Question Booklet Series:	FOR ADMISSION THROUGH AIMS TEST FOR MANAGEMENT ADMISSIONS (ATMA)	Question Booklet Number:
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Roll Number:		Exam Date:- 12/02/2017 2 p.m. to 5 p.m.
PID NUMBER :		

Please read the following instructions carefully:

- 1) In the OMR Answer booklet clearly write your name in the Candidate name field as per ADMIT CARD. Clearly write and circle your Roll Number, Seat Number as per ADMIT CARD.
- Clearly write and circle your Question Booklet Number, Question Booklet Series as mentioned in the QUESTION BOOKLET.
- 2) Strictly follow the instructions given by the Centre Supervisor / Room invigilator and those given on the Question Booklet.
- 3) Please mark the right responses with a pencil.
- 4) Candidates are not allowed to carry any papers, notes, books, calculators, cellular phones, scanning devices, pagers etc. to the Examination Hall. Any candidate found using, or in possession of such unauthorized material, indulging in copying or impersonation or adopting unfair means, is liable to be summarily disqualified and may be subjected to penal action.
- 5) After finishing the examination, hand over the complete question booklet, OMR Answer Sheet and admit card to the invigilator. DO NOT carry the question booklet or any part of it, outside the examination room. Doing so, is a punishable offence.
- 6) The test is of objective type with each question carrying 1 mark for correct response. Each question has only one correct response. There is negative marking of 0.25 for every wrong answer.

7) This Question Booklet contains a total of 180 questions and the total time allotted is 3 hours. The written test consists of questions on Verbal ability, Quantitative ability and Analytical ability.

Verbal Skill (Part A) - 1 to 30 Verbal Skill (Part B) - 31 to 60 Quantitative Skill (Part A) - 61 to 90 Quantitative Skill (Part B) - 91 to 120 Analytical-Skill (Part A) - 121 to 150 Analytical-Skill (Part B) - 151 to 180

- 8) Each objective question is followed by four responses. Your task is to choose the correct response and mark your response on the OMR Answer Sheet and NOT on the Question Booklet.
- 9) For marking response to a question, completely darken the CIRCLE so that the alphabet inside the CIRCLE is not visible. Darken ONLY ONE CIRCLE for each answer as shown in the example below. The CORRECT and the WRONG method of darkening the CIRCLE on the OMR sheet are given below.

Correct Method

Wrong Method

- 10) In view of the tight time span, do not waste your time on a question, which you find to be difficult. Attempt easier questions first and come back to the difficult questions later during the test.
- 11) DO NOT make any stray marks anywhere on the OMR answer sheet. DO NOT fold or wrinkle the OMR answer sheet and the Subjective Response Sheets.
- 12) Rough work MUST NOT be done on the OMR answer sheet. Use your test booklet for this purpose.

VERBAL SKILL PART-A (1 to 30)

Question 1 to 5 Directions: By understanding the relationship between the first and the second word find the most related word for the third word

Carpenter : Furniture : : Sculptor : ?

•	-						
(A) Scooter	(B) Pot	(C) Building	(D) Statue				
2. Monkey : Cl	natter :: Elephant :	?					
(A) Neigh	(B) Squeak	(C) Roar	(D) Trumpet				
3. Ornithology	: Birds : : Entomo	ology:?					
	(B) Worms		(D) Reptiles				
	ather : : Sororicide		(D) Sister				
5. Shooting : B	fullet : : Archery :	?					
(A) Bow	(B) Spear	(C) Arrow	(D) Rocket				
Question 6 to 10	Directions: Fill i	n the blank with	most appropriate				
word							
61	means the ridiculo	us and miserable	failure.				
(A) Chimera	(B) Anomaly	(C) Blunder	(D) Fiasco				
7. Sharpness and bitterness of the speech or temper is known as							
(A) Apathy (B) Alacrity (C) Assiduity (D) Acrimony							
8. He looks	at everything from	a personal point	of view				
(A) Egoist	(B) Egotist	(C) Egomaniac ((D) Egocentric				

- 9. Docile person is _____ (A) Hated (B) Lovable (C) Easily managed (D) Sick
- Which philosophy is expressed by a sentence, "God is nonexistent!"
 - (A) Theism (B) Atheism (C) Agnosticism (D) Reverence

Question 11 to 16 Directions: Comprehension

Marie was born in 1867 in Warsaw, Poland, where her father was Professor of Physics. At an early age, she displayed a brilliant min and a blithe personality. Her great exuberance for learning prompte her to continue with her studies after high school. She became disgruntled, however, when she learned that the university in Warsa was closed to women. Determined to receive a higher education, sl defiantly left Poland and in 1891 entered the Sorbonne, a French university, where she earned her master's degree and doctorate physics.

Marie was fortunate to have studied at the Sorbonne with some of the greatest scientists of her day, one of whom was Pierre Curie. Mar and Pierre were married in 1895 and spent many productive yea working together in the physics laboratory. A short time after the discovered radium, Pierre was killed by a horse-drawn wagon 1906. Marie was stunned by this horrible misfortune and endure heartbreaking anguish. Despondently she recalled their close relationship and the joy that they had shared in scientific researc The fact that she had two young daughters to raise by herself great increased her distress.

Curie's feeling of desolation finally began to fade when she was asked to succeed her husband as a physics professor at the Sorbonn She was the first woman to be given a professorship at the world-famous university. In 1911 she received the Nobel Prize chemistry for isolating radium. Although Marie Curie eventual suffered a fatal illness from her long exposure to radium, she never became disillusioned about her work. Regardless of the consequences, she had dedicated herself to science and to revealir the mysteries of the physical world.

11. Marieby leaving Poland and travelling to France to enter the Sorbonne.	19. "It is not very cold. I don't think we need these woollen sweaters.""I don't think so,"
(A) Challenged authority (B) Showed intelligence(C) Behaved (D) Was distressed	(A) Anyway (B) neither (C) either (D) too
12. Even though she became fatally ill from working with radium, Marie Curie was never	20. If you don't understand the text, don't hesitate
ividite Cuite was never	(A) ask a question (B) asking a question
(A) Troubled (B) Worried (C) Disappointed (D) Sorrowful	(C) to ask a question (D) to asking a question
13. Marie had a bright mind and apersonality.	21. "Excuse me. Do you know where the railway station
(A) Strong (B) lighthearted (C) Humorous (D) Strange	is?" "It isthe bus terminal."
(A) Strong (B) righthearted (C) Humorous (D) Strange	(A) opposite of (B) opposed to (C) opposite with (D) opposite
14. Herbegan to fade when she returned to the Sorbonne to succeed her husband.	* * * * * * * * * * * * * * * * * * * *
	Question 22 to 26 Directions: Pick up the most appropriate
(A) Misfortune (B) Anger (C) Wretchedness (D) Disappointment	Antonym for the given word
15. When she learned that she could not attend the university in Warsaw, she felt	22. Enormous
(A) Hopeless (B) Annoyed (C) Depressed (D) Worried	(A) tiny (B) soft (C) average (D) weak
16she remembered their joy together.	23. Exodus
(A) Dejectedly (B) Worried (C) Tearfully (D) Happily	(A) Influx (B) return (C) arrival (D) restoration
Question 17 to 21 Directions: Fill in the blanks by choosing most appropriate option	24. Quiescent
17. The social workerthe two old sisters who were ill.	(A) active (B) dormant (C) weak (D) unconcerned
(A) called to the house of (B) called on the house of (C) called to (D) called on	25. Commissioned
18. Abhishek was thrilled to besuch a beautiful and interesting lady.	(A) started (B) revoked (C) finished (D) terminated
	26. Relinquish
(A) introduced (B) introduced at	(A) Possess (B) abdicate (C) renounce (D) deny
(C) introduced with (D) introduced to	(a) uong

to

Question 27 to 30 Directions: Pick up the word with the closest meaning.

27.	Proxy			
(A)	authorized	agent	(B) abso	ent
(C)	Substituted		(D) Emu	ılated
28.	Mundane	2		
(A)	worldly	(B) global	(C) futile	(D) spatial
29.	Inured			
(A)	hardened	(B) softened	(C) adulterated	(D) flattened
30.	Patronize	2		
(A)	oppose	(B) support	(C) bless	(D) organize
		PART-	AL SKILL B (31 to 60) hoose the most ap	ppropriate
31.	We must	finish this job _	next Monda	y.
(A)	till	(B) until	(C) with	(D) by

I often take walks _____the morning.

The college library is open ____nine until four.

(C) by

(C) for

(D) in

(D) at

(B) at

(B) from

32.

33.

(A) on

(A) between

Question 34 to 36 Directions: Fill in the blank by choosing appropriate option

<i>3</i> 4.	4. We cannot believe him because he never								
	the grandios	se promises he l	nad made.						
(A)	Succeeded	to	(B) tired of						
(C)	delivered o	on	(D) accomplish	ned for					
35.			er article is so an be deceived by						
	(A) specious	(B) coherent	(C) cogent	(D) astute					
36.	Since Rad	ha believed Kri	ishna to be both c	andid and					
		•	consider the pos	ssibility that					
	his statem	ent is	_						
(A)	mistaken	(B) critical	(C) irrelevant	(D) insincere					

Question 37 to 43 Directions: Comprehension

On their visit to school specifically, fire fighters tell the students their things: A smoke detector should be placed on each floor of a home. While sleeping, people are in particular danger of an emergent fir and there must be a detector outside each sleeping area. A good si for a detector would be a hallway that runs between living spaces are bedrooms.

Because of the dead-air space that might be missed by turbulent he air bouncing around above a fire, smoke detectors should be installed either on the ceiling at least four inches from the nearest wall, or high on a wall at least four, but no further than twelve, inches from the ceiling.

Detectors should not be mounted near windows, exterior doors, of other places where drafts might direct the smoke away from the unit Nor should they be placed in kitchens and garages, where cookin and gas fumes are likely to cause false alarms.

- 37. A smoke detector must always be placed
 - (A) outside at least one of the bedrooms on any level of the home.
 - (B) outside all bedrooms in a home.
 - (C) in all hallways of a home.
 - (D) in kitchens where fires are most likely to start.

- 38. What is the main focus of this passage?
 - (A) how fire fighters carry out their responsibilities
 - (B) the proper installation of home smoke detectors
 - (C) the detection of dead-air space on walls and ceilings
 - (D) how smoke detectors prevent fires in homes
- 39. The passage implies that dead-air space is most likely to be found
 - (A) on a ceiling, between four and twelve inches from a wall.
 - (B) close to where a wall meets a ceiling.
 - (C) near an open window.
 - (D) in kitchens and garages.
- 40. A smoke detector should NOT be installed near a window because
 - (A) outside fumes may trigger a false alarm.
 - (B) a draft may create dead-air space.
 - (C) a draft may pull smoke away from the detector.
 - (D) outside noises may muffle the sound of the detector.
- 41. Which organizational scheme does this list of instructions follow?
 - (A) hierarchical order
 - (B) comparison-contrast
 - (C) cause-and-effect
 - (D) chronological order by topic
- 42. The passage states that, compared with people who do not have smoke detectors, persons who live in homes with smoke detectors have a
 - (A) 50% better chance of surviving a fire.
 - (B) 50% better chance of preventing a fire.
 - (C) 75% better chance of detecting a hidden fire.
 - (D) 100% better chance of not being injured in a fire.

- 43. The passage indicates that one responsibility of a fire fighter is to
- (A) install smoke detectors in the homes of residents in the communit
- (B) check homes to see if smoke detectors have been properly installe
- (C) develop fire safety programs for community leaders and school Teachers.
- (D) speak to school children about the importance of preventing fires.

Question 44 to 47 Directions: Comprehension

Charles Darwin was a biologist whose famous theory of evolution important to philosophy for the effect it has had on ideas relating to the nature of men. After many years of careful study, Darwin attempted show that higher species came into existence as a result of the gradultransformation of lower species, and that the process of transformation could be explained through the selective effect of the nature environment upon organisms. He concluded that the principles anatural selection and survival of the fittest govern all life. Darwing explanation of these principles is that because of the food supperblem, the young of any species compete for survival. Those your that survive to produce the next generation tend to embody favourab natural changes that are passed on by heredity. His major work the contained these theories is *On the Origin of the Species*, written 1859. Many religious opponents condemned this work.

- 44. According to the passage, how was Darwin's book, *On the Origin of the Species*, received?
 - (A) Scientists gave their immediate approval of Darwin's book.
 - (B) Religious opponents condemned Darwin's book.
 - (C) The world ignored Darwin's book.
 - (D) Darwin's book became an immediate bestseller.
- 45. Which of the following statements supports Darwin's belief about the origin of all species?
 - (A) Man is descended from monkeys.
 - (B) All life forms developed slowly over time from lower life forms.
 - (C) Natural forces do not affect life on Earth.
 - (D) All species were individually created.

46. According to the passage, Charles Darwin was which of the following?	Question 53 to 55 Directions: Find the erroneous construct in the sentence
(A) a priest (B) a biologist	52 Madam Sharkashairan / an Saranasia / sharkasharkasharkasharka
(C) an animal trainer (D) a politician	53. Modern film techniques / are far superior / than that / employed in the past (A) (B) (C) (D)
47. Darwin's explanation that the young of any species compete for	54. I believe / that respect / is more preferable than / money.
food and survival, and those that survive are strong and pass their	(A) (B) (C) (D)
traits on to their young was called which of the following?	55. I enjoyed / during my / stay in / Holland.
(A) belief in creationism	$(A) \qquad (B) \qquad (C) \qquad (D)$
(B) the catastrophic theory	Question 56 to 60 Directions: Fill in the blanks by choosing
(C) theory of natural selection and survival of the fittest	appropriate word(s)
(D) the study of anthropology Question 48 to 52 Directions: Find the most synonymous words from the options.	56. Deep ideologicaland internal power struggles the government. (A) similarities protracted (B) distortions accelerated (C) agreementsstymied (D) divisions paralyzed
48. GROVEL	57. A glue produced by bees totheir hives appears to contain antibiotic substances.
+8. UROVEL	(A) collect (B) design (C) build (D) decorate
(A) Decide (B) Vomit (C) Throw (D) Crawl	58. Unlike his calmer, more easygoing colleagues, the
49. CONNOISSEUR	senator was, ready to quarrel at the slightest
(A) Lover (B) Interpreter (C) Expert (D) Timid	provocation. (A) Whimsical (B) irascible (C) gregarious (D) ineffectual
50. BANAL	50 New decide accompany Clied with the second
(A) Common (B) Straight (C) Smooth (D) Slippery	59. Next day the newspaper was filled with thedetails of the murder.
51. CLANDESTINE	(A) macabre (B) condign (C) coherent (D) specious
(A) Public (B) Artistic (C) Secret (D) Violent	60. Jill wasby her employees because she oftenthem for not working hard enough.
52. SUBVERT	not working hard chough.
(A) Overthrow (B) Submit (C) Dictate (D) Decide	(A) deified goaded (B) loathed berated (C) disregarded eulogized (D) cherished decided

QUANTITATIVE SKILL PART-A (61 to 90)

61.	Find the valu	ue of (1-(1/3))(1-(1/4))(1-(1/5))(1	-(1/100))						
(A)	1/25	(B) 1/50	(C) 1/15	(D) 1/45	70. Evaluate: (303 x 303 + 208 x 208)					
					(A) 18	80348	(B) 91809	(C) 135	(D) 43264	ŀ
:	62. A man spends 2/5 of his salary on house rent, 3/10 of his salary on food and 1/8 of his salary on conveyance. if he has				71. Which of the following numbers is divisible by 3?					
	Rs.1400 left with him, find his expenditure on food.		od.	(A) 54	41326	(B) 59670	(C) 596	57019 (D) 55869)2	
(A)	1000	(B) 2400	(C) 1500	(D) 2000						
63. A crate of oranges contains one bruised mango for every fort							nbers are in the Numbers.	ratio of 15:11	. If their H.C.F. is 12,	
(oranges in the	e crate. If three of unsalable and the	out of every four nere are 12 unsala	bruised oranges are able oranges in the	(A) 18	80 , 132	(B) 186, 1	65 (C) 184	, 139 (D) 133, 1	69
(A)		w many oranges is (B) 1280	s there in the crate? (C) 480	(D) 360			m of two numb absolute differe		neir product is 437, the numbers.	en
()		(_)	(0)	(-)	(A) 4		(B) 6	(C) 8	(D) 10	
64. The average age of a class of 39 students is 15 years. If the age of the teacher be included, then the average increases by 3 months. Find the age of the teacher.				74. Fifty is divided into two parts such that the sum of their reciprocals is 1/12. Find the two parts.						
(A)	Ĭ	(B) 25	(C) 35	(D) 30	(A) 2:	5, 35	(B) 30, 20 (C)	15, 35	(D) 20, 20	
65. Distance between two stations A and B is 778 km. A train covers the journey from A to B at 84 km per hour and returns back to A with a uniform speed of 56 km per hour. Find the average speed of					age of N Nikita's	ikita is more thage?	an Ankita's ag	Nikita is 240. If twice by 4 years, what is	e th	
		ring the whole jou	-		(A) 2	1	(B) 12 (C	C) 15	(D) 20	
(A)	67.2	(B) 76.2	(C) 66.1	(D) 70				of Siddhi and	Anushka's age was 6:	
	of 1200 per Y	ear. Rampur has a	3000, which is decrease population of 420 ryear. In how man	000, which is]	7 respec Four yea Anushka	ers hence, this r	atio would bec	ome 7: 8. How old is	
		the two villages,		y years will the	(A) 50	6	(B) 36	(C) 63	(D) 44	
(A)	23	(B) 13	(C) 22	(D) 12	77.	Find	the value of (2	1/4-1) (2 ^{3/4} +2 ^{1/2} -	+21/4+1)	
67.		nd three pencils cond the cost of a per		ns and a pencil cost	(A) 1		(B) 2	(C) 0	(D) 12	
(A)	Rs.20	(B) Rs. 10	(C) Rs.25	(D) Rs. 15	78	If 3y of y?		+ 2y≤3, What o	can be said about the	valı
68.	What is the s	quare root of 0.00	09?		(A) y	y = -1	(B) $y > -1$	(C) y <-1	(D) $y = 1$	
(A)	0.03	(B) 0.3	(C) 3	(D) 0.003						

69. Nine persons went to a hotel for taking their meals 8 of them spe Rs.12 each on their meals and the ninth spent Rs.8 more than the

spent by them?

(B) 117

(A) 118

average expenditure of all the nine. What was the total mone

(C) 120

(D) 107

79.		e of an item is do by 10%, the net e			87.	During one year, the population of town increased by 5%. If the total population is 9975 at the end of the second year, then what was the population size in the beginning of the first				
	(A) Decre (C) decrea	ase of 99%	(B) No cha (D) An inc			year?				
	. ,		, ,			(A) 1000	(B) 10000	(C) 8500	(D) 9000	
80.	A, B and C enter into partnership. A invests 3 times as much as B and B invests two-third of what C invests. At the end of the year, the profit earned is Rs. 6600. What is the share of B?				88.		any ways can work to 4 students notil?			
	(A) 2400	(B) 6600	(C) 1200	(D) None of these		(A) 5040	(B) 210 (C	C) 84 ((D) None of these	
81.	on 8th Dec	, 2017?	·	of the week was it	89.	dresses are o kept in dark	room .What is th	t of different e probability	ghters. The size .the dress is that all the three	
	(A) Sunda	ay (B) Thurs	day (C) Tuesda	ay (D) Friday		will not choo	ose their own dre	SS.		
82.				fter few months,		(A) $2/3$	(B) 1/3	(C) 1/6	(D) 1/9	
	Viju joined him Rs.57, 000. At the end of the year, the total profit was divided between them in ratio 2:1. After how many months did Viju join?					The times taken by a phone operator to complete a call are 9 2,3,1,5 minutes respectively. What is the average time per call?				
	(A) 2	(B) 5	(C) 4	(D) 3		(A) 4 minute	es (B) 7 minutes	(C) 1 min	utes (D) 5 minutes	
83 Tł	and the su		and green balls	If 7 balls are green is less than 13, at						
	(A) 4	(B) 5	(C) 6	(D) 7		Q	UANTITATI	VE SKIL	L	
							PART-B (9	1 to 120)		
84.	machine, Q When Q sta kg. Similar	also climbs on, ands, R also clin	and the weight and the name on, and the name of R and S is found	ds on a weighing shown was 132 kg. nachine shows 130 d as 102 kg and that	91.	respectively.	and B can fill a If both the pipes me will be taken	are opened		
		_	_	(D) 44 W		(A) 20	(B) 25	(C) 35	(D) 30	
85.	(A) 58kg If the sales	(B) 78 kg tax reduced from	(C) 67 kg	(D) 44 Kg	92.	A cyclist covers a distance of 750 m in 2 min 30 sec. What is the speed in km/hr of the cyclist?				
03.	difference		person who put	rchases an article		•	(B) 18 (C)	,		
	(A) 42	(B) 28	(C) 15	(D) None	93.		nounts to Rs. 683			
86.		salary was decre by 50%. How mu				•	l annually, find th		•	
	(A) 20	(B) 25	(C) 35	(D) 30		(A) 8	(B) 10	(C) 9	(D) 7	
	(A) 20	(B) 23	(C) 33	(D) 30	94.	Simplify: (log 75/16-2 log 5	5/9+log 32/24	13)	
						(A) Log 2	(B) Log 4	(C) Log	1 (D) Log 3	

	time do the	ey meet?										
	(A) 17/4	(B) 4/17	(C) 17	(D) 39	90		(A) 55/3	(B) 150000	(C) 180000	(D) 160	000	
96.	A train 220 m long is running with a speed of 59 kmph In what will it pass a man who is running at 7 kmph in the direction opposite to that in which the train is going?					105.	If the digits of my present age are reversed then I get the age of my son. If one year ago my age was twice as that of my son. Find my present age.					
							(A) 63	(B) 73	(C) 37	(D) 36		
	(A) 55/3	(B) 12	(C) 18	(D) 66	Ó	106.	Solve: x +	$y = x^2 - y^2 = 23$	find y			
97.	If 20 men can build a wall 66 meters long in 6 days, what length of a similar can be built by 86 men in 8 days?						(A) 11	(B) 12	(C) 24	(D) 36		
	(A) 49m	(B) 59m	(C) 61	m	(D) 70m	107.		rea of a right-ar potenuse is 13c		whose bas	e is 12	
98.	Baban takes 8 hours to do a job. Mahendra takes 10 hours to do the same Job. How long should it take both Baban and Mahendra, working together but independently, to do the same job?					108.		(B) 30 set right at 6 a. What will be th	m. The clock l	oses 16 m		
	(A) $40/11$	(B) 40/9	(C) 9/	/40	(D) 9		p.m. on 4t					
99.	dividend. T	man buys Rs. 25 shares in company which pays 9 % ividend. The money invested is such that it gives 10 % on evestment. At what price did he buy the shares?					(A) 11	(B) 8	(C)	10	(D) 9	
	(A) 22.5	(B) 28	((C) 30	(D) 25			12 is based on the cutting specified		figure. It	represents t	
100.		any ways can a	· ·			wear (v D) at union	one cutting spec	ou (Ipili)			
	(A) 1000	(B) 166	55 (0	C) 225	(D) 1365							
101.		nt of a pole is 21 ind the angle of			of its shadow is							
	(A) 30	(B) 90	(0	C) 180	(D) 60							
102.	tapes is les	ge length of threes than 6400 fee ne other tapes?	•		Ione of the possible length							
	(A) 6400	(B) 6800	(C) 7600	(D)	6700							
103.	The average salary of 3 workers is 95 Rs. per week. If one earns Rs.115 and second earns Rs.65 how much is the salary of the 3rd worker.					109. (A)		shows lowest t B) Coconut (ool wear? C) Blassocut	(D) Soya	ıbean	
	(A) 105	(B) 120	(C) 180	(D) 75								

104.

of Business?

A and B are two stations 390 km apart. A train starts from A at

10 a.m. and travels towards B at 65 kmph. Another train starts from B at 11 a.m. and travels towards A at 35 kmph. At what

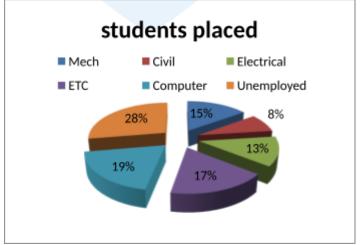
95.

A man owns 2/3 of the market research beauro business

and sells 3/4 of his shares for Rs. 75000. What is the value

- 110. Which oil shows lowest tool wear?
 - (A) Sunflower (B) Coconut
- (C) Blassocut (D) Soyabean
- 111. Conclusion based on the graph
 - (A) Tool wear is higher for dry condition.
 - (B) Tool wear increases as speed increases.
 - (C) Soyabean oil has lowest tool wear.
 - (D) All the above
- 112. The perimeters of two squares are 40 cm and 32 cm. Find the perimeter of a third square whose area is equal to the difference of the areas of the two squares.?
 - (A) 24
- (B) 48
- (C) 40
- (D) 32
- What is approximate difference between minimum and maximum tool wear at 80 rpm.
 - (A) 0.1
- (B) 0.2
- (C) 0.3
- (D) 0.4
- 114. If all the 6 are replaced by 9, then the algebraic sum of all the numbers from 1 to 100 (both inclusive) varies by
 - (A) 330
- (B) 350
- (C) 300
- (D) 100

Question 115 to 118. The pie-chart provided below gives the distribution of placement record of 300 students in an Engineering College. Study the pie-chart carefully and answer the questions that follow.



- 115. What is the difference between the numbers of placed students from mechanical and civil students?
 - (A) 21
- (B) 16
- (C) 24
- (D) 32

- 116. How many students of college placed in different branches?
 - (A) 217
- (B) 300
- (C) 271
- (D) 100
- 117. How many students from computer and Electrical are placed?
 - (A) 78
- (B) 96
- (C) 32
- (D) 74
- 118. How many students of college are not placed?
 - (A)78
- (B) 83
- (C) 28
- (D) 74
- 119. A motor boat covers a certain distance downstream in 30 minutes, while it comes back in 45 minutes. If the speed of the stream is 5 kmph what is the speed of the boat in still water?
 - (A) 10 kmph
- (B) 15 kmph
- (C) 20 kmph
- (D) 25kmph
- 120 Find the missing numbers in the series: 0, 2, 5, ?, 17, 28, ?
 - (A) 11, 31
- (B) 31, 51
- (C) 10, 41
- (D) 21, 40

ANLYTICAL SKILL PART-A (121 to 150)

- 121. Find the number of triangles in the given figure.
- (A) 18
- B) 20
- C) 24
- D) 27
- 122. Look at this series: 58, 52, 46, 40, 34 . . . What number should come next?
 - (A) 26
- (B) 28
- (C) 30
- (D) 32

123-126 Read the given information carefully and then answer the questions based on them:

Six members of a family A, B, C, D, E and F are Psychologist, Manager, Advocate, Jeweller, Doctor and Engineer but not in the same

- i. Doctor is the grandfather of F and he is a psychologist
- ii. Manager D is married to A
- C, who is a Jeweller, is married to Advocate iii.
- B is the mother of F and E iv.
- There are two married couples in the family V.
- 123. How many male members are there in the family?
 - (A) Four (B) Six (C) Cannot be determined (D) None of these
- 124. What is the profession of A?
 - (A) Manager
- (B) Engineer
- (C)Advocate
- (D) None of these
- 125. Who are the two couples in the family?
 - (A) AD and CB
- (B) AE and DE
- (C) AB and CD
- (D) AC and BD
- 126. How is A related to E?
 - (A) Father (B) Grandfather
- (C) Grandmother (D) Wife
- 127. The value of a machine depreciates at the rate of 10% every year. It was purchased 3 years ago. If its present value is Rs. 8748, its purchase price was
 - (A) 16000

(B) 12000

(C) 10000

- (D) 8000
- 128. Insert the missing number. 7, 26, 63, 124, 215, 342, ()
 - (A) 391
- (B) 421
- (C) 511
- (D) 451

- 129. What is the number of triangles that can be formed whose vertice are the vertices of an octagon but have only one side commo with that of octagon?
 - (A) 16
- B) 3 C) 48
- D) 64
- 130. A bag contains 50 P, 25 P and 10 P coins in the ratio 5: 9: 4, amounting to Rs. 206. Find the number of coins of each type respectively.
 - (A) 360, 160, 200
- B) 160, 360, 200
- C) 200, 360,160
- D) 200,160,300
- 131. A clock is set right at 8 a.m. The clock gains 10 minutes in 24 hours will be the true time when the clock indicates 1 p.m. on the following day?
 - (A) 48 min. past 12
- (B) 46 min. past 12
- (C) 45 min. past 12
- (D) 47 min. past 12
- 132. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?
 - (A) Mother

- (B) Granddaughter
- (C) Grandmother
- (D) Grandfather
- 133. What was the day of the week on, 16th July, 1776?
 - (A) Saturday
- (B) Tuesday

- (C) Sunday
- (D) Saturday
- 134. In a park, nine friends are sitting in a row facing north. M is at the extreme right.

Q is left to R but Right to P.

O is standing right to N and left to P.

Similarly, S is right to R and left to T.

A is at the extreme left.

Who is sitting in between P and M, if O is not there?

- (A) P
- (B) N
- (C) S
- (D) Q

- Re-entry occurs when a person leaves his or her social system for a period of time and then returns. Which situation below best describes Re-entry?
- (A) When he is offered a better paying position, Arvind leaves the restaurant. He manages to manage a new restaurant on the other side of town.
- (B) Datta is spending his junior year of college studying abroad in Australia.
- (C) Neeta is readjusting to civilian life after two years of overseas service.
- (D) After several miserable months, Ravi decides that she can no longer share an apartment with his roommate Ajinkya.

Read the given information carefully and then answer the questions based on them: (136 to 139)

"Mirchi", a specialty restaurant, is open for business every Monday through Saturday but is closed Sundays. Lunch is the only meal served on Mondays, Tuesdays and Thursdays. Dinner is the only meal served on Wednesdays, Fridays and Saturdays. The restaurant's floors are polished and its plants are watered only on days that "Mirchi", is open for business, according the following schedule:

Plants are watered two days each week, but never on consecutive days and never on the same day are that floors polished.

Floors are polished on Monday and two other days each week, but never on consecutive days and never on the same day that plants are watered.

136. According to the schedule, which of the following could be true?

- (A) Floors are polished on Tuesday
- (B) Plants are watered on Wednesday
- (C) Lunch is served on Friday
- (D) Dinner is served on Thursday
- **137.** According to the schedule, the restaurant's floors are polished on either
- (A) Tuesday or Wednesday
- B) Tuesday or Thursday
- (C) Wednesday or Thursday
- D) Thursday or Saturday

- 138. Assume that floors are polished on consecutive instead of no consecutive days but that all other scheduling policies are unchange. For how many of the six days can it be determined both whether plan are watered and whether floors are polished?
 - (A) Two (B
 - (B) Three
- (C) Five
- (D) Six
- 139. If dinner is served on a day that plants are watered, which of the following must be true?
 - (A) Plants are watered on Tuesday
 - (B) Plants are watered on Saturday
 - (C) Floors are polished on Thursday
 - (D) Floors are polished on Wednesday

Directions for Questions 140-143:

Find the odd one out.

- 140. 396, 462, 572, 427, 671, 264
- (A) 396
- (B) 671
- (C) 427
- (D)264
- 141. 1, 4, 9, 16, 23, 25, 36
- (A) 1
- (B) 16
- (C) 23
- (D) 25
- 142. 2, 5, 10, 17, 26, 37, 50, 64
- (A) 5
- (B) 17
- (C) 50
- (D) 64
- 143. 41, 43, 47, 53, 61, 71, 73, 81
- (A) 41
- (B) 53
- (C) 71
- (D) 81

Directions for Questions 144-148:

Choose the conclusion that can be drawn from the given statements.

- 144. All tubes are handles. All balls are handles.
 - I. All cups are tubes.
 - II. Some handles are not balls.
 - (A)Only conclusion I follows
 - (B)Only conclusion II follows
 - (C)Either I or II follows
 - (D)Neither I nor II follows
- 145. All Oranges are golden in color. No golden-coloured things are cheap.
 - I. All oranges are cheap.
 - II. Golden-colored oranges are not cheap.
 - (A)Only conclusion I follows
 - (B)Only conclusion II follows
 - (C)Either I or II follows
 - (D)Both I or II follow
- 146. Jayant is always successful. No fool is always successful.
 - I. Jayant is a fool.
 - II. Jayant is not a fool.
 - (A)Only conclusion I follows
 - (B)Only conclusion II follows
 - (C)Either I or II follows
 - (D) Neither I nor II follows
- 147. All terrorists are culpable. All terrorists are criminals.
 - Either all criminals are culpable or all culpable are criminals.
 - II. Some culpable persons are criminals.
 - III. Generally criminals are culpable.
 - IV. Crime and culpability go together.

- (A) Only I follows
- (B) Only I and III follow
- (C) Only II follows
- (D) Only II and IV follow
- 148. All film stars are playback singers. All film directors are film stars.
 - I. All film directors are playback singers
 - II. Some film stars are film directors.
 - (A) Only conclusion I follows
 - (B) Only conclusion II follows
 - (C) Either I or II follows
 - (D) Both I and II follow

Directions for Questions 149-153:

In each question below is given a statement followed by twassumptions numbered I and II. Decide which of the assumptions is implicit in the statement.

- 149. "You are hereby appointed as a Trainee Engineer with a probation period of six month and your performance will be reviewed at the end of the period for confirmation." A line in an appointment letter.
- The performance of an individual generally is not known at the time of appointment offer.
- II. Generally an individual tries to prove his worth in the probation period.
 - (A) Only assumption I is implicit
 - (B) Only assumption II is implicit
 - (C) Either I or II is implicit
 - (D) Both I and II are implicit

- 150. "If you trouble me, I will slap you." A teacher warns her students
 - I. With the warning, the students may stop troubling her.
 - II. All students are basically disobedient.
 - (A) Only assumption I is implicit
 - (B) Only assumption II is implicit
 - (C) Either I or II is implicit
 - (D) Both I and II are implicit

ANLYTICAL SKILL PART-B (151 to 180)

- 151. Apart from the Communication value of mobiles, its education value cannot be ignored.
 - I. People buy mobile for communication only.
 - The educational value of mobile is not appreciated correctly.
 - (A) Only assumption I is implicit
 - (B) Only assumption II is implicit
 - (C) Either I or II is implicit
 - (D) Both I and II are implicit
 - 152. Sangita decided to get the railway reservation in October, for the journey she wants to make in December, to Mumbai.
 - The railways issues reservations two months in advance.
 - II. There are more than one train to Mumbai.
 - III. There will be vacancy in the desired class.
 - (A) Only assumption I is implicit
 - (B) Only assumption II is implicit
 - (C) Only assumption I and II are implicit
 - (D) Only assumption II and III are implicit

- 153. The campaign of "Green City, Clean City" started by the Municipal Council did not have any response from the people.
 - I. People do not desire to keep their city clean and gree
 - II. The Municipal Council has failed in its campaign.
 - (A) Only assumption I is implicit
 - (B) Only assumption II is implicit
 - (C) Either I or II is implicit
 - (D) Both I and II are implicit

Directions for Questions 154-158:

Given below is a set of statements. Examine the statements and state the nature of relationship between them:

154. Statements:

- I. All the schools in the area had to be kept closed for most part of the week.
- II. Many parents have withdrawn their children from the local schools.
- (A) Statement I is the cause and statement II is its effect
- (B) Statement II is the cause and statement I is its effect
- (C) Both the statements I and II are independent causes
- (D) Both the statements I and II are effects of independent caus

155. Statements:

- There has been a high increase in the incidents of atrocities against women in the city during the past few months.
- II. The police authority has been unable to nab the culprits who are committing crime against women.
- (A) Statement I is the cause and statement II is its effect
- (B) Statement II is the cause and statement I is its effect
- (C) Both the statements I and II are independent causes
- (D) Both the statements I and II are effects of independent cause

156. Statements:

- It is the aim of the municipal council authority to get the air pollution reduced by 20% in the next two months.
- II. The number of respiratory diseases cases in the city are constantly increasing.
- (A) Statement I is the cause and statement II is its effect
- (B) Statement II is the cause and statement I is its effect
- (C) Both the statements I and II are independent causes
- (D) Both the statements I and II are effects of some common cause

157. Statements:

- There is considerable reduction in the number of people affected by water-borne diseases in rural areas during this rainy season.
- II. The government has opened numbers of new civil hospitals in rural areas in the beginning of the year.
- (A) Statement I is the cause and statement II is its effect
- (B) Statement II is the cause and statement I is its effect
- (C) Both the statements I and II are independent causes
- (D) Both the statements I and II are effects of independent causes

158. Statements:

- The police authority has recently caught a group of house breakers.
- II. The citizens group in the locality has started night vigil in the area.
- (A) Statement I is the cause and statement II is its effect
- (B) Statement II is the cause and statement I is its effect
- (C) Both the statements I and II are independent causes
- (D) Both the statements I and II are effects of some common cause

Directions for Questions 159-160:

Find the missing term:

- 159. QAR, RAS, SAT, TAU, _____
 - (A) TAS
 - (B) UAT
 - (C) UAV
 - (D) VAU
- 160. B2CD, _____, BCD4, B5CD, BC6D
 - (A) B2C2D
 - (B) BC3D
 - (C) B2C3D
 - (D) BC4D
- 161. If South-East becomes North, North-East becomes West and so on. What will West become?
 - (A) North-West
 - (B) South-West
 - (C) North-East
 - (D) South-East
- 162. A bag contains 4 white, 5 red and 6 blue balls. Three balls are drawn at random from the bag. The probability that all of them are red, is:
 - (A) 2/91
 - (B) 3/22
 - (C) 5/71
 - (D) 7/51
- 163. Village Q is to the North of the village P. The village R is in the East of Village Q. The village S is to the left of the village P. In which direction is the village S with respect to village R?
 - (A) West
 - (B) South
 - (C) South-West
 - (D) North-West

Directions for Questions 164-165:

Find the missing term:

164. 8:28::27:**?**

A) 65

B) 50

C) 64

D) 74

165. BEGK: ADFJ :: PSVY: ?

A) OQT

B) ROUY

C) ORUX

D) LSUF

166. A, B, C, D and E play a game of cards. A says to B, "If you give me three cards, you will have as many as E has and if I give you three cards, you will have as many as D has." A and B together have 10 cards more than what D and E together have. If B has two cards more than what C has and the total number of cards be 133, how many cards does B have?

(A) 35

(B) 26

(C) 33

(D) 25

- 167. A certain number of horses and an equal number of men are going somewhere. Half of the owners are on their horses' back while the remaining ones are walking along leading their horses. If the number of legs walking on the ground is 70, how many horses are there?
 - (A) 14
 - (B) 16
 - (C) 18
 - (D) 20

Question 168-172 are based on the criteria for selecting team leader for the V-Sphere Software Company.

The candidate should

- (i) Have a Minimum four years of experience
- (ii) Should have good communication skills..
- (iii) Have scored at least 90% in the interview.
- (iv) Know either Telugu or Hindi.
- (v) be at least 30 years and not more than 40 years as on 01- 12-2016

If the candidate satisfies all the above criteria, the candidate may be selected. If the candidate fulfills all the criteria except ((A) criterion (i), but has a work experience of at least five years as a Testing Engineer, then he/she is referred to Senio Software Engineer.

(b) criterion (v), but has a work experience of at least nine years as a Software Engineer then he/she is referred to Manager.

Based on the above information and data given in each question, you have to decide the course of action. You are not to assume anything. The following information is provided as on 01-12-2016.

If you are not able to decide the course of action because of insufficient data, your answer is "data is inadequate". Mark your answer as,

Questions:-

- 168. Ram has scored 92% in the interview and he is fluent in English. He has six years of work experience as an Associate Engineer and knows Hindi. He was born in 30th March 1984.
 - (A) if the candidate is to be rejected.
 - (B) if the candidate may be selected.
 - (C) if data is inadequate to take any decision.
- (D) if the candidate is to be referred to the Manager.

- 169. Ashalata was born in 1983 and she knows both Telugu and Hindi. She has three years of work experience as an Associate Engineer. She scored 90% in the interview and speaks English fluently. She also has six years of work experience as a Testing Engineer.
 - (A) if the candidate is to be rejected.
 - (B) if the candidate may be selected.
 - (C) if data is inadequate to take any decision.
 - (D) if the candidate is to be referred to the Manager.
- 170. Yogini scored 90% in the interview and is fluent in English. She knows Telugu and is 34 years old. She has ten years of work experience as a Software Engineer and has six years of work experience as a Testing engineer.
 - (A) if the candidate is to be rejected.
 - (B) if the candidate may be selected.
 - (C) if data is inadequate to take any decision.
 - (D) if the candidate is to be referred to the Manager.
- 171. Pramod was born on 10th September 1988. He has six years of work experience as an Associate Engineer, and is fluent in English. He knows both Hindi and English and scored 85% in the interview. He has nine years work experience as a Software Engineer.
 - (A) if the candidate is to be rejected.
 - (B) if the candidate may be selected.
 - (C) if data is inadequate to take any decision.
 - (D) if the candidate is to be referred to the Manager.
- 172. Varsha has nine years of work experience as a Software Engineer and knows Telugu. She is fluent in English and has five years of work experience as an Associate Engineer and scored 97% in the interview. Her age is 41 years.

- (A) if the candidate is to be rejected.
- (B) if the candidate may be selected.
- (C) if data is inadequate to take any decision.
- (D) if the candidate is to be referred to the Manager.
- 173. Count the number of squares in the given figure.

(A) 32 (B) 30 (C) 29 (D) 28

174. Here are some words translated from an artificial language. gorblflur means fan belt, pixngorbl means ceiling fan arthtusl means tile roof, Which word could mean "ceiling tile"?

- (A) gorbitusi (B) flurgorbi
- (C) arthflur (D) pixnarth

175. Choose the picture that would go in the empty box so that the two bottom pictures are related in the same way as the top two are related.

(A) 1 (B) 2 (C) 3 (D) 4

- 176. Violating an Apartment Lease occurs when a tenant does something banned by the legally binding document that he or she has signed with a landlord. Which situation below is the best example of Violating an Apartment Lease?
 - (A) Priyanka has decided to move to another city, so he calls his landlord to tell him that he is not interested in renewing his lease when it expires next month.
 - (B) Sharad recently lost her job and, for the last three months, has neglected to pay his landlord the monthly rent they agreed upon in writing when he moved into her apartment eight months ago.
 - (C) Uday writes a letter to his landlord that lists numerous complaints about the apartment he has agreed to rent for two years.
 - (D) Anna thinks that her landlord is neglecting the building in which she rents an apartment. He calls her attorney to ask for advice.
- 177. From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?
 - (A) 564
- (B) 546
- (C) 746
- (D) 756
- 178. The difference between a two-digit number and the number obtained by interchanging the digits is 36. What is the difference between the sum and the difference of the digits of the number if the ratio between the digits of the number is 1 : 2?
 - (A) 4
 - (B) 6
 - (C) 8
 - (D) 10

- 179. Which one of the following is always associated with 'tree'?
 - (A) Roots
 - (B) Fruits
 - (C) Leaves
 - (D) Flowers
- 180. The largest 4 digit number exactly divisible by 88 is:
 - (A) 8888
 - (B) 9944
 - (C) 9964
 - (D) 9988