 = 1$ ,	following questions, which answer figure will complete the pattern in
$69 \div 32 = 3$ , then $97 \div 26 = ?$	the question figure ?
(1) 1 (2) 2	17. Question Figure
(3) 3 (4) 4	r. question rigure
The three equations follow	
the same numerical	
operation. Find the missing	
number according to it.	
178, 817; 534 = 453; 294 = ?	
(1) 429 (2) 492	PROTAL PICK INCOME
(3) 924 (4) 942	Answer Figures
Directions (12 – 14) : In the	
wing questions, select the	
ed word/letters from the alternatives.	
ABCD : QRST : : BACD : ?	
(1) RQST (2) STQR	
$(1) \operatorname{RQS1} (2) \operatorname{S1QR} (3) \operatorname{QRST} (4) \operatorname{RSTQ}$	18. Question Figure
BGEK : YTVP : : AFEJ : ?	
(1) UZBK (2) BGFK	
(1) UZBK (2) BGFK (3) ZUVQ (4) ZEDI (	La V
Bird : Feather : : Fish : ?	
(1) Gill (2) Scale	Answer Figures
(1) Gill (2) Scale (3) Tail (4) Fin	And the state of t
The last two digits of the	and the second s
binary equivalent of the	AAA
number 22684282483	KIN KIN KON K
s	(1) (2) (3) (4)

19. In the given diagram, Circle represents professional, Square represents dancers, Triangle represents musicians and Rectangle represents European. Different regions in the diagram are numberd 1 to 11.



Who among the following is not a musician but an European?

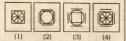
(1) 10	(2) 9
(3) 11	(4) 8

 Find the missing figure of the series from the given responses.

**Question Figures** 



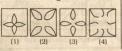
# **Answer Figures**



21. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened ?

### **Question Figures**



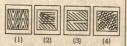


22. From the given answer figures, select the one in which the question figure is hidden/embedded

### **Question** Figure



#### **Answer Figures**



23. A circular sheet of paper is folded in a particular manner and a punch is made. When unfolded, the paper appears as given in the question figure. Find out the manner in which the paper is folded and punch is made from the responses given.

# **Question** Figure



### **Answer Figures**



24. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ? Question Figure



# r 25. A word is represented by only

one set of numbers as given in anv one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'R' can be represented by 02, 21, etc. and 'B' can be represented by 57, 76, etc. Similarly, you have to identify the set for the word 'KJAT'.

### MATRIX-I

12	0	1	2	3	4
0	S	Α	R	Y	K
1	Y	K	S	A	R
2	A	R	Y	K	S
3	K	S	A	R	Y
4	R	Y	К	S	Α
MATRIX-II					

10	5	6	7	8	9
5	J	Т	В	L	M
6	L	Μ	J	Т	В
7	T	В	L	М	J
8	Μ	J	Т	В	L
9	В	L	Μ	J	Т
(1) 04, 79, 20, 87 (2) 11, 67, 23, 75 (3) 30, 86, 01, 67 (4) 23, 89, 20, 87					
	6 7 8 9 1)0 2)1 3)3	5 J 6 L 7 T 8 M 9 B 1) 04, 7 2) 11, 6 3) 30, 8	5       J       T         6       L       M         7       T       B         8       M       J         9       B       L         11)       04, 79, 2       2)         11, 67, 2       3)       30, 86, 0	5         J         T         B           6         L         M         J           7         T         B         L           8         M         J         T           9         B         L         M           10.04, 79, 20, 8         2) 11, 67, 23, 7         3) 30, 86, 01, 6	5         J         T         B         L           6         L         M         J         T           7         T         B         L         M           8         M         J         T         B           9         B         L         M         J           10.04, 79, 20, 87         2)         11, 67, 23, 75         30, 86, 01, 67

PART-B NUMERICAL APTITUDE
NOMERICAL APTITODE
<b>26.</b> Q is a point in the interior of a rectangle ABCD. If $QA = 3$ cm, $QB = 4$ cm and $QC = 5$ cm, then the length of QD in centimetre is
(1) $3\sqrt{2}$ (2) $5\sqrt{2}$
(3) $\sqrt{34}$ (4) $\sqrt{41}$
27. A merchant purchases a wrist watch for ₹ 450 and fixes its list price in such a way that after allowing a discount of 10%, he earns a profit of 20%. Find the list price of the watch.
(1)₹ 480 (2)₹ 450
(3)₹ 600 (4)₹ 540
28. The cost of manufacture of a tape recorder is ₹ 1500. The manufacturer fixes the marked price 20% above the cost of manufacture. If the manufacturer wants to gain 8%, what is the rate of dis.
count that can be allowed ?
<ul> <li>(1) 20%</li> <li>(2) 15%</li> <li>(3) 11%</li> <li>(4) 10%</li> <li>29. A shopkeeper sold sarees at ₹ 266 each after giving 5%</li> </ul>
discount on labelled price.
Had he not given the dis-
count, he would have earned a profit of 12% on the cost price. What was the cost price of each sarce ?
(1) ₹ 280       (2) ₹ 260         (3) ₹ 240       (4) ₹ 250
(3)₹240 (4)₹250 30. A sum of ₹ 53 is divided
among A, B and C in such a way that A gets ₹ 7 more than what B gets and B gets ₹ 8 more than what C gets. The ratio of their shares is
(1) 16:9:18 (2) 25:18:10
(3) 18 : 25 : 10 (4) 15 : 8 : 30

31. x varies inversely as square of y. Given that y = 2 for x = 1, the value of x for y = 6 will be equal to

(1) 3hosted at yyww.educationobserver.com/for

- (3)  $\frac{1}{3}$  (4)  $\frac{1}{9}$
- 32. The milk and water in two vessels A and B are in the ratio 4:3 and 2:3 respectively. In what ratio, the liquids in both the vessels be mixed to obtain a new mixture in vessel C containing half milk and half water? (1) 5:7 (2) 7:5
  - $(3) \frac{1}{5} : \frac{1}{8}$   $(4) \frac{1}{5} : 7$
- 33. The average salary of all staff of a school is ₹ 10,000. The average salary of 20 teaching staff is ₹ 12,000 and that of non-teaching staff is ₹ 5000, the number of non-teaching staff will be

(2)8

(4) 12

- (1) 7 (3) 10
- 34. With an average speed of 40 km/hr, a train reaches its destination in time. If it goes with an average speed of 35 km/hr, it is late by 15 minutes. The total journey is (1) 30 km (2) 40 km (3) 70 km (4) 80 km
- 35. A sells an article to B at a gain of 10%. B sells it to C at a gain

of  $7\frac{1}{2}$ %. C disposes of it at a

loss of 25%. If the prime cost to the manufacturer A was ₹ 3200 then the price obtained by C is

(1) ₹ 2800 (2) ₹ 2580

- (3) ₹ 2670 (4) ₹ 2838
- 36. A man sold an article at a loss of 20%. If he could sell it for ₹ 200 more, he would make a profit of 5%. The cost price of the article is

 (1)₹ 700
 (2)₹ 800

 (3)₹ 850
 (4)₹ 900

37. If the selling price of a product is increased by ₹ 162, then the businessman will make a profit of 17% instead of loss of 19%. The cost price of the product is

 (1)₹ 360
 (2)₹ 450

 (3)₹ 540
 (4)₹ 600

38. The height of a triangle is increased by 10%. By what per cent should the base be decreased so that the area remain the same ?

(1) 
$$11\frac{1}{9}\%$$
 (2)  $9\frac{1}{11}\%$ 

(3) 10% (4) 9%

**39.** The length of a rectangle is increased by 60%. By what per cent would the width has to be decreased to maintain the same area ?

(1) 37.5% (2) 60%

(3) 75% (4) None of these

40. If the number formed by the last two digits of a three digit integer is an integral multiple of 6, the original integer itself will always be divisible by

(1) 6 (2) 3 (3) 2 (4) 12

**41.** If x = -1, then the value of

1	+ 1 +	1	1	. 1	. 1	. 1 .	
x99	$+\frac{1}{x^{98}}+$	x <sup>97</sup>	x <sup>96</sup>	x95	x94	*	
	is						
	(1)1			(2)0			
	(3) - 2	125		(1)-	1		

42. Stanie and Paul take a piece of work for ₹ 28,800. One alone could do it in 36 days, the other in 48 days. With the assistance of an expert, they finish it in 12 days. How much remuneration the expert should get ?

(1) ₹ 10000 (2) ₹ 18000

(3) ₹ 16000 (4) ₹ 12000

43. Three pipes A, B and C can fill a tank in 6 hours, 9 hours and 12 hours respectively. B and C are opened for half an hour, then A also opened. The time taken by the three pipes together to fill the remaining part of the tank is (1) 3 hours (2) 2 hours

(3) 
$$2\frac{1}{2}$$
 hours (4)  $3\frac{1}{2}$  hours

44. A road which is 7m wide surrounds a circular park whose circumference is 352 m. The area of the road in square

metre is  $\left( \text{taking } \pi = \frac{22}{7} \right)$ (1) 2518 (2) 2581 (3) 2618 (4) 2681

45. Speeds of a boat along and against the current are 12 km/hr and 8 km/hr respectively. Then the speed of the current in km/hr is

(1) 5	(2) 4
(3) 3	(4) 2

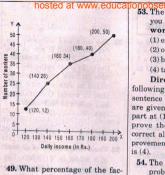
- 46. A bus covers four successive 3 km stretches at speeds of 10 km/hr, 20 km/hr, 30 km/ hr and 60 km/hr respectively. Its average speed over this distance is
  - (1) 30 km/hr
  - (2) 25 km/hr
  - (3) 20 km/hr
  - (4) 10 km/hr
- 47. A certain sum of money lent out at simple interest amounts to ₹ 1380 in 3 years and ₹ 1500 in 5 years. Find the rate per cent, per annum.

(1) 3 (2) 3.5 (3) 4 (4) 5

48. If the compound interest on a certain sum for 2 years at 4% p.a. is ₹ 102, the simple interest at the same rate of interest for two years would be

(1)₹ 200	(2)₹ 50
(3)₹ 150	(4)₹100

**Directions (49-50) :** The graph given below shows the daily income of 50 workers in a factory. Study the graph and answer the questions.



49. What percentage of the factory workers earn between
₹ 150 and ₹ 180 ?
(1)6% (2)16%

	(3) 12%	(4) 20%	
0	(T) 11	10 1 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21

- 50. The median wages in the factory is
   (1)₹ 140
   (2)₹ 138
  - (3)₹150 (4)₹160

# PART-C GENERAL ENGLISH

**Directions** (51-53) : In the following questions, four alternatives are given for the Idiom/ Phrase printed in **bold** in the sentence. Choose the alternative which best expresses the meaning of the Idiom/Phrase.

- 51. In the last few years, India has advanced by leaps and bounds in Industrial sector.
  - (1) very pathetically
  - (2) very slowly
  - (3) very rapidly
  - (4) very competently
- 52. The whole problem has been swept under the carpet, but that is not the solution.
  - (1) kept hidden
  - (2) ignored
  - (3) solved
  - (4) detected

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  - 3. The strawberry dessert you made was out of this world.
    - (1) extraordinary
  - (2) ordinary
  - (3) bitter
  - (4) tasteless

Directions (54-58) : In the following questions, a part of the sontence is printed in **bold**. Below are given alternatives to the bold part at (1), (2), (3) which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (4).

- 54. The difficulty level of this problem is extremely great.
  - (1) perplexity (2) hindrance
  - (3) intricacy
  - (4) No improvement
- 55. The cooking soup on the stove got burnt.
  - (1) The soup cooking on the stove got burnt.
  - (2) The soup which has been cooking on the stove gets burnt.
  - (3) The soup which have been cooking on the stove got burnt
  - (4) No improvement
- 56. Diamonds are eternal.
  - (1) enduring
  - (2) forever
  - (3) imperishable
  - (4) No improvement
- 57. I have studied such characters at close hand.
  - (1) close to hand
  - (2) at close quarters
  - (3) close off hand
  - (4) No improvement
- 58. I must quit the job now if I prefer a better one.
  - (1) It's time I quit the job if I prefer a better one
  - (2) It's time I quit the better job if I prefer
  - (3) It's time the job quits me before I get the better job
  - (4) No improvement

**Directions** (59-63) : In the following questions, out of the four alternatives choose the one which can be substituted for the given words /sentence.

- 59. Inability to sleep
  - (1) insomnia
  - (2) slumber
  - (3) lassitude
  - (4) sleeping sickness
- 60. One who knows everything
  - (1) omnipresent
  - (2) omnipotent
  - (3) omniscient
  - (4) almighty
- 61. Animals that eat flesh
  - (1) herbivorous
  - (2) omnivorous
  - (3) carnivorous
  - (4) aquatic
- 62. A handwriting which is difficult or impossible to read
  - (1) illegitimate
  - (2) illicit
  - (3) illegible
  - (4) illusive
- 63. Talking disrespectfully of sacred things
  - (1) heresy (2) atheism
  - (3) blasphemy (4) apostasy

**Directions (64-69)**: In the following questions, there are four different words out of which one is wrongly spelt. Find the wrongly spelt word.

- 64. (1) earring (2) gourrmet (3) torrent (4) carrying 65. (1) rationaly (2) rationing (3) rational (4) rationale 66. (1) asessment (2) harassment (3) nourishment (4) punishment 67. (1) horrefic (2) horror (3) horrid (4) horrible 68. (1) successful (2) succession
  - (3) succesor
  - (4) succeed

# 69. (1) underted at www.educationobservers com/doutinue for

- (2) unnerving
  - (3) unnecessary
- (4) unnecesserily
- (4) unnecesseriny

**Directions (70-74)**: In the following questions, you have a passage with 5 questions. Read the passage carefully and choose the best answer to each question out of the four alternatives.

## PASSAGE

The Met office has revised its prediction following decent rain on Monday morning, saying the cloud cover and light to moderate rain are likely to continue for at least the next 48 hours.

The weatherman had earlier predicted that the rain would dry up in the city and its adjoining areas for a couple of days from the start of the week.

The showers dragged down the day's maximum temperature four notches below normal to 28.3 degrees Celsius, from Sunday's 33.

"We wore expecting the rain the city had been receiving for the past couple of days to stop from Monday as there was no cyclonic circulation and the monsoon trough was moving away from the city. But the trough got stronger, resulting in the rain," said an official of the Alipore weather office.

The trough is passing through Daltanganj in Jharkhand, Bhagalpur in Bihar and the central part of Bengal.

"The monsoon trough now is not very close to Calcutta but it has gained in strength, resulting in Monday morning's shower in the city," the official said.

- **70.** Why did the Met office revise its prediction ?
  - (1) As the clouds gained in strength
  - (2) There was decent rain on Monday
  - (3) There was no cyclonic circulation
  - (4) The clouds passed away

- the
- (1) next two days at least
- (2) next four days
- (3) next eight hours
- (4) next month
- 72. The monsoon trough is passing through
  - (1) North Bengal
  - (2) Jharkhand
  - (3) The southern part of Bengal
  - (4) Alipore
- 73. What is the role of the Met office ?
  - (1) To warn the city of an accident
  - (2) To bring rain to the city
  - (3) To stop rain
  - (4) To predict rain
- 74. Rain falls in the city when the monsoon trough gets
  - (1) weaker(2) stronger(3) moderate(4) lighter

**Directions (75-84)** : In the following questions, some parts of sentences have errors and some are correct. Find out which part of a sentence has an error. The number of that part is the answer. If a sentence is free from error, your answer is (4) i.e. No error.

- **75.** Across the world (1)/ discussions on curing cancer are any longer (2)/ just wishful thinking, (3)/ No error. (4)
- 76. I and he (1)/ have prepared (2)/ the lesson thoroughly. (3)/ No error. (4)
- 77. The vacancy was filled (1)/ by a young scholar (2)/ who had an extensible knowledge of ancient art. (3)/ No error. (4)
- 78. This novel (1)/ of Sheldon is more interesting (2)/ than any other novel. (3)/ No error.(4)
- 79. An emminent surgeon (1)/ is visiting the hospital (2)/ to attend a surgeons' conference. (3)/ No error.(4)
- 80. Most countries in the world (1)/ is for (2)/ peace. (3)/ No error.(4)

Our off					
grams					
month.	(3)	/ No	erro	r. (4)	1

82. Many a man (1)' have realized (2)' that real happiness lies in making sacrifices. (3)' No error. (4)

83. One of the most important factor (1)/ that contribute to the success of a person (2)/ is his sincerity. (3)/ No error. (4)

84. A technical view of new gadgets (1)/ sometimes differ(2)/ from an economic perspective. (3)/ No error. (4)

Directions (85-94) : In the following questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four as your answer.

85. What would you have done if you\_\_\_\_ the train ? (1) have missed (2) had missed (3) missed (4) missing 86. I stayed in Mumbai eight vears. (1) for (2) since (3) through (4) around 87. If I her address. I would have called on her. (1) will have (2) had known (3) can have (4) shall have 88. Balu in several other States when he decided to work in Kolkata (1) had worked (2) worked (3) had been working (4) working 89. The degree will be awarded during the annual (1) conference (2) convention (3) convolution (4) convocation 90. She slipped and \_\_\_\_ her ankle. (1) broken (2) sprained (3) massaged (4) hurted

91. Mussoorie, the Queen of hills in India, offers many (1) entertainments (2) sights (3) attractions (4) tourists 92. The boys whom I was playing are all my good friends (1) with (2) to (3) of (4) bv 93. Parveen and Neelima could not enroll in the college they had already managed to get a passing score in the official exam. (1) therefore (2) even though (3) hence (4) moreover 94. The gypsies do not live at a particular place. (1) broadly (2) willingly (3) permanently (4) voluntarily Directions (95-97) : In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word. 95. Demise (1) death (2) misfortune (3) accident (4) dismissal 96. Adversity (1) opponent (2) misfortune (3) adversary (4) hostility 97. Mundane (1) musical (2) ordinary (3) mortal (4) mandatory Directions (98-100) : In the following questions, choose the word opposite in meaning to the given word 98. Liberation (1) movement (2) bondage (3) service (4) unrest 99. Cruel (1) rich (2) wicked (3) poor (4) kind 100. Pessimist (1) theist (2) optimist

(3) vocalist

(4) believer

### PART-D **GENERAL AWARENESS** 101. Which of the following ruler was a contemporary of Buddha ? (1) Udavin (2) Bimbisara (3) Ajatshatru (4) Mahapadma Nanda 102. During the reign of which Pallava ruler began the long drawn struggle between the Pallavas and the Chalukyas ? (1) Mahendravarman I (2) Simhavishnu (3) Narasimhayarman I (4) Mahendravarman II 103. The largest producer of wool in the world is (1) Australia (2) China (3) Argentina (4) New Zealand 104. 'Saddle Peak' the highest peak of Andaman and Nicobar Islands is located in (1) Great Nicobar (2) Middle Andaman (3) Little Andaman (4) North Andaman 105. Which one of the following is correctly matched ? 1. North China : Rice 2. South China : Wheat 3. Candy Basin : Coffee 4. Malaysia : Natural Rubber (1)1(2) 2 (3)3(4) 4 106. India's area is about .... times larger than Pakistan. (1)3(2) 4 (3)6(4)9107. The shortest air route from Perth to London is (1) Perth-Mumbai-Rome-London (2) Perth-Ankara-Paris-London (3) Perth-Aden-Paris-London (4) Perth-Mombasa-Rome-

London

	hosted at www.educa	tionobserver.com/forum (1) They have low melting
108. Wings of a bird and an insect		(1) They have low melting
are	falling	and boiling points
(1) Homologous organs	(3) The mercury level does	(2) They do not dissolve in
(2) Analogous organs	not change	water
(3) Vestigial organs	(4) The bell jar breaks up	(3) They are not easily com-
(4) Rudimentary organs	116. The wavelength at which the	bustible
109. Which one of the following is	peak of intensity of black-	(4) They contain mainly car-
the respiratory pigment in	body radiation occurs	bon and hydrogen
man ?	(1) increases with increase in	123. The weight of $6.023 \times 10^{22}$
(1) Haemocyanin	temperature	atoms of carbon is
(2) Haemoerythrin	(2) decreases with increase in	(1) 12 gms (2) 120 gms
(3) b-Carotene	temperature	(3) 1.2 gms (4) 0.12 gms
(4) Haemoglobin	(3) is the same at all temper-	124. The causative virus of AIDS
110. Kala-azar is transmitted by	atures	was isolated in the year of
(1) tsetse fly	(4) does not follow any pat-	(1) 1980 (2) 1981
(2) housefly	tern as temperature	(3) 1983 (4) 1986
(3) anopheles mosquito	changes	125. If the sewage is fully oxi-
(4) sand fly	117. Majority of the errors blamed	dized, the nitrogen is in the
	on computers are actually	form of
111. Which of the following is an insectivorous plant ?	due to	(1) Nitrites (2) Ammonia
(1) Balanophora	(1) programming errors	(3) Nitramines (4) Nitrates
(2) Rafflesia	(2) hardware failure	126. Man perceives sound vibra-
(3) Orobanche	(3) defects in media	tions in the frequency rang-
(4) Drosera	(4) data entry errors	es of
	118. The alignment of beginning	(1) 0 - 5 Hz (2) 6 - 10 Hz
112. Seed dormancy is regulated-	and the end of lines is re-	A THE PARTY STATE
by	ferred to as	(3) 11 – 15 Hz
(1) Abscisic acid	(1) Indentation	(4) 20 – 20000 Hz
(2) Gibberellic acid	(2) Justification	127. Potential of air pollution in-
(3) Indole acetic acid	(3), Superscript	creases when the ventilation
(4) Ethylene	(4) Font	coefficient is
113. One bar is equal to	119. Which of the following is not	$(1) > 11,000 \text{ m}^2/\text{s}$
(1) 10 <sup>3</sup> Pa (2) 100 Pa	a logical operator ?	$(2) > 7,600 \text{ m}^2/\text{s}$
$(3) 10^5$ Pa (4) $10^4$ Pa	(1) ADD (2) AND	$(3) < 3,600 \text{ m}^2/\text{s}$
114. Specific gravity is defined as	(3) NOT (4) OR	$(4) < 6,000 \text{ m}^2/\text{s}$
the ratio of	120. Bayer's reagent is	128. How many spokes are there
(1) density of the substance	(1) Alkaline potassium per-	in the Dharma Chakra of the
to the density of water	manganate	National flag ?
(2) density of the substance	(2) Acidified potassium per-	(1) 22 (2) 18
to the density of water at	manganate	(3) 24 (4) 14
0°C not the the second	(3) Hydrogen peroxide	129. First American President to
(3) density of water at 4°C to	(4) Bromine water	visit India is
the density of the sub-	121. The value of Avogadro Num-	(1) D. D. Eisenhower
	ber is	(2) Jimmy Carter
(4) density of the substance to the density of water at	$(1) 6.023 \times 10^{22}$	(3) George Washington
to the density of water at 4°C	(2) $6.023 \times 10^{23}$	(4) Ronald Reagon
115. A barometer is kept inside a	$(3) 6.023 \times 10^{24}$	130. Which among the following
bell jar. Air is slowly pumped	$(4) 6.023 \times 10^{25}$	is not one of the important
out of the jar.	122. Choose the incorrect state-	gold mines in the country ?
(1) The mercury level starts	ment pertaining to organic	(1) Kolar (2) Hospet
rising	compounds	(3) Ramgiri (4) Hutti
Tiomg		(o) nameni (a) nutti

131. Papeti is the festival of	137. The latest official language of	tionobserver.com/forum
(1) Parsis (2) Jains	the United Nations is	sovereignty
(3) Sikhs (4) Buddhists	(1) Chinese (2) Arabic	(4) neither external nor in-
132. The Second Chief Election	(3) Spanish (4) Russian	ternal sovereignty
Commissioner of India was	138. When percentage change in	<b>146.</b> Which of the following is a
(1) Sukumar Sen	demand for a commodity is	political right ?
(2) S. P. Sen Verma	less than percentage change	(1) Right to Work
(3) K. V. K Sundaram	in its price, then demand is	(2) Right to Education
(4) T. Swaminathan	said to be	(3) Right to Freedom of Ex-
<b>133.</b> Which of the following is not	(1) Highly elastic	pression
a recipient of the Dada Sa-	(2) Inelastic	(4) Right to Vote
heb Phalke Award ?	(3) Relatively elastic	147. Who among the following de-
(1) Prithvi Raj Kapoor	(4) Perfectly inelastic	scribes the press groups as
(2) Mrs. Kanan Devi	139. The book "Employment, In-	the Third House of the Leg- islature ?
(3) Gemini Ganesan	terest and Money" was writ-	(1) Lord Bryce
(4) Mrs. Devika Rani	ten by	(2) H. M. Finer
134. Which planets do not have	(1) J. M. Keynes	(3) G. D. H. Cole
satellites revolving around	(2) A. Marshal	(4) Dicey
them ?	(3) D. Patinkin	148. Prithviraj Chauhan was de-
(1) Mars and Venus	(4) A. Smith	feated by Mohd. Ghori in the
(1) Mars and Venus	140. Who propounded Dynamic	battle of
(3) Mars and Mercury	Theory of profit ?	(1) Tarain in 1191 A.D.
(4) Neptune and Pluto	(1) Clark	(2) Tarain in 1192 A.D.
135. Which of the following is cor-	(2) Schumpeter	(3) Chandawar in 1193 A.D.
rectly matched with regard	(3) Knight (4) Hawly	(4) Ranthambhor in 1195 A.D. 149. In which year did the Indian
to thermal power project ?	141. The Central Statistical Or-	National Congress split be-
(1) Talcher – Andhra Pradesh	ganisation (CSO) provides	tween moderates and ex-
(2) Korba – Uttar Pradesh	data under a new revised se-	tremists ?
(3) Kawas – Gujarat	ries in which the base year	(1) 1907 (2) 1908
(4) Ramagundam – Madhya	is taken as	(3) 1909 (4) 1910
Pradesh	(1) 1960-61 (2) 1970-71	150. Which one of the following
136. Match the following:	(3) 1980-81 (4) 1990-91	U.S. President visited China
List-I (Organisations)	142. The remuneration of the en-	in 1972 for strengthening
a. United Nations Industri-	trepreneur in production is	diplomatic ties ? (1) Richard Nixon
al Organisation	(1) Pure profit	(2) George Bush (Senior)
b. Food and Agricultural Or-	(2) Gross profit	(3) D Eisenhower
ganisation	(3) Net profit	(4) J.F.Kennedy
c. World Health Organisa- tion	(4) Super-normal profit	
d. United Nations Educa-	143. The Headquarters of Inter- national Labour Organisa-	
tional, Scientific and Cul-	tion is located at	
tural Organisation	(1) Paris (2) New York	
List-II (Headquarters)	(3) Rome (4) Geneva	
1. Geneva 2. Paris	144. Who called Political Science	
3. Berne 4. Rome	an 'inexact science' ?	
5. Vienna	(1) Bluntschli (2) Bryce	
(1) a-3, b-4, c-2, d-1	(3) Bodin (4) Buckle	
(1) a-3, b-4, c-2, d-1 (2) a-5, b-2, c-4, d-3	145. The state possesses	
(3) a-4, b-3, c-2, d-5	(1) only external sovereignty	
(3) a-4, b-3, c-2, d-5 (4) a-5, b-4, c-1, d-2	(2) only internal sovereighty	
(4/ d-0, 0-4, c-1, u-2	(2) only internal sovereighty	