

# HAVE CONTROL → HAVE PATIENCE → HAVE CONFIDENCE ⇒ 100% SUCCESS

#### **MENTAL ABILITY**

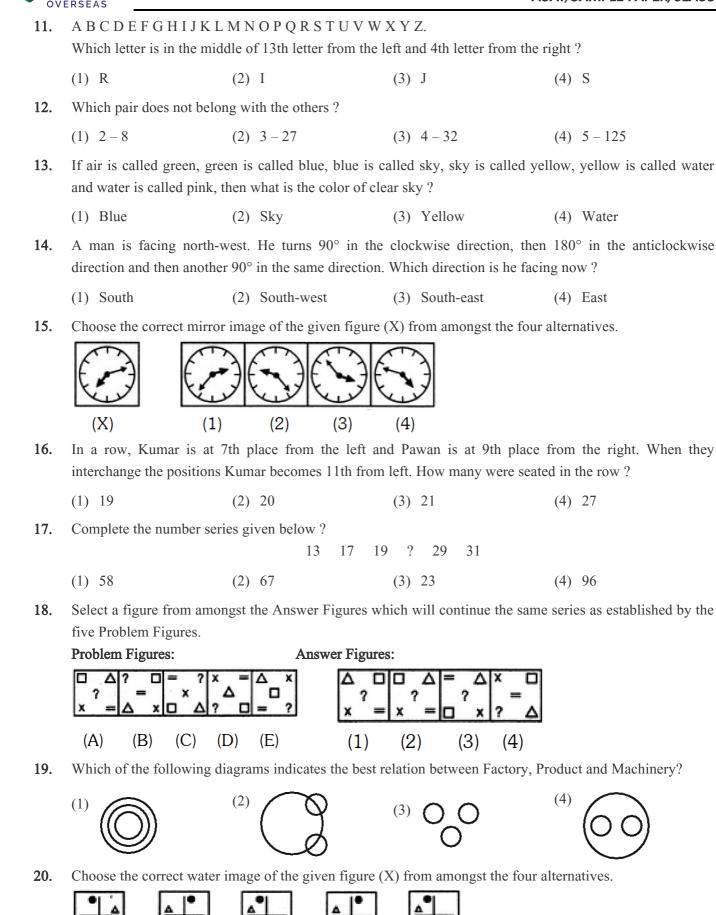
This section contains **20 Multiple Choice Questions**. Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

1.	e	alphabetical order and tick te 3. Accumulate 4. Acc		
	(1) Actuate	(2) Accumulate	(3) Acquit	(4) Achieve
2.	Choose the word which	is different from the rest.		
	(1) Gangtok	(2) Singhbhum	(3) Hyderabad	(4) Chennai
3.	If FRIEND is coded as I	HUMJTK, how is CANDL	E written in that code ?	
	(1) EDRIRL	(2) DCQHQK	(3) ESJFME	(4) DEQJQM
4.	If South-East becomes N	North, North-East becomes	West and so on. What will	l West become?
	(1) North-East	(2) North-West	(3) South-East	(4) South-West
5.	Choose the alternative w	which is closely resembles	the mirror image of the giv	en combination.
		TARA	IN1014A	
	<b>LARAIN1014A</b> (1)	<b>TARAIN4101A</b> (2)	<b>NIARAT4101A</b> (E)	<b>TARAIN1014A</b> (4)
6.	How many 4's are there 5 9 3 2 1 7 4 2 6 9 8 7 4 1 3 8 3 2 5 6 2 0 1 8 7 4 6 3		owed by 3?	
	(1) Four	(2) Three	(3) Six	(4) Five
7.	Look at this series: 7, 10	), 8, 11, 9, 12, What num	nber should come next?	
	(1) 7	(2) 10	(3) 12	(4) 13
8.	What letters will fill the	blank?		
		Ζ, Χ, Ν	ν, Τ, R, <u></u> , <u></u>	
	(1) M, N	(2) P, N	(3) O, K	(4) K, S
9.	Which of the following	diagrams indicates the bes	t relation between Women,	Mothers and Engineers ?
10.	(1) Choose the alternative u	(2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	$(3)$ $\bigcirc$	(4)
10.		inen is closely resembles	the water-infage of the give	

**10.** Choose the alternative which is closely resembles the water-image of the given combination.

NUCLEAR

(1) RAELCON (3) NUCJEAR (3) NOCLEAR (4) NUCLEAR



(4)

(3)

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(X)

(1)

(2)

IFN



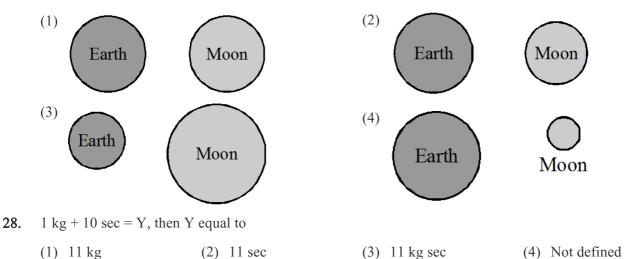
#### PHYSICS

	ction contains <b>20 Multiple</b> ONE is correct.	Choice Questions. Each que	estion has four choices (1),	(2), (3) and (4) out of which					
21.	There is no atmosphere of	n moon.							
	(1) True		(2) False						
	(3) Cannot say (4) There is little air on moon								
22.	Convert 60 second into m	inute :							
	(1) 10 minute	(4) 2 minute							
23.	A news flashed on T.V. th	nat 70 people died in Ladak	dakh in an event. The event here can be						
	(1) Tsunami	(2) Cyclone	(3) Avalanche	(4) Winds					
24.	Which planet is the small	est in the following?							
	(1) Neptune	(2) Jupiter	(3) Mercury	(4) Uranus					
25.	0.1 km = m								
	(1) 10	(2) 100	(3) 1000	(4) 10000					
		11 1 1							

**26.** A long, high sea wave caused by an earthquake or other disturbance is called:-

(1) Tsunami (2) Earthquake (3) Drought (4) Wildfires

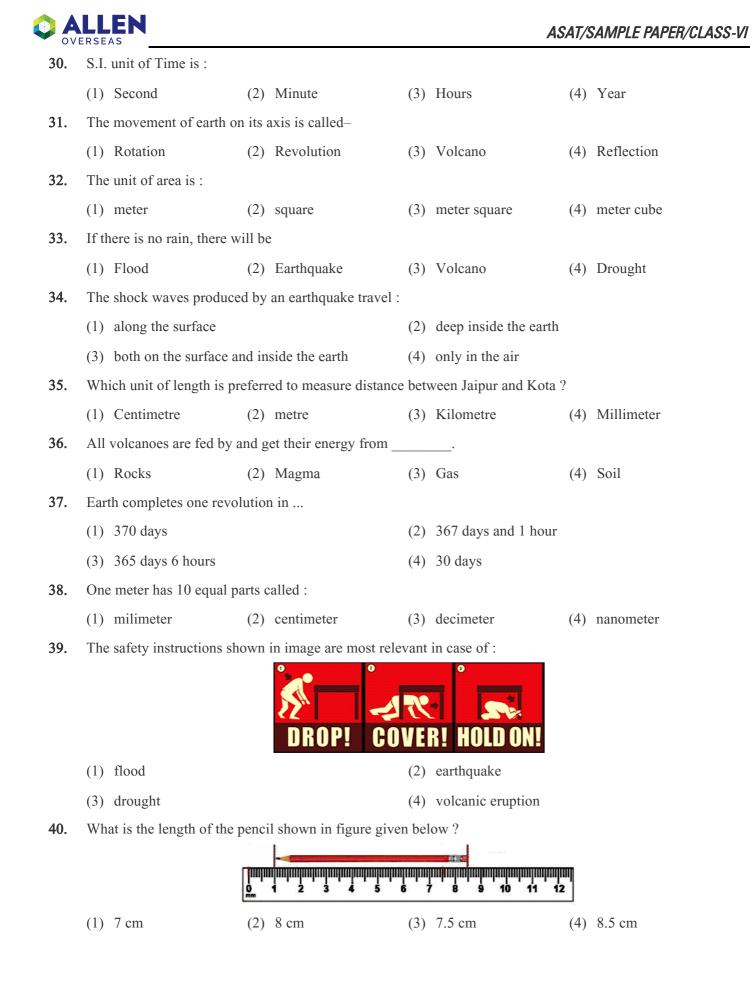
**27.** The diameter of Earth is 12,756 km. The diameter of the Moon is 3,476 km. Which pair of circles best represents the relative sizes of the Earth and the Moon?



**29.** Lightning and thunder are caused due to :

- (1) Electrical charge in the Earth
- (2) Electrical charge in the clouds
- (3) Leakage of electric charge by transmission lines

(4) Reflection of light





## CHEMISTRY

	ction contains <b>20 M</b> ONE is correct.	ultiple Choice Questions. Eac	h question has four cho	tices (1), (2), (3) and (4) out of which						
41.	When partially decomposed plant material is buried beneath sediment under heat and pressure, it turns in :									
	(1) Coal	(2) Natural gas	(3) Oil	(4) Metamorphs						
42.	The process of cha	nging a liquid into gaseous st	ate is called :							
	(1) Melting	(2) Sublimation	(3) Boiling	(4) Condensation						
43.	What do all rocks l	have in common ?								
	(1) same colour		(2) same shape							
	(3) they all contai	n some kind of minerals	(4) same size							
44.	is a colourless	s and odourless gas which is u	used in making light but	lbs.						
	(1) Air	(2) Oxygen	(3) Argon	(4) Hydrogen						
45.	Which of the follo	wing is not a way to conserve	natural resources ?							
	(1) Growing a lar	ge number of plants	(2) Using coal as	nd oil very carefully						
	(3) Afforestation		(4) Deforestation	n						
46.	A: Liquid can't ha	tatue of water, why ? ve its own shape. nge shape of water like iron.								
	(1) Only A		(2) Only B							
	(3) Both A and B		(4) Neither A no	or B.						
47.	Metallic minerals a	are obtained from their	·							
	(1) Ores	(2) Sediments	(3) Fossils	(4) Fuels						
48.	The increases in th	e number of factories and veh	nicles has resulted in the	e increase of :						
	(1) Oxygen		(2) Methane							
	(3) Carbon dioxid	le	(4) Water vapou	r						
49.	Biological resource	es are :								
	(1) Plants and ani	mals	(2) Land, air and	l water						
	(3) Sunlight, air a	nd water	(4) Minerals and	lenergy						
50.	Water vapour is an	example of								
	(1) Solid	(2) Liquid	(3) Gas	(4) Semi-solid						
51.	Which is hardest n	aturally occuring substance for	ound on earth ?							
	(1) Diamond	(2) Graphite	(3) Coal	(4) Petroleum						

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				A	SAT/SAMPLE PAPER/CLASS-VI
52.	I am a state of matter : m	y molecules are jumping al	l ove	r the place-I must be a	l—
	(1) Solid	(2) Liquid	(3)	Gas	(4) Frog
53.	Rocks formed from rema	ins of once living plants an	id ani	mals are called-	
	(1) Clastic sedimentary	rock	(2)	Chemical sedimenta	ry rock
	(3) Organic sedimentary	rock	(4)	Inorganic sedimenta	ry rock
54.	Which of the following g	ases is not a greenhouse ga	ıs ?		
	(1) Carbon dioxide		(2)	Oxygen	
	(3) Methane		(4)	CFC	
55.	The temperature at which	liquid starts boiling is call	led:		
	(1) Melting point	(2) Freezing point	(3)	Boiling point	(4) Fusion point
56.	When layers are piled tog	gether and pressure is applied	ed w	hat type of new rock is	s formed ?
	(1) Metamorphic rock		(2)	Sedimentary rock	
	(3) Minerals		(4)	Igneous rock	
57.	is used in refrigerat	tors, air conditioners and in	n mar	y other industrial proc	cesses.
	(1) Carbon dioxide		(2)	Carbon monoxide	
	(3) Chlorofluorocarbon		(4)	Methane	
58.	Which of the following is				
	(1) Evaporation	(2) Freezing	(3)	Melting	(4) Condensation
59.	The percentage of oxygen	-			
	(1) 12%	(2) 21%		78%	(4) 85%
60.		olid directly changes into g			
	(1) Condensation	(2) Sublimation	(3)	Melting	(4) Evaporation

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#### BIOLOGY

This section contains **20 Multiple Choice Questions**. Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

61.	Which part of the tongue	tastes bitter ?					
	(1) Front	(2) Back	(3)	Middle	(4)	Lateral side	
62.	When a seed germinates i	it makes a-					
	(1) Fruit	(2) Flower	(3)	Seedling	(4)	Leaf	
63.	Which of the following w	vill get maximum energy-					
	(1) Primary consumers		(2)	Secondary consumer	S		
	(3) Tertiary consumers		(4)	Top consumers			
64.	I am the green part of the	plant which make food for	plan	t, Who I am ?			
	(1) Root	(2) Flower	(3)	Seed	(4)	Leaves	
65.	Which solution is given v	vhen a person has vomiting	and	loose motions ?			
	(1) ORS	(2) Fruit juice	(3)	Milk	(4)	Banana	
66.	Which of the following th	nings are not required for ge	ermir	nation of seed ?			
	(1) Water		(2)	Optimum temperatur	e		
	(3) Oxygen		(4)	CO <sub>2</sub>			
67.	We get paper from which	of the following plant-					
	(1) Coconut	(2) Bamboo	(3)	Rubber	(4)	Pepper	
68.	Which of the following is	s a herb?					
	(1) Mango	(2) Ficus	(3)	Neem	(4)	Mint	
69.	What are the tiny bumps	present on the tongue called	1?				
	(1) Taste buds	(2) Smell buds	(3)	Flower buds	(4)	Axillary buds	
70.	Decomposers of ecosyste	m are-					
	(1) Algae, bacteria		(2)	Bacteria and fungi			
	(3) Algae, fungi		(4)	Algae, bacteria and f	ungi		
71.	Which of the following is	s true ?					
	(1) Baby plants grow from	om stem	(2)	Plants do not grow in	very	hot places	
	(3) Seeds are present in a	stem	(4)	Money plant is a clin	nber		
72.	What is the muscular bag	of digestive system called	?				
	(1) Mouth	(2) Intestine	(3)	Stomach	(4)	Pancreas	
73.	The process of scattering	of seeds away from the mo	ther	plant is called-			
	(1) Pollination	(2) Germination	(3)	Reproduction	(4)	Dispersal	
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74.	A grassland food chain begins when-										
	(1) An animal eats anoth	ner animal	(2) An animal eats a green plant								
	(3) A plant eats an insec	t	(4) An animal eats the remains of a dead tree								
75.	Transfer of pollen grains	from anthers to stigma of t	the flower is called-								
	(1) Photosynthesis	(2) Fertilization	(3) Pollination (4) Germination								
76.	Which of the following w	vill have least vegetation									
	(1) Tropical forest		(2) Temperate forest								
	(3) Ocean		(4) Desert								
77.	Digestion of carbohydrate	es begin from-									
	(1) Liver	(2) Intestine	(3) Mouth (4) Pancreas								
78.	All are dicot seeds except	t :									
	(1) Mango	(2) Rice	(3) Castor (4) Pea								
79.	Flow of energy in an ecos	system is always-									
	(1) Unidirectional		(2) Bidirectional								
	(3) Random		(4) Multidirectional								
80.	Sexual part of plant is-										
	(1) Stem	(2) Leaves	(3) Roots (4) Flowers								

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## MATHEMATICS

	ONE is correct.	ultiple Choice Questions. E			(1), (2),				
81.	If the area of a squ	hare is $225 \text{ m}^2$ , then its period	meter is						
	(1) 15 m	(2) 60 m	(3)	225 m	(4)	30 m			
82.	Fill in the blank be	elow : $602 = 60200$							
	(1) 602	(2) 100	(3)	1000	(4)	6020			
83.	Sum of first 4 mul	tiples of 10 is							
	(1) 60	(2) 40	(3)	80	(4)	100			
84.	What is the only e	ven prime number ?							
	(1) 3	(2) 4	(3)	2	(4)	0			
85.	Chhota Bheem wa to buy all the 10 m	ints to buy 10 mangoes and nangoes.	l 1 mango co	sts Rs. 12. Then h	now many	y rupees he would need			
	(1) Rs. 120	(2) Rs. 12	(3)	Rs. 10	(4)	Rs. 1200			
86.	An angle that is ex	actly 90° is called							
	(1) Complementa	rry Angle	(2)	Right angle					
	(3) Acute angle		(4) Obtuse angle						
87.	A curve which end	ds at the starting point is ca	lled a	·					
	(1) Opposite figur	re	(2)	Open figure					
	(3) Closed figure		(4)	Line					
88.	If the side of a squ	are is 4 cm, then its area is							
	(1) $4 \text{ cm}^2$	(2) $8 \text{ cm}^2$	(3)	$16 \text{ cm}^2$	(4)	$12 \text{ cm}^2$			
89.	Manish multiplied correct answer?	1 100 by 89 instead of mu	lltiplying by	79. How much w	was his a	nswer greater than the			
	(1) 100	(2) 1000	(3)	10000	(4)	10			
90.	Total number of fa	actors of 12 are :							
	(1) 6	(2) 7	(3)	5	(4)	3			
91.	Write the number	23,98,257 in words.							
	(1) Twenty three	thousand ninty eight hundr	ed fifty seve	n					
	(2) Twenty three	lakhs ninty eight thousand	two hundred	l fifty seven					
	(3) Twenty three	lakhs ninty eight thousand	fifty seven						
	(4) Twenty three	thousand two hundred fifty	v seven						

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001	ERSEAS			
92.	The length of a rectangle	is 8 cm and its area is 48 c	m <sup>2</sup> . The perimeter of the re	ctangle is
	(1) 14 cm	(2) 24 cm	(3) 12 cm	(4) 28 cm
93.	352273 × 0 × 1 =			
	(1) 0	(2) 1	(3) 352273	(4) -1
94.	What is the sum of factor	s of 6 ?		
	(1) 12	(2) 13	(3) 15	(4) 5
95.	The greatest prime numb	er less than 50 is		
	(1) 50	(2) 43	(3) 47	(4) 49
96.	If cost of a scooter is Rs.	24024, then find the cost o	f such 5 scooters.	
	(1) Rs. 12012	(2) Rs. 120120	(3) Rs. 240240	(4) Rs. 121120
<b>9</b> 7.	The perimeter of a triangle	le whose sides are 1.2 cm,	3.4 cm and 1.7 cm, is	
	(1) 6.3 cm	(2) 6.2 cm	(3) 6.5 cm	(4) 6.4 cm
98.	1 kg of sugar costs Rs. 25	5. How many kgs of sugar o	can you buy if you have Rs	. 225 ?
	(1) 9	(2) 7	(3) 6	(4) 8
99.	LCM of 20 and 50 is			
	(1) 2500	(2) 250	(3) 100	(4) 1000
100.	What is the Roman Nume	eral for 33?		
	(1) XXXIII	(2) XXVII	(3) XXXVI	(4) XXXIVI
101.	3-pieces of pastries costs	Rs. 345. What is the cost of	f one dozen pastries ?	
	(1) Rs. 1320	(2) Rs. 1480	(3) Rs. 1420	(4) Rs. 1380
102.	In the Pythagoras theorem	n, the triangle must be	?	
	(1) Acute angle	(2) Right angle	(3) Obtuse angle	(4) Isosceles
103.	A quadrilateral has	vertices and	_sides.	
	(1) 3, 3	(2) 4, 4	(3) 4, 3	(4) 3, 4
104.	Find the perimeter of a tr	iangular park of sides 30 m	, 50 m and 55 m.	
	(1) 130 m	(2) 110 m	(3) 135 m	(4) 145 m
105.	The product of two numb	ers is 601380. If one numb	er is 257, then what is the	other number?
	(1) 234	(2) 254	(3) 2340	(4) 2540
106.	First four multiples of 7 a	ire:		
	(1) 7, 9, 11, 13	(2) 35, 42, 49, 56	(3) 1, 2, 3, 5	(4) 7, 14, 21, 28
107.	37 and 73 are num	bers.		
	(1) Prime triplet	(2) Twin primes	(3) Co primes	(4) Composite

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<b>ALLEN</b>	
OVERSEAS	

108.	Manjot bought 450 gms obought?	of Amul Butter and 250 gr	ns of	mother dairy butter.	How	much butter in kg she					
	(1) 0.5 kg	(2) 0.05 kg	(3)	7 kg	(4)	0.7 kg					
109.	A rectangle has length of	$30 \text{ m}$ and area $150 \text{ m}^2$ . When	at is	the width of the rectan	gle?						
	(1) 5 m	(2) 45 m	(3)	50 m	(4)	120 m					
110.	Neena had 13.34 m of rib of ribbon were left?	bon. She cut four smaller p	vieces	s each of length 0.32 n	n froi	n it. How many meters					
	(1) 12.06 m	(2) 12 m	(3)	1.2 m	(4)	12.6 m					
111.	How many even factors d	loes '12' has.									
	(1) 4	(2) 6	(3)	2	(4)	5					
112.	Seven thousand nine hund	dred is the same as									
	(1) 7900	(2) 7090	(3)	7009	(4)	9700					
113.	Tank A contains 6 times as much water as Tank B. How much water must Mohan transfer from Tank A to Tank B so that each tank contains 70 litres of water?										
	(1) 50 litres	(2) 60 litres	(3)	75 litres	(4)	120 litres					
114.	<b>14.</b> If area of rectangle is $147 \text{ cm}^2$ and its breadth is 7 cm. Find its length.										
	(1) 71 cm	(2) 27 cm	(3)	21 cm	(4)	42 cm					
115.	642 × 50 =										
	(1) 31200	(2) 32100	(3)	12300	(4)	33100					
116.	\$ is twice the difference b	between the $10^{\text{th}}$ and the $6^{\text{th}}$	mult	iple of 7. Find \$?							
	(1) 38	(2) 56	(3)	60	(4)	28					
117.	Write fifty-five million si	xty-four thousand forty nin	e in t	figure.							
	(1) 55,640,049	(2) 55,640,409	(3)	55,064,049	(4)	55,064,409					
118.	Convert: 2 metres to cent	imetres ?									
	(1) 200 centimetres		(2)	0.02 centimetres							
	(3) 0.002 centimetres		(4)	20 centimetres							
119.	A is bounded b	by three line segments.									
	(1) rectangle	(2) circle	(3)	sqaure	(4)	triangle					
120.	A is useful tool to	measure an angle.									
	(1) Protractor	(2) Scale	(3)	Compass	(4)	Ruler					

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# **ASAT CLASS-VI**

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Q.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Α.	1	2	1	3	4	1	2	2	1	4	1	3	2	3	4	1	3	2	4	3
Q.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Α.	1	3	3	3	2	1	4	4	2	1	1	3	4	3	3	2	3	3	2	3
Q.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Α.	1	3	3	3	4	1	1	3	1	3	1	3	3	2	3	2	3	4	2	2
Q.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Α.	2	3	1	4	1	4	2	4	1	2	4	3	4	2	3	4	3	2	1	4
Q.	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Α.	2	2	4	3	1	2	3	3	2	1	2	4	1	1	3	2	1	1	3	1
Q.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Α.	4	2	2	3	3	4	3	4	1	1	1	1	1	3	2	2	3	1	4	1

## **SAMPLE PAPER ANSWER KEY**