SSC Combined Higher Secondary Level Exam Question Paper Held on 11-12-2011



PART – I

Coronana and Marine Solar GENERAL INTELLIGENCE

Directions : In question nos. 1 and 2, which one	9 Showing a man a woman said, "his
of the given responses would be a meaningful	brother's father is the only son of my
order of the following words in ascending order ?	grandfather". How is the woman related to
1. Atomic Age 2. Metallic Age	the man?
3. Stone Age 4. Alloy Age	(A) Aunt (B) Sister
(A) 1, 3, 4, 2 (B) ,3, 2, 4, 1	(C) Daughter (D) Mother
(C) 2, 3, 1, 4 (D) 4, 3, 2, 1	19 F has less money than H but more than G.
2. Cure 2. Doctor 3. Disease	E has more than F but less than H. Who is
4. Diagnosis 5. Medicine	the poorest ?
(A) 2, 4, 3, 5, 1 (B) 3, 2, 4, 5, 1	(A) F (B) E
(C) 4, 2, 3, 5, 1 (D) 4, 3, 2, 1, 5	(C) H
3 Which one set of letters when sequentially	
placed at the gaps in the given letter series	If From the given alternatives select the word
shall complete it ?	which <i>cannot</i> be formed using the letters of
a b cdd q bcd d abc d dab C	the given word.
(A) baddc (B) abddc	SPECTRUM (B) DECTUM
(C) badcd (D) bdadc	(A) SEPTUM (B) RECTUM
Directions : In question nos. 4 to 7, a series is	(C) CUSTOM (D) SPECT
given, with one/two term missing. Choose the	(12) A group of alphabets are given with each
correct alternative from the given ones that will	being assigned a number. These have to be
complete the series.	unscrambled into a meaningful word and
X, S, U. O. Q. ??	correct order of letters may be indicated
(A) NO (B) L M	from the given responses.
(C) J K (D) H I	UBANR
5/EAC, GCE, IEG, ?	1 2 3 4 5
(A) JHI (B) KGI	(A) 1 4 2 3 5 (B) 1 5 2 3 4
(C) JGI (D) KIJ	(C) 4 1 5 3 2 (D) 5 3 4 2 1
61, 9, 25, 7, 81	13 APPRECIATION is coded as 177832419465
(A) 36 -(B) 49	How will you code PERCEPTION ?
(G) 64 (D) 28	(A) 7382379465 (B) 7392378465
7 3, 6, 12, 21, ?, 48	(C) 7292378465 (D) 7383297465
(A) 31 (B) 33	14 Select the correct combination of mathe
(C) 34 (D) 38	matical signs to replace * signs and ta
Find the wrong number in the given series.	balance the given equation.
3, 6, 11, ⁷ 16, ⁹ 27, '38.	16 * 2 * 24 * 3 * 6
(A) 6 (B) 38	(A) $+ = - \div$ (B) $\times - + =$
(C) 16 (D) 27	$(C) + \div = \div \qquad (D)' \div =$
	and the second

Directions : In question nos. 25 to 33, select th related word/letters/number from the give		n nos. 34 to 42, select the nt from the other three
alternatives.	responses.	n nom une outer unee
25./Defy : Obey :: Rest : ?	(A) Pen	(B) Crayon //
(A) Lazy (B) Idle (C) Labour (D) Work	Eraser	(D) Pencil
26/Water : Swim :: Land : ?	135 (A) Moon	(B) Mars
(A) Walk (B) Stand	(C) Venus	(D) Jupiter
(C) Sit (D) Move	36 (A) Democracy	(B) Parliament
27 Patient : Doctor :: ?	(C) Uncivil	(D) Election
Student : Advisor	in the one with	
(B) Scissor : Iron	37, (A) B 2	(B) C2
(C) Apple : Knife	(C) D	Dres
(D) Nurse : Surgeon	38 (A) EBD	(B) IFH
28/AN: BO:: CP:?	(C) QNO	(D) YVX
(B) FS	ing prio	
(C) DS (D) FQ	39, (A) QRST	(B) BECD
29. DDW : ECV :: FBU : ?	(C) FIGH	(D) LOMN
(A) GAW (B) GAV	40/(A) 10	(B) 26
(C) VAG (D) GAT	(C) 24	(D) 21
30. BCDZ : CDEV :: DEFT : ?		
(A) FFGQ (B) EGFR	41/ (A) 22 - 30	_B) 44 336
(C) EFGP _O) EFGS	€ 52 ¹ 62	(D) 77 – 85 I
31. 196 : 169 :: 81 : ?	42, (A) 78 - 87	(B) 49 - <u>94</u>
(A) 64 (B) 72 +	(C)_96= 68	(D) 56 - 65
_(C) ⁺ 100 (D) 144		
32. 30 : ? :: <u>130</u> : 222		the following words
(A) 30 (B) 40 *	according to English D	ictionary.
(C) 66 (D) 68	13 1. Banal 2.	Banana 3. Banish
33. 4, 16, 4: 2, 4, 2 :: ? : 3, 9, 3,	4. Bandage 5.	
(A) 6, 9, 6 (B) 9, 81, 9		(B) 1, 2, 4, 3, 5
(C) 9, 27, 9 (D) 9, 18, 9	(0) 1, 2, 4, 5, 3	(D) 1, 3, 2, 5, 4

Two statements are given followed by four conclusions I, II, III and IV. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You are to decide which of the given conclusions, if any, follow from the given statements. Indicate your answer.

Statements (1) : Blue is Black and some Black is Red.

(2) : All red is Green but not Yellow.

Conclusions

I: Some Blue is Green.

No Black is Yellow. Some Black is not.

- - TV : No Black is Green.

Yellow.

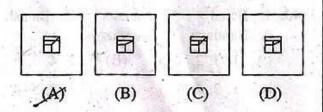
- (A) Only I and II follow
- (B) Only II and IV follow
- (C) Only I and III follow
- (D) Only I, II and IV follow

45 Which answer figure will complete the pattern in the question figure ?

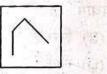
Question figure



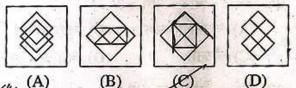
Answer figures



belect the answer figure in which the question figure is hidden/embedded. Question figure



Answer figures

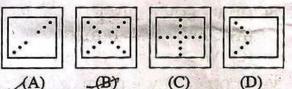


A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened ?

Question figures



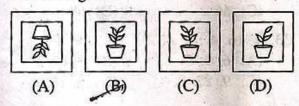
Answer figures



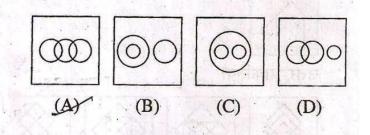
Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the line AB ? Question figure



Answer figures



Which one of the following diagrams best depicts the relationship among Honey-bee, Insect and Housefly?



A word is represented by only one set of numbers as given in any 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 3 and that of Matrix II are numbered from 4 to 7. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 00, 12, 21, etc. and 'T' can be represented by 02, 10, 23, etc. Identify the set for the word LAMB.

MATRIX I MATRIX II

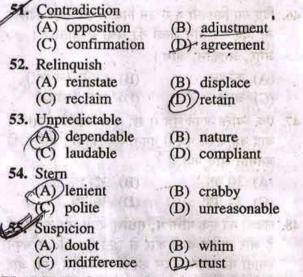
	0	1	2	3		4	5	6	17
0	A	M	T	Ι	4	E	B	L	τ
1	T-	I	A	M	5	K	U	E	F
2	I	A	M	T	6	U	E	B	I
3	M	T	I	A	7	B	K	U	E

Therefierer referrer and and - II have a state of the therefield the

ENGLISH LANGUAGE

Directions: In question nos. 51 to 55, choose the word opposite in meaning to the given word and mark it in the Answer-Sheet.

THE CONTRACTOR



Directions: In question nos. 56 to 60, four alternatives are given for the idiom/phrase underlined in the sentence. Choose the alternative which best expresses the meaning of the idiom/phrase and mark it in the Answer-Sheet.

56. He put across his ideas to the Minister.

- (A) made available
- (B) effectively conveyed
- (C) strongly expressed
- (D) laid aside
- 57. George and I are neighbours, but we don't see eye to eye with each other.
 - (A) like (B) interact (C) agree (D) fight
- 58. The question of unemployment is a hard nut to crack.
 - (A) difficult task
 - (B) different matter
 - (C) impossible task
 - (D) inexplicable problem
- 59. The rat race among the leaders is revolting.
 - (A) corruption
 - (B) nepotism
 - (C) favouritism
 - (D) fierce competition for power

60. People were dropping like flies in the intense heat.

11 12+10-16 b the 10 110 25

- ((A) collapsing in large numbers
- (B) getting infected with many diseases
- (C) taking leave in large numbers
- (D) sitting down in the shade

Directions : In question nos. 61 to 65, a part of the sentence is underlined. Below are given alternatives to the underlined part at (A), (B) and (C) which may improve the sentence. Choose the correct alternative. In case no improvement is needed your answer is (D).

- 61. All the students have passed out of the final examination.
 - (A) passed on
 - (B) passed away
 - (C) passed
 - (D) No improvement
- 62. The greater part of the building has been destroyed.

ALL SALES THERE WAS THE

XIMINA

- (A) spoiled
- (B) demolished
- (C) disturbed
- (D) No improvement
- 63. This is one of the best novels that have appeared this year.
 - (A) that
 - (B) that has
 - (C) to have
 - (D)) No improvement
- 64. This course does not have any requirements.
 - (A) reason
 - (B) technique
 - (C) prerequisite
 - (D) No improvement
- 65. You abstained to speak ill of others.
 - (A) to speaking
 - ((B)) from speaking
 - (C) to speak to
 - (D) No improvement
 - . . .

Directions : In question nos. 66 to 70, out of the four alternatives, choose the one which can be substituted for the given words/sentence and indicate it by blackening the appropriate rectangle [m] in the Answer-Sheet.

66. Large number of insects, birds etc. moving about

(A) crowd
(B) group
(D) swarm

67. A person who readily believes others

(A) sensible
(B) credulous
(C) sensitive
(D) credible

68. Dry weather with no rainfall

(A) summer (B) desert (C) drought (D) autumn

69. Unrelated to the subject

 (\mathcal{O})

(A) irrelevant (B) superficial

(C) specific (D) general

70. Complete change of form (A) transgression (B) translation

transformation (D) transmigration

Directions : In question nos. 71 to 75, groups of four words are given. In each group, one word is correctly spelt. Find the correctly spelt word and mark your answer in the Answer-Sheet.

	1 01097	1.1011/11	139791 01111
71. (A)	circuitous	(B)	circuitus .
(C)	circutous	(D)	circutious
72/(A)	asassinate	(B)	asasinite
	assassinate	(D)	assasinate
73. (A)	malleable	(B)	maleable
	maliable	(D)	malliable
74 (A)	plateau	(B)	plataeu
	plataue	(D)	plateue
75/(A)	embbarass	. B)	embarrass
	embarass	(D)	embarras
		and the second se	

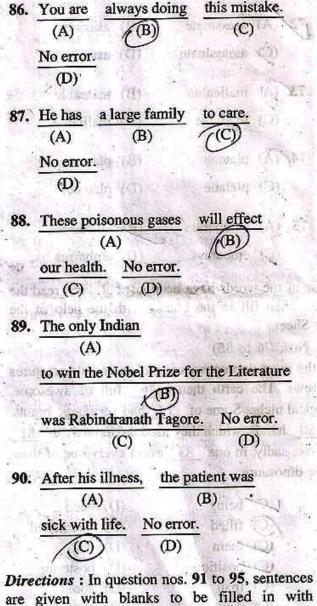
Directions : In the following passage (76 to 85), some of the words have been left out. First read the passage over and try to understand what it is about. Then fill in the blanks with the help of the alternatives given. Mark your answer in the Answer-Sheet.

PASSAGE (Question Nos. 76 to 85)

Just sixty-five million years ago our ancestors were the most unprepossessing of mammals-creatures with the size and intelligence of moles or tree shrews. The earth then <u>76</u> full of awesome, nightmarish lizards which <u>77</u> virtually every ecological niche. Some of <u>78</u> had very large brains, an upright <u>79</u> and two little front legs very much <u>80</u> hands, which they used dexterously to <u>81</u> small animals for dinner. But then <u>82</u> did not survive, sadly, in one <u>83</u> event every one of them was <u>84</u>. And no one knows what wiped <u>85</u> the dinosaurs.

7.6. (A) was	(B) is	L(C) being	(D) been
77. (A)-created	(B) emptied	(C) filled	(D) threatened
78. (A) which	(B) whom	(C) them	(D) who
,79. (A) posture	(B) pose	(C) position	(D) posterior
80. (A) 25	(B) like	(C) than	(D) about
81. (A) frighten	(B) eatch	(C) drive	(D) chase
82. (A) monkeys	(B) moles	(C) tree shrews	(D) dinosaurs
83. (A) insignificant	(B) catastrophic	LC)-unpleasant	(D) enlivening
84. (A) survived	(B) participated	destroyed	(D) separated
85 (A) out	(B) on `	(C) of	(D) away

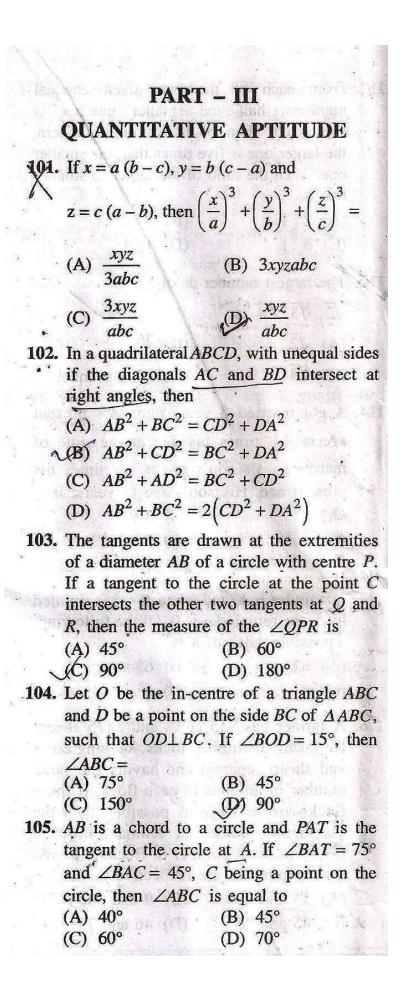
Directions: In question nos. 86 to 90, some of the sentences have errors and some have none. Find out which part of a sentence has an error and blacken the rectangle [II] corresponding to the appropriate letter (A, B, C). If there is no error, blacken the rectangle [III] corresponding to (D) in the Answer-Sheet.



Directions: In question nos. 91 to 95, 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 and indicate it by blackening the appropriate rectangle [m] in the Answer-Sheet.

91. The old gentleman _____ to be a very good friend of my grand-father. (A) turned in (B) turned over (C) turned out (D) turned up , that young people are 92. Its a inspired by celebrities. (B) myth (A) lie (C) bluff (D) mistake (93) Had I saved money, I a new car. (A) will purchase (B) would purchase (O) would have purchased (D) purchased his matric 94. He decided to examination in order to get a higher score. (B) reappear (A) redo (D) remake C) rewrite 95. The police pushed the people back to for Prime Minister's make car to pass. STOLDHARD Y (B) way (A) passage (C) place (D) area Directions : In question nos. 96 to 100, out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer-Sheet. Diligent (B) eminent (A) intelligent (D) reliable (C) hardworking south animated in the of the offerences 97. Tempest (A) drama (B) temperature

(C) temptation . (D)/storm 98. Anstant (A) constant (B) distant (C) immediate (D)-sudden 99/ Disaster (B) epidemic (A) death (D) derailment (C) misfortune ED.MININE 100 Adverse (B) unfavourable (A) unequal (D) undue (C) unwanted

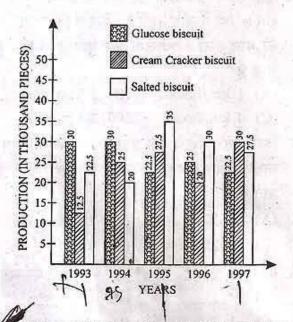


106. D is any point on side AC of $\triangle ABC$. If P, Q, X, Y are the mid-points of AB, BC, AD and DC respectively, then the ratio of PX and QY is (A) 1:2 (B) 1:1 (C) 2:1 (D) 2:3	 112. From each of the two given unequal numbers, half the smaller number is subtracted. Then, of the resulting numbers, the larger one is five times than the smaller one. Then the ratio of the larger to smaller one is (A) 2:1 (B) 3:2
16. If $2\cos\theta - \sin\theta = \frac{1}{\sqrt{2}}$, $(0^\circ < \theta < 90^\circ)$ the	(C) 3:1 (D) 1:4
value of $2 \sin\theta + \cos\theta$ is (A) $\frac{1}{\sqrt{2}}$ (B) $\sqrt{2}$ (B) $\sqrt{2}$ (D) $\frac{\sqrt{2}}{3}$	113 The largest number among $\sqrt{2}$, $\sqrt[3]{3}$, $\sqrt[4]{4}$ is (A) $\sqrt{2}$ (B) $\sqrt[3]{3}$
If $\frac{\sin\theta + \cos\theta}{\sin\theta - \cos\theta} = 3$, then the value of	(C) ∜4 (D) All are equal
$\sin\theta - \cos\theta$ $\sin^{4}\theta - \cos^{4}\theta \text{ is}$ $(A) \frac{1}{5} \qquad (B) \frac{2}{5}$ $(C)' \frac{3}{5} \qquad (D) \frac{4}{5}$ The value of $\tan 1^{\circ} \cdot \tan 2^{\circ} \cdot \tan 3^{\circ} \cdot \tan 4^{\circ} \dots$ $\tan 87^{\circ} \cdot \tan 88^{\circ} \cdot \tan 89^{\circ} \text{ is}$	114. A got married 8 years ago. A's present age is $1\frac{1}{4}$ times his age at the time of marriage. A's son's age is $\frac{1}{10}$ times his present age. His son's age in years, is (A) 2 (B) 3 (C) 4 (D) 5
(A) $\frac{1}{\sqrt{3}}$ (B) $\sqrt{3}$ (C) 1 (D) undefined Two poles of equal heights are standing opposite to each other on either side of a road which is 100 m wide. From a point between them on road, angles of elevation of their tops are 30° and 60°. The height of each pole in m, is (A) $25\sqrt{3}$ (B) $20\sqrt{3}$ (C) $28\sqrt{3}$ (D) $30\sqrt{3}$ (II) If $\sec^2\theta + \tan^2\theta = 7$, then the value of θ , when $0^\circ \le \theta \le 90^\circ$, is	 115. When an integer K is divided by 3, the remainder is 1, and when K + 1 is divided by 5, the remainder is 0. Of the following, a possible value of K is (A) 62 (B) 63 (C) 64 (D) 65 116. A farmer has 945 cows and 2475 sheep. He farms them into flocks, keeping cows and sheep separate and having the same number of animals in each flock. If these flocks are as large as possible, then the maximum number of animals in each flocks required for the purpose are respectively
(A) 60° (B) 30° (C) 0° (D) 90°	(A) 15 and 228(B) 9 and 380(C) 45 and 76(D) 46 and 75

117. The number of sides in two regular 123. A circus tent is cylindrical up to a height of polygons are in the ratio 5:4 and the 3 m and conical above it. If its diameter is difference between each interior angle of 105 m and the slant height of the conical the polygons is 6°. Then the number of part is 63 m, then the total area of the sides are canvas required to make the tent is (A) 15, 12 (B) 5, 4 $\left(\text{take } \pi = \frac{22}{7} \right)$ (C) 10, 8 (D) 20, 16 (A) 11385 m² (B) 10395 m² 118/If the length of each side of a regular tetra-(D) 990 m² (C) 9900 m² hedron is 12 cm, then the volume of the tetrahedron is 8 and C can complete a piece of work in (A) $144\sqrt{2}$ cu. cm. (B) $72\sqrt{2}$ cu. cm. 12 days, C and A can do it in 8 days. All the three can do it in 6 days. A and B together (C) $8\sqrt{2}$ cu. cm. (D) $12\sqrt{2}$ cu. cm. can complete it in 119. If the radii of the circular ends of a truncated (A) 4 days (B) 6 days conical bucket which is 45 cm high be 28 cm (D) 10 days (C) 8 days and 7 cm, then the capacity of the bucket in A can do a work in 9 days, if B is 50% cubic centimetre is (use $\pi = \frac{22}{7}$) more efficient to A, then in how many days (A) 48510 (B) 45810 can B do the same work? (C) 48150 (D) 48051 (A) 13.5 (B) 4.5 (C).6. (D) 3 A cone, a hemisphere and a cylinder stand on equal base and have the same 126; The successive discounts of 10% and height. Their volumes are in the ratio 20% are equivalent to a single discount (A) 1:3:2 (B) 2:3:1 of (C)1:2:3 (D) 3:1:2 BT 28% (A) 30% A metal wire when bent in the form of a (C) 25% (D) 27% square encloses an area 484 cm². If the same wire is bent in the form of a circle, 127. A dealer marks his goods at 40% above the cost price and allows a discount of 20% on then (taking $\pi = \frac{22}{7}$) its area is the marked price. The dealer has a (A) 308 cm^2 (B) 506 cm^2 (B) gain of 25% (A) loss of 20% (C) 600 cm^2 (D) 616 cm^2 (C) loss of 12% (D) gain of 12% 122. Sides of a parallelogram are in the ratio f 120% of a is equal to 80% of b, then 5:4. Its area is 1000 sq. units. Altitude on the greater side is 20 units. Altitude $\frac{b+a}{b-a}$ is equal to on the smaller side is (A) 30 units (B) 25 units (B) 6 (C) 10 units (D) 15 units (D) 8

1	
	1 125 A literation also had in added to 6 literation
The ratio of spirit and water in two	135. A litre of pure alcohol is added to 6 litres of
mixtures of 20 litre and 36 litre is 3 : 7 and	30% alcohol solution. The percentage of water in the solution is
7:5 respectively. Both the mixtures are	A REAL PROPERTY OF THE PROPERT
mixed together. Now the ratio of the spirit	(A) 50% (B) 65%
and water in the new mixture is	60% LDT 40%
(A) 25:29 (B) 9:10	136 A man can row 30 km downstream and
(C) 27:29 (D) 27:31	return in a total of 8 hours. If the speed of
130. The average of n numbers x_1, x_2, \dots, x_n is	the boat in still water is four times the
	speed of the current, then the speed of the
\overline{x} then the value of $\sum_{i=1}^{n} (x_i - \overline{x})$ is equal to	current is the around SV4+1 (A)
	(A) 1 km/hour 2 km/hour
(A) n (B) 0	(C) 4 km/hour (D) 3 km/hour
(C) $n\overline{x}$ (D) \overline{x}	137 The difference between the simple and
131 The average of six numbers is 32. If each of	compound interest on a certain sum of
the first three numbers is increased by 2	money for 2 years at 4% per annum, is
and each of the remaining three numbers is	₹ 1. Find the sum.
decreasing by 4, then the new average is,	(A) ₹ 630 (B) ₹ 620
(A) 35 (B) 34	(C) ₹ 625 (D) ₹ 635
(D) 30	
132 The cost price : selling price of an article is	138. If $x^2 + 2 = 2x$, then the value of
a:b. If b is 200% of a then the percentage	$x^4 - x^3 + x^2 + 2$ is an independent of the set of
of profit on cost price is	(A) 0 fame and (B) 1 m mark
(A) 75% (B) 125%	(C) -1 (D) $\sqrt{2}$
(C) 100% (D) 200%	
133 A person sells 400 mangoes at the cost	139. If $2^x = 3^y = 6^{-z}$, then $\left(\frac{1}{x} + \frac{1}{y} + \frac{1}{z}\right)$ is equal to
A price of 320 mangoes. His percentage of	(A) 0 (B) 1
loss is	THE REAL PROPERTY OF THE THE THE THE THE STATE STATES
(A) 10 (B) 15	(C) $\frac{3}{2}$ (D) $-\frac{1}{2}$
(A) 10 (B) 15 (C) 20 (D) 25	a mante thereat not not state to the state
134. A person ordered 4 shirts of brand A and	140. If $\frac{1}{x+y} = \frac{1}{x} + \frac{1}{y} (x \neq 0, y \neq 0, x \neq y)$ then
some shirts of brand B. The price of one	x + y + x + y = 1 (we find $y = x$.)
shirt of brand A was twice that of brand B.	the value of $x^3 - y^3$ is (A) 0 (B) 1 (C) -1 (D) 2
When the order was executed, it was found	(A) 0 (B) 1
that the numbers of the two brands has	(C) -1 (D) 2
been interchanged. This increased the bill	141. For real a, b, c if $a^2 + b^2 + c^2 = ab + bc + ca$,
by 40%. The ratio of the number of brand A	
shirts to that of brand B shirts in the original	then the value of $\frac{a+c}{b}$ is
order was	
(A) 1:2 (B) 1:3	(A) 1 (B) 2 (C) (A)
(C) 1:4 (C) (D) 1:5	(C) 3 1 2 (D) 0 1 2 (D)

The bar diagram given below shows the productions (in the unit of thousand pieces) of three types of biscuits by a company in the five consecutive years. Study the diagram and answer the questions 142 to 146.



The percentage drop in the number of glucose biscuit manufactured from 1994 to 1995 is

(A) 10		(B)	15
(C)+25	6.8	(D)	20

The difference (in the unit of thousand pieces) between the total number of cream cracker biscuits manufactured in the years 1993, 1995 and 1997 and the total number of the biscuit of same type in the years 1994 and 1996 is

(A) 15	(B) 25
(C) 30	(D) 20

Total production of all the three types of biscuits was the least in the year

(A)	1993	1	(B)	1997	
(C)	1996		(D)	1995	

5 The production of all the three types of biscuits was maximum in the year

(A) 1995 (B) 1994 (C) 1996 (D) 1993

146. The ratio of production of glucose biscuits

A and total production of biscuits in that year was maximum in

(A)	1994	1.	(B)	1993
(C)	1996		1000	1997

Study the following table which shows the number of students appeared and passed in different streams in a University and answer the questions 147 to 150:

	Engin	eering	Med	lical	Manag	Management		Commerce	
YEAR	App- eared	Pass	App- eared	Pass	App- eared	Pass	App- eared	Pass	
2001	324	289	469	246	96	69	1467	1310	
2002	386	312	430	364	74	62	1246	1129	
2003	284	212	384	326	124	102	1387	1176	
2004	310	246	395	298	106	92	1180	1074	
2005	426	382	424	38,2	92	74	1562	1326	
2006	380	286	466	405	78	63	1374	1207	

147 Approximately what per cent of students appearing in medical, passed in 2003?
(A) 75%
(B) 85%
(C) 78%
(D) 88%
148. Approximately what per cent of total students appearing in 2004, appeared in

 commerce stream ?

 (A) 55.3%
 (B) 64.4%

 (C) 52.5%
 (D) 59.3%

149. The number of students appearing in all streams was <u>minimum</u> in the year (A) 2002 (B) 2003

(C) 2004 (D) 2006

(A) 2001 (B) 2005

- (C) 2006 (D) 2004
 - , _...

PART	- IV-ST THE
GENERAL AWARENESS	
 151. Minimum temperature required for trees to grow in an area is (A) 10°C (B) 15°C (C) 4°C (D) 6°C ✓ 152. Which one of the following is the largest lagoon in India ? (A) Vembanad lagoon (B) Chilka lagoon (C) Pulicat lagoon 	 161. A liquid drop tends to assume a spherical shape because of (A) surface tension (B) viscous force (C) gravitational force (D) elastic force 62 A wheel rolls on ground with uniform translatory speed. The point on the wheel having maximum linear velocity is (A) the point of contact of the wheel with
 (D) Kolleru 153. Which one of the peaks did Phu Dorjee, the First Indian woman climb without oxyzen ? (A) Mt. Makalu (B) Mt. Kanchenjunga (C) Mt. Anna Purna 	 the ground (B) the top most point of the wheel (C) the front end point of the horizontal diameter (D) the back end point of the horizontal diameter
 (D) Mt. Everest 154. Which of the following places is associated with copper mining ? (A) Kolar (B) Khetri (C) Gaya (D) Mayurbhanj 	163. The temperature of water at the bottom of a waterfall is higher than that at the top because(A) water at the bottom has greater
 155. The Kurinji-flower blooms once in 12 years because of (A) Light period (B) Dark period (C) Florigen secretion (D) All the above 	 potential energy (B) the surface at the bottom provides heat (C) kinetic energy of falling water is
156. The fastest growing plant in the world is(A) Bamboo (B) Rice(C) Money plant. (D) Teak	(D) falling water absorbs heat from the surroundings
 157. Which one of the following is an egg laying mammal ? (A) Kangaroo (B) Monotreme (C) Bat (D) Whale 158. From which animal is 'Rh' factor derived its name ? (A) Monkey (B) Dragon fly 	 164. A laser beam is always (A) a convergent beam (B) a divergent beam (C) a parallel beam (D) divergent to start with and parallel later on
(C) Drosophila (D) Gorilla159. Normal haemoglobin content per 100 ml of blood of an adult man is	165. Which company developed the first graphical user interface ? (A) Microsoft (B) AT & T
 (A) 11.5 gm (B) 12.5 gm (C) 13.5 gm (D) 14.5 gm 160. Fibrous bone joint is found in the (A) Leg (B) Jaw (C) Skull (D) Brain 	 (C) IBM (D) Xerox 166. An identification field for a record is (A) Main field (B) Flex field (C) Key field (D) Cell

177. Who of the following won the Wimbledon On Dec. 3, 1984, due to leakage of a poisonous gas from the Union Carbide Men's Doubles title ? (A) Horia Tecau and Robert Lindstedt factory in Bhopal, thousands of people died. The poisonous gas responsible for this (B) Bob Bryan and Mike Bryan (C) Rafael Nadal and Bob Bryan was Novak (A) methyl cyanide (D)_Mahesh Bhupathi and (B) hydrogen cyanide Djokovic (C) methyl isocarbide 178. The Vice-President Hamid Ansari pre-(D) methyl isocyanate sented the prestigious Sangeet Natak 168. One component of an amalgam is always Akademi fellowships and awards for the year 2010 on July 22, 2011. Of the follow-(B) copper (A) iron ing, the highest honour of Akademi Ratna (C) zinc (D) mercury Sadasyata was conferred on 169 A petrol fire will be best put off by (A) Chhanu Lal Mishra (A) Baking powder (B) Carbon dioxide (B) Malabika Mitra (D) Water (C) Sand (C) Atamjit Singh (170. Stainless steel usually contains about 14% (D) T. K. Murthy or more of As per Budget 2011-12, the tax contri-179. (A) Nickel (B) Carbon buting least in rupee collection is (D) Chromium (C) Manganese (A) Customs (B) Union Excise Genes, the hereditary units are located in (D) Corporate Tax (C) Income Tax the 180. The minimum support price per quintal (A) nuclear membrane of paddy (A-grade) for the year 2011-12 (B) chromosomes declared by the Government is (C) lysosomes (B) ₹ 1080 (A) ₹ 1050 (D) cell membrane (D) ₹ 1150 (C))₹ 1110 172. Ground water in the Bengal basin is mostly What is the number (up to the end of 181 contaminated by May, 2011) of 'Maharatna' and 'Navratna' (A) chromium (B) lead public undertakings in India? (C) cadmium (D) arsenic (B) 4 and 17 (A) 4 and 15 173. The permissible upper limit of Arsenic in (D) 5 and 17 (C)= 5 and 16 water is The literacy rate during census 2001-11 has (A) 0.005 gm/litre (B) 0.005 mg/litre been recorded at C) 0.05 mg/litre (D) 0.05 gm/litre (A) 66% (B) 74.04% Where was the painful bone disease (D) 78·24% (C) 77·13% 'itai-itai' reported first What name was given to the joint Army-(B) India (A) Japan IAF Exercise which was conducted in (D) China (C) USA Rajasthan in May, 2011-9 5. Who discovered the X-rays? B) Vijayee Bhava (A) Neel Gagan (A) Ross Ronald (B) H. C. Urey (D) Dust-storm (C) Vijay (C) W. K. Roentgen (D) G. Marconi Which one of the following is a funda-Who was the Hindu king shown playing on mental right under the Constitution? the Veena, on ancient coins? A) Right to education (A) Vikramaditya (B) Right to work (B) Samudragupta (C) Right to property (C) Harshavardhana (D) Right to information (D) Chandragupta Maurya

195 D. L. Ot J. D. Land in Strand in	194 A set of Fundamental Duties invariably
185. Bombay Stock Exchange is situated in	form the part of a
(A) Wall Street	(A) Unitary Constitution
(B) Dalal Street	(B) Democratic Constitution
(C) Needle Thread Street	(C) Socialist Constitution
(D) Gandhi Street	
186. State ownership of means of production is	Dr Federal Constitution
a characteristic feature of	195. Who presided over the third session of the
((A) Socialist economy	Indian National Congress at Madras ?
(B) Capitalist economy	(A) W. C. Banerjee
(C) Mixed economy	(B) Mahatma Gandhi
(D) Welfare economy	((C) Badruddin Tyabji
1877 The main objective of a firm is to maximise	(D) A. O. Hume
(A) Investment	196. Abhinava Bharat was set up by V. D.
(B) Production	Savarkar in 1904 as a
(C) Profit	(A) Workers forum
(D) Employment	(B) Revolutionary association
(188) Which one of the following is an example	(C) Secret society
for variable capital ?	(D) Reader's forum
(A) Machinery (B) Raw Materials	197. Gandhiji participated in
(C) Building (D) Land	(A) All the three Round Table Con-
The state of the second state of the second	ferences
189. The first Indian Economist who won the Nobel Prize was	(B) Second Round Table Conference only
	(C) Second and Third Round Table
(A) Rajachellaiah (B) Rangarajan (C) Amartya Sen (D) K N Raj	Conferences
(D) Amartya Sen (D) K N Raj	(D) None of the three Round Table
190. In which year was the first non-congress	Conferences
government formed at the centre ?	198. Harsha Vardhana died in the year
(A))1977 (B) 1978	(A) 647 AD (B) 648 AD
(C) 1979 (D) 1980	(C) 640 AD (D) 635 AD
191. The Federal System was first proposed by	the second of the second second second second second
the Government of India Act	199. Who among the following was the religious
(A) 1909 (B) 1919	guru of Shivaji ?
(C) 1935 (D) None of the above	(A) Jnanadeva (B) Tukaram (1(C)) Ramdas (D) Eknatha
	(C) Ramdas (D) Eknatha
192. How many members are nominated by the President of India to the Rajya Sabha ?	Which one of the following steel plant was
(A) 14 Members (B) 12 Members	started in 1965 in India with West German
	Collaboration ?
(C) 02 Members (D) 08 Members	(A) Jamshedpur-Tata Steel Plant
19. The right to have a family life is a	(B) Bokaro Steel Plant ,
(A) Moral right (B) Political right	(C) Durgapur Steel Plant
(C) Civil right (D) Natural right	(D) Rourkela Steel Plant