# **AFCAT 1 2015 QUESTION PAPER**

**INSTRUCTIONS:** TIME LIMIT: 2 HOURS

- 1. Total No. of Questions–100. Each Question is of three marks.
- 2. One mark will be deducted for every wrong answer.
- 3. Do not write or mark on the Question Paper.
- 4. Question Paper to be returned before leaving the Exam Hall.

**DIRECTIONS (Qs. 1-4):** Which word or words explains the meaning of the following idioms:

- In a jiffy
  - (a) Outstanding
- (b) Suddenly
- (c) In a fix
- (d) Appropriate
- Upto the hilt
  - Completely
- (b) upto the mark
- Upto the final decision (d) None of these (c)
- 3. Man of Letters
  - Who writes too many letters (a)
  - An important person (b)
  - A politician (c)
  - (d) A literary person
- Sangfroid
  - (a) Composure
- (b) Go on leave
- Changed suddenly
- (d) Make an attempt

**DIRECTIONS (Qs. 5-10):** Select the most appropriate word from the options against each number:

As home entertainment, television is rapidly becoming more (5) than any other form. A news broadcast becomes more immediate when people (6) actually see the scene (7) question and the movement of the figures. Films could be viewed in the (8) of the home and a variety of shows are also available. One of the advantages of travel programmes is the (9) of faraway places which many viewers would not (10) see.

- 5. (a) interesting
- (b) popular
- (c) powerful
- (d) purposeful
- 6. (a) could
- (b) would
- might (c)
- (d) shall
- 7. (a) of
- (b) with
- (c) as

9.

- (d) in
- 8. surroundings (a)
- (b) assistance
- (c) comfort
- (d) privilege
- (a) glimpses
- image
- portrait (c)
- (d) picture
- 10 possible (a)
- (b) rather
- (c)
- (d) otherwise

**DIRECTIONS (Qs. 11-14):** Choose the word which is nearest in meaning to the given word:

- **Sporadic** 
  - (a) Epidemic
- (b) Whirling
- Occasional
- (d) Stagnant

- Genesis
  - (a) Style
- (b) Beginning (d) Relevant
- Movement
- Intransigent (a) Authoritative
- (b) Impersonal
- (c) Strenuous
- (d) Unbending
- (a) Mislead

Intimidate

- (b) Misplace (d) Demoralise
- Frighten

**DIRECTIONS (Qs. 15-18):** Choose the word which is nearly opposite in meaning of the given word:

- Clemency
  - (a) Corporal
- (b) Intolerance
- (c) Compromise
- (d) Sensibility

- Cajole 16.
  - (a) Nestle
- (b) Secede
- Bully (c)
- (d) Moisten
- Malevolent
  - (a) Kindly
- (b) Vacuous
- Ambivalent (c)
- (d) Primitive
- Purgatory
  - (a)
- Reward
- (b) Celestial
- (c) Flawless
- (d) Proximity

**DIRECTIONS (Qs. 19-21):** Read the following passage carefully and answer the questions given below it:

In spring, polar bear mothers emerge from dens with three months old cubs. The mother bear has fasted for as long as eight months but that does not stop the young from demanding full access to her remaining reserves. If there are triplets, the most persistent stands to gain an extra meal at the expense of others. The smallest of the cubs forfeits many meals to stronger siblings. Females are protective of their cubs but tend to ignore family rivalry over food. In 21 years of photographing polar bears. I have only once seen the smallest of triplets survive till autumn.

- With reference to the passage, the following assumptions have been made:
  - Polar bears fast as long as eight months due to non availability of prey.
  - Polar bears always give birth to triplets.

Which of the assumptions given above is/are true?

- I only
- (b) II only
- Both I and II (c)
- (d) Neither I nor II

20.	Fem	ale polar bears give birth		=	32.		•		10 Kmph. If it can travel	
	(a)	Spring		Summer				_	stream in the same time,	
	(c)	Autumn	(d)	Winter		the	speed of the stream			
21.	Mot	her bear				(a)	2 Kmph	(b)	2.5 Kmph	
	(a)	Takes sides over cubs				(c)	3 Kmph	(d)	4 Kmph	
	(b)	Lets the cubs fend for	thems	selves	33.	If a	sum becomes doub	le in 16 year	s, how many times will it	
	(c)	Feeds only their favour	rites			be in	n 8 years?			
	(d)	Sees that all cubs get a	n equ	al share			1		1	
DIR	ECT	IONS (Qs. 22-25) : Cho	ose th	ne word that best defines		(a)	$1\frac{1}{2}$ times	(b)	$1\frac{1}{2}$ times	
the g		phrases :					2		3	
22.	A Cı	urtain Lecture				( )	$1\frac{3}{4}$ items	(1)	11	
	(a)	To speak plainly				(c)	1— items	(d)	1— times	
		Vulgar ideas			34.	In h	ow many years wil	l a sum of R	s 800 at 10% per annum	
	(c)	Private scolding of a h	usban	d by his wife	5 1.		pounded semi-ann			
	. /	Hate others					_	-		
23.	Squa	are pegs in round holes				(a)	$1\frac{1}{3}$	(b)	$1\frac{1}{2}$	
	(a)	A genuinely helpful pe	erson			(4)	3			
	(b)	A clever person					1		1	
	(c)	People in the wrong jo	bs			(c)	$2\frac{1}{3}$	(d)	$2\frac{1}{2}$	
	(d)	To be perplexed			25		5		2	
24.	In w	real and woe			35.				% and another at a profit	
	(a)	By hook or crook						ss/gain per	centage in the overall	
	(b)	During illness					saction?	(1-)	20/	
	(c)	In prosperity and adve	rsity			(a)	2.25%	` '	3%	
		During the operation			26	(c)	4%		No profit, no loss	
25.	Globetrotters				36.		A man travelled from a point A to B at the rate of 25 Kmph			
	(a)							nph. If the whole journey		
	(b)	People indulging in tre	acher	y					e between A and B is	
	(c)	Intelligent minds				(a)	30km	* *	24km	
	(d)	Travellers around the v				(c)	20 km		51.6km	
		IONS (Qs. 26-29): Cho			37.		-	-	d clears a platform 200 m	
26.	(a)	Konnoisseur		Conoisseur					egraph post in 5 seconds.	
	(c)	Connoisseur		Konoisseur			speed of the train		201 //	
27.	(a)	Munifisent		Muneficent		(a)	36 km/h		39 km/h	
	(c)	Munificent	` '	Munificient	•	(c)	72 km/h	` '	78 km/h	
28.	(a)	Equanmity	` '	Equannimity	38.				20% due to the festive	
	(c)	Equanimmisty	` '	Equinimity			•	-	ald a family reduce the	
29.	(a)	Vetarinary	(b)	-				so that the	ere is no change in the	
	(c)	Vetennary	(d)	Vetniary		expo	enditure?			
				nost appropriate answer :		( )	200/	4)	1010/	
30.				k in 20, 30 and 60 days		(a)	20%	(b)	$18\frac{1}{3}\%$	
	-	-	-	an A do the work if he is			2		1	
		sted by B and C on ever				(c)	$16\frac{2}{3}\%$	(d)	$16\frac{1}{3}\%$	
	(a)	12 days		15 days		(-)	3	()	3	
	(c)	16 days	(d)	18 days	39.				lary, which is 15% lower	
21	<b>A</b>	1 V1	:4:1	l water and finds that it				w much per	rcent is C's salary more	
31.	A m	$\frac{1}{3}$ can row $\frac{9}{3}$ Kmpn	ın stii	I water and finds that it		thar	n A's salary?			
	take	s him thrice as much time	e to ro	w up than as to row down		(a)	44.05%	(b)	45.05%	
		same distance in the rive				(c)	46.05%	(d)	47.05%	
					40.				reased by 2 Kg when one	
	(a)	$3\frac{1}{3}$ Kmph	(b)	$3\frac{1}{9}$ Kmph					s replaced by a new man.	
		3	. /	9 -		The	weight of the new			
		, 2		<sub>4</sub> 1		(a)	50 Kg		65 Kg	
	(c)	$4\frac{2}{3}$ Kmph	(d)	$4\frac{1}{3}$ Kmph		(c)	68 Kg	(d)	70 Kg	

it in 24 days, A and C can do it in 36 days. In how many days B alone can finish the work?  (a) 48 days (b) 54 days (c) 28 days (d) 144 days 42. The opposition part status is accorded to a political party in the Lok Sabba only if it qualities at least in the Lok Sabba only if it qualities at least (e) 15% Seats (a) 5% Seats (b) 16% Seats 43. Who amongst the following in the author of the book 'A Bend in the River? (a) Chetan Bhagat (b) KNaipaul (c) Kinn Desai (d) Anial Desai 44. 'Long Walk to Freedom' is a book writen by (a) Soni Gandhi (b) Klardam Flailistic Missile (KBRM) (c) Margin Elistic Missile (KBRM) (d) Short Range Fallistic Missile (KBRM) (e) Mich agrowth of the following a status of the following rank of Group Capatin by the FAF? (a) Kapil Dev (b) Sing Gandhi (c) Kaism Desai (d) Maria (d) Sachin Irendulabr (d) Sachin Irendulabr (d) San Anelwad (d) Sachin Irendulabr (e) Naism Relwad (d) Sachin Irendulabr (e) Naism Relwad (d) Sachin Irendulabr (e) Nigoria Galas did India win in the Incheon Asian Grames held in Oxt 2014' (a) How many Gold medials did India win in the Incheon Asian Grames held in Oxt 2014' (c) Yan Galas (d) Dinesh Gapta (d) Agnil (e) Kaism Hall (b) Pritavia (e) Agnil (e) Kaism Hall (b) Pritavia (e) Cassis of Tol Seerial Assembly? (e) Homopastic (f) Homopastic (g) The branch of Science that studies cells is called (g) Cytology (g) Homopastic (g) The world of Science that studies cells is called (g) The branch of Science that studies cells is called (g) Cytology (g) Homopastic (g) Homopastic (g) Mikhai Gorbochev (g) Homopastic (g) Mikhai Gorbochev (g) Kan Arbald Chaffa Khan (g) Arbaha Tito (h) Mikhaii Gorbochev (c) Kan Arbald Chaffa Khan (d) Arbald Wai Khan  Sir CV Raman was awarded Nobel Prize for his work connected with which of the following phenomenon of radiation? (a) Scattering (b) Diffraction (c) Kanam Arbald Chaffa Khan (d) Arbald Wai Khan  Sir CV Raman was awarded Nobel Prize for his work connected with which of the following phenomenon of radiation? (a) Scattering (d) Kanam Malesh	41.	A and B can do a piece of work in 18 days; B and C can do	54.	In which city is headquarters of Asian Development Bank
(a) 48 days (b) 45 days  (c) 28 \( \frac{1}{5} \) days (d) 144 days  42. The opposition part status is accorded to a political party in the Lok Subha only if it captures at least in the Lok Subha only if it captures at least (c) 15% Seats (d) 20% Seats (e) 15% Seats (				
(c) 28 days (d) 144 days  42. The opposition part status is accorded to a political party in the Lok Sabha only if it captures at least (e) 5% Seats (b) 10% Seats (c) 15% Seats (d) 20% Seats  43. Who amongst the following in the author of the book 'A Bend in the River?  (a) Chetan Bhagat (b) VS Naipaul (c) Kiran Desai (d) Ania Desai (d) Kania Desai (d) Ania Desai (d) Kania Desai (d) Sachin Iendulakr (d) Seahin Iendulakr (d) Seahin Iendulakr (e) Siama Nehwal (d) Sachin Iendulakr (e) Nigeria (d) Guinea (d) Sierra Icone (e) Nigeria (d) Guinea (d) Sierra Icone (e) Nigeria (d) Guinea (d) India Bhasia (d) Dimesh Gupta (e) Kanii II (e) 12 (d) 8  48. Who has been appointed as the new Finance Secretary of India? (e) Kanii II (e) 12 (d) 8  49. Which county among the following is India's first long range subsonic cruise missile? (e) Laushik Basu (d) Dimesh Gupta (e) Agni II (e) Dhamush (d) Nirbhay (e) The branch of science that studies cells is called (e) Cytology (e) Entomology (e) Homoplastic (d) Homonoldy (e) The branch of science that studies cells is called (e) The branch of science that studies cells is called (e) The branch of science that studies cells is called (e) Two Government of Thide Bhanch (d) Homonoldy (e) The branch of science that studies cells is called (e) The branch of science that studies cells is called (e) The branch of science that studies cells is called (e) The branch of science that studies cells is called (e) The branch of science that studies cells is called (e) Thinking the proposition of the control of the				```
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the Lok Sabaho only fit Captures at least (a) 5% Seats (b) 10% Seats (c) 15% Seats (b) 10% Seats (d) 20% Seats (d) 20% Seats (e) Most amongst the following in the author of the book 'A Bend in the River? (a) Chan Bhagat (b) VS Naipaul (c) Kiran Desai (d) Anita Desai (d) Arian Desai (d) Anita Desai (e) Kiran Desai (d) Anita Desai (e) Kiran Desai (d) Anita Desai (f) Sonia Gandhi (b) LK Advani (e) Nelson Mandela (d) Benazir Bhutto (f) Siran Nehwal (d) Sachin Tendulakr (f) Saina Nehwal (d) Sachin Tendulakr (g) Saina Nehwal (d) Sachin Tendulakr (g) Saira leone (b) Liberia (g) Nigeria (h) Nigeria (h) Who has been appointed as the new Finance Secretary of India? (g) Arvind Mayaram (b) Rajiv Mehrishi (c) Bashik Basu (d) Dinesh Gupta (g) Arvind Mayaram (b) Rajiv Mehrishi (c) Rashik Basu (d) Dinesh Gupta (g) The branch of science that studies cells is called (a) Cytology (b) Entomology (c) Homoplastic (d) Homonoly (d) Nine (e) Two (d) Twenty one (e) Two (d) Twenty one (f) Khan Abdul Ghaffar Khan (d) Abdul Wali Khan (d) Abdul Wali Khan (e) Kasthir Basu (b) Diffraction (e) Scattering (b) Diffraction (f) Nighail Gorbachev (c) Khan Abdul Ghaffar Khan (d) Abdul Wali Khan (f) Scattering (b) Diffraction (g) Ning Zetao Of China (h) May Kom of India (h) Kosuke Hagino of Japan (c) Kosuke Hagino of Japan (h) Kosuke Hagino of Japan		(c) $28\frac{1}{5}$ days (d) 144 days		
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smember of the advisory board of one of the following member of the advisory board of one of the following member of the advisory board of one of the following recently.  (a) Chetan Bhagat (b) VSNaipaul (c) Kiran Desai (d) Anita Desai (d) Anita Desai (d) Sunsi Gandhi (b) LKAdvani (e) Nesson Mandela (d) Benazir Bhutto (e) Nigeria (d) Gania Netwal (d) Sachin Tendulakr (e) Nigeria (d) Guinea (e) Liberia (e) 12 (d) 8  Who has been appointed as the new Finance Secretary of India?  (a) Arvind Mayaram (b) Rajiv Mehrishi (c) Kaushik Basu (d) Dinesh Gupta subsonic cruise missile?  (a) Agni II (b) Prithvi (c) Dhanush (d) Nirbhay (e) Entomology (e) Homoplastic (d) Homoplastic (d) Homomolgy (e) Homoplastic (d) Homoplastic			56	` ,
43. Who amongst the following in the author of the book 'A Bend in the River?  (a) Chetan Bhagat (b) VSNaipaul (c) Kiran Desai (d) Anita Desai (e) Kiran Desai (d) Anita Desai (e) Kiran Desai (d) Sonia Gandhi (e) I.K.Advani (e) Roson Mandela (d) Renarir Bhutto (e) Roson Mandela (d) Renarir Bhutto (e) Roson Mandela (d) Renarir Bhutto (e) Saina Nchwal (d) Sachin Tendulakr (d) Kiran Desai (d) Giunea (e) Siera leone (e) Liberia (e) Siera leone (e) Liberia (e) Nigeria (d) Giunea (d) Giunea (d) Siera (d) Giunea (d) Roson declared Ebolafree by WHO?  (a) Siera leone (b) Liberia (d) Giunea (d) Roson declared Ebolafree by WHO?  (b) Siera (d) Giunea (d) Giunea (d) Roson declared Ebolafree by WHO?  (c) Nigeria (d) Giunea (d) Roson declared Ebolafree by WHO?  (a) Arvind Mayaram (b) Rajiv Mehrishi (e) Rajiv Mehrishi (e) Rajiv Mehrishi (e) Rajii Mehrishi (e) Roson declared Bolasion cruise missile?  (a) Agni II (b) Prithvi (e) Dhanush (d) Nirbhay  50. The branch of science that studies cells is called (a) Cytology (b) Entomology (e) Homoplastic (d) Hormonolgy (d) Twenty one (e) Two (d) Twenty one (e) Rana Abdul Ghaffar khan (d) Abdul Wali Khan  53. Sir CV Raman was awarded Nobel Prize for his work connected with which of the following phenomenon of radiation?  (a) Scattering (b) Diffraction (c) Interference (d) Polarisation (e) Diffraction (e) Interference (d) Polarisation (e) Control (e) Polarisation (e) Control (e) Rajai Polarisation (e) Diffraction (e) Diffraction (e) Diffraction (e) Diffraction (e) Diffraction (e) Control (e) Diffraction (e) Control (e) Diffraction (e) Diffraction (e) Diffraction (e) Diffraction (e) Control (e) Diffraction (e) Di			50.	
Bend in the River?   (a) Chetan Bhagat (b) VSNaipaul (c) Kiran Desai (d) Anita Desai (d) Anita Desai (d) Kiran Desai (d) Anita Desai (d) Kadvani (e) Kiran Desai (d) Anita Desai (d) Gansia Gandhi (b) LKAdvani (e) Nelson Mandela (d) Benazir Bhutto (d) Which Sports personality has been awarded the honorary rank of Group Captain by the IAF?   (a) Kapil Dev (b) Sania Mirza (c) Saina Nelwal (d) Sachin Tendulakr (e) Which county among the following has been declared Ebolafree by WHO?   (a) Sierra leone (b) Liberia (c) Nigeria (d) Guinea (e) Nigeria (e) Nigeria (d) Guinea (e) Nigeria (e	43.	* /		·
(a) Chetan Bhagat (b) VSNaipaul (c) Kiran Desai (d) Anita Desai (d) Anita Desai (e) Kiran Desai (d) Anita Desai (d) Sonia Gandhi (e) Benazir Bhutto (e) Nelson Mandela (d) Benazir Bhutto (e) Nelson Mandela (d) Benazir Bhutto (e) Saina Mehwal (d) Sachin Tendulakr (e) Saina Nehwal (d) Sachin Tendulakr (e) Nigeria (d) Guinea (e) Nigeria (d) Sachin Tendulakr (e) Nigeria (d) Guinea (e) Nigeria (d) Guinea (e) Nigeria (d) Sachin Tendulakr (e) Nigeria (d) Guinea (e) Nigeria (d) Guinea (e) Nigeria (d) Guinea (e) Nigeria (d) Guinea (e) Nigeria (d) Sachin Tendulakr (e) Nigeria (d) Guinea (e) Nigeria (d) Guinea (e) Nigeria (d) Guinea (e) Nigeria (d) Sachin Mehan (e) Nigeria				
(c) Kiran Desai (d) Anita Desai 57.  44. 'Long Walk to Freedom' is a book written by (a) Sonia Gandhi (b) LK Advani (c) Nelson Mandela (d) Benazir Bhutto (d) Elephants  45. Which sports personality has been awarded the honorary rank of Group Captain by the LAF?  (a) Kapil Dew (b) Sania Mirza (c) Saina Nehwal (d) Sachin Tendulakr (d) Which county among the following has been declared Ebolafree by WHO?  (a) Sierra Icone (b) Liberia (c) Nigeria (d) Guinea (d) Sierra Icone (e) Diffice of Nigeria (d) Guinea (d) Robert (e) Pigeria (d) Guinea (d) Robert (e) Pigeria (d) Guinea (d) Pigeria (d) Guinea (d) Robert (e) Pigeria (d) Guinea (d) Pigeria (d) Guinea (d) Robert (e) Pigeria (e) Pigeria (e) Robert (e) R		(a) Chetan Bhagat (b) VS Naipaul		
4.4 Long Walk to Freedom's a book written by (a) Sonia Gandhi (b) LK Advani (c) Nelson Mandela (d) Benazir Bhutto  4.5 Which sports personality has been awarded the honorary rank of Group Captain by the LAF?  (a) Kapil Dev (b) Sania Mirza (c) Saian Nehwal (d) Sachin Tendulakr (e) Nigeria (d) Guinea  4.6 Which county among the following has been declared Ebolafree by WHO?  (a) Sierral econe (b) Liberia (b) Nigeria (d) Guinea  4.7 How many Gold medals did India win in the Incheon Asian Games held in Oct 2014? (a) 10 (b) 11 (c) 12 (d) 8  4.8 Who has been appointed as the new Finance Secretary of India?  (a) Arvind Mayaram (b) Rajiv Mehrishi (c) Kaushik Basu (d) Dinesh Gupta  4.9 Which among the following is India's first long range subsonic cruise missile?  (a) Agni I (b) Prithvi (c) Dhanush (d) Nirbhay  5.0 The branch of science that studies cells is called (a) Cytology (b) Entomology (c) Homoplastic (d) Hormonolgy  5.1 How many Vice Presidents are elected at the start of its each regular session of UN General Assembly?  (a) Mary Son of UN General Assembly?  (a) Mary Son of UN General Assembly?  (a) Mary Son of UN General Assembly?  (b) Mikhail Gorbachev (c) Tho the often is Nelson Mandela. The other is (d) Mary Son of India' Bharat Ratna' has been awarded to only two foreigners so far. One of them is Nelson Mandela. The other is (d) Mary Son of India (d) Abdul Wali Khan  5.3 Sir CV Raman was awarded Nobel Prize for his work connected with which of the following phenomenon of radiation? (e) Interference (d) Dollarisation (c) Ning Zetao of China (d) Nobel Walishan (e) Nine (e) Diffraction (e) Nine (free following phenomenon of radiation? (e) Literature (h) Nine (h) Prize for his work connected with which of the following phenomenon of radiation? (e) Interference (d) Dollarisation (f) Ning Zetao of China (h) Elephants (h) Elephants (h) Elephants (h) Kibal Singh (h) PT Usha (c) Karman Malleshwari (d) KD Jadhav (c) Karman Malleshwari (d) KD Jadhav (c) Karman Malleshwari (d) Kalman Asual Kalma Mazad (h) Mikhai Singh (		(c) Kiran Desai (d) Anita Desai	57	
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(*) (**)		``		
(a) None of these		(c) Interference (d) Polarisation		
				(u) None of these

**DIRECTIONS (Qs. 66-70):** *In each of the following questions* find out the alternative which will replace the question mark.

East: Orient::?:?

(c)

- (a) North: Polar
- (b) North: Tropic (d) West: Occident
- Ignominy: Disloyalty::?:? 67.

South: Capricorn

- Dealth: Victory (a)
- (b) Martyr: Man
- Fame: Heroism (c)
- (d) Destruction: Victory
- Loath: Coercion::?:? 68.
  - Detest: Caressing (a)
- Irritate: Caressing
- Irate: Antagonism (c)
- (d) Reluctant: Persuasion
- Trilogy: Novel::?:? 69.
  - Rice: Husk
- Milk: Cream
- (c) Serial: Episode
- (d) Gun: Cartridge
- Wife: Marriage::?:? 70.
  - Bank: Money
  - (b) Nationality: Citizenship
  - Service: Qualification (c)
  - Attendance: Register

**DIRECTIONS (Qs. 71-75):** Each of these questions given below contains three elements. These elements may or may not have some inter-linkage. Each group of elements may fit into one of these diagrams at (a), (b), (c) or (d). You have to indicate the group of elements which correctly fits into the diagrams.

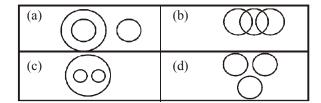
Which of the following diagrams indicates the best relation between Doctors. Human Beings and Married People?

(a)	00	(b)	) (
(c)		(d)	)

Which of the following diagrams indicates the best relation Children, Naughty and Studious?

(a)		(b)	$\bigcirc$
(c)	8	(d)	

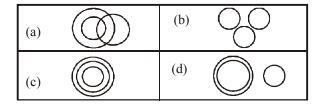
Which of the following diagrams indicates the best relation between Thief, Criminal and Police?



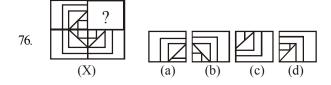
Which of the following diagrams indicates the best relation 74. between Man, Worker and Garden?

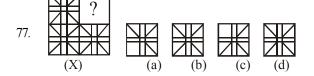
(a) O	(b)	9
(c) O	(d)	0

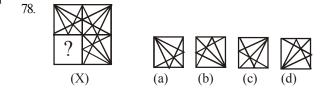
75. Which of the following diagrams indicates the best relation between Males, Cousins and Nephews?

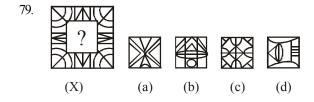


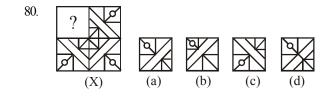
**DIRECTIONS (Qs. 76-80):** *In each of the following questions,* select a figure from amongst the four alternatives, which when placed in the blank space of figure (X) would complete the pattern.





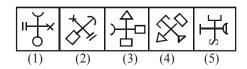




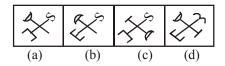


**DIRECTIONS (Qs. 81-85):** Each of the following questions consists of five figures marked 1, 2, 3, 4 and 5 called the Problem Figures followed by four other figures marked a, b, c and d called the Answer Figurs. Select a figure from amongst the Answer Figures which will continue the same series as established by the Five Problem Figures.

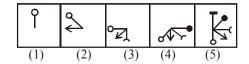
## 81. Problem Figures:



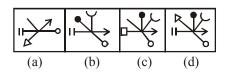
#### **Answer Figures:**



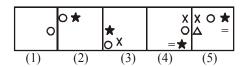
#### 82. **Problem Figures:**



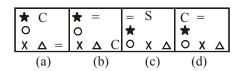
### **Answer Figures:**



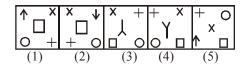
#### 83. **Problem Figures:**



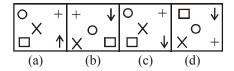
### **Answer Figures:**



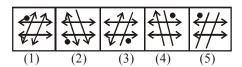
## 84. **Problem Figures:**



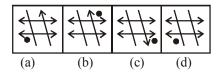
#### **Answer Figures:**



#### 85. **Problem Figures:**



#### **Answer Figures:**



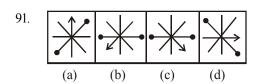
**DIRECTIONS (Qs. 86-90):** In each of the following questions, four words have been given out of which three are alike in some manner, while the fourth one is different. Choose the word which is different from the rest.

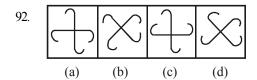
- 86. (a) Othello
- (b) King Lear
- (c) Oliver Twist
- (d) Macbeth
- 87. (a) Nimitz
- (b) Yamamoto
- (c) Nelson
- (d) Montgomery
- 88. (a) Blaze

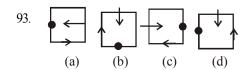
89.

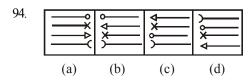
- (b) Glint
- (c) Simmer
- (d) Shimmer
- (a) Aravalli hills
- (b) Shivalik hills
- (c) Mole hills
- (d) Satpura hills
- 90. (a) Beaver (c) Walrus
- (b) Alpaca(d) Koala

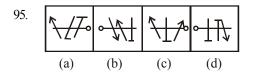
**DIRECTIONS (Qs. 91-95) :** In each problem, out of the four figures marked (a) (b) (c) and (d) three are smililar in a certain manner. However, one figure is not like the other three. Choose the figure which is different from the rest.



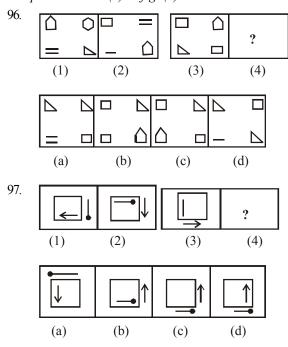


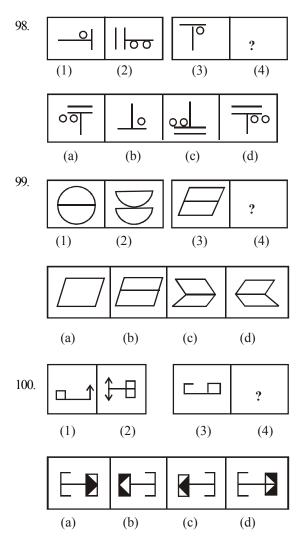






**DIRECTIONS (Qs. 96-100):** Each of the following questions consists of two sets of figures. Figures 1, 2, 3 and 4 constitute the Problem Set while figures a, b, c and d constitute the Answer Set. There is a definite relationship between figures (1) and (2). Establish a similar relationship between figures (3) and (4) by selecting a suitable figure from the Answer set that would replace the question mark (?) in fig. (4).





#### **AFCAT 1 2015 QUESTION PAPER**

ANSWER KEY									
1. (b)	2. (a)	3. (d)	4. (a)	5. (b)	6. (a)	7. (d)	8. (c)	9. (a)	10.(d)
11.(c)	12.(b)	13.(d)	14.(c)	15.(b)	16.(c)	17.(a)	18.(b)	19.(a)	20.(d)
21.(b)	22.(c)	23.(c)	24.(c)	25.(d)	26.(c)	27.(c)	28.(a)	29.(c)	30.(b)
31.(c)	32.(c)	33.(a)	34.(b)	35.(d)	36.(c)	37.(c)	38.(c)	39.(d)	40.(d)
41.(c)	42.(b)	43.(b)	44.(c)	45.(d)	46.(c)	47.(b)	48.(b)	49.(d)	50.(a)
51.(d)	52.(c)	53.(a)	54.(a)	55.(a)	56.(a)	57.(a)	58.(d)	59.(b)	60.(c)
61.(c)	62.(d)	63.(a)	64.(d)	65.(b)	66.(d)	67.(a)	68.(d)	69.(c)	70.(b)
71.(d)	72.(a)	73.(a)	74.(d)	75.(a)	76.(b)	77.(d)	78.(d)	79.(c)	80.(c)
81.(d)	82.(c)	83.(c)	84.(c)	85.(d)	86.(c)	87.(d)	88.(c)	89.(c)	90.(c)
91.(c)	92.(d)	93.(a)	94.(a)	95.(d)	96.(a)	97.(d)	98.(c)	99.(d)	100.(c)

- 1. (b) Jiffy means-a very short time, a moment which is used in an informal way in English. Ex. I we'll be back in a jiffy. The other options are not appropriate.
- (a) Upto the hilt means completely.
   Ex. The building was mortgaged up to the hilt.
   Other options give different meaning.
- 3. (d) Literary persons are scholars or male authors known as—man of letters. Ex. He wished to fashion for himself a career as a man of letters.
  - Other options are not correct as they express different meanings.
- 4. (a) Sangfroid means composure or coolness shown in danger or under trying circumstances.
  Ex. Offering the most welcoming stage for the talented, the city with equal sangfroid accepts the misery of millions who fail to flourish. Other options are simply irrelevat so far the meaning is concerned.
- 5. (b) The word rapidly can match popular, not with other options.
- 6. (a) Could shows the ability
- 7. (d) In question' means being discussed or considered ex. On the days in question there were several serious questions.
- 8. (c) In the comfort of home' defines in the home atmosphere without going out for the purpose of entertainment.
- 10. (d) Otherwise television this would not have possible.
- 11. (c) Sporadic means, occuring at irregular intervals or any in a few places. Ex. A sporadic fighting broke out.
- 12. (b) Genesis is the origin or mode of formation of something.

  The nearest meaning is beginning.
- 13. (d) Intransigent defines unwilling or refusing to change one's views or to agree about something. Therefore unbending is the nearest meaning.
- 14. (c) Intimidate means frighten or overawe someone, in order to make them do what one wants.

- 15 .(b) The word clemency means mercy or lenience. Here intolerance is the nearly opposite meaning.
- 16. (c) The word cajole means to persuade someone to do something by sustained coaxing or flattery. Bully is the nearly opposite meaning.
- 17. (a) Malevolent defines, showing a wish to do evil to others. Kindly is the most appropriate opposite.
- 18. (b) Purgatory means a place or state of suffering inhabited by the souls of sinners who are expiating their sins before going to heaven. Therefore celestial is the right opposite word.
- 21. (b) The sentence means, Mother Bear never interfers in the food sharing of her cubs.
- 22. (c) The phrase a curtain Lecture means an instance of a wife reprimanding her husband in private.
- 23. (c) Square pegs in round holes means a misfit. So, people in the wrong jobs is the correct option.
- 24. (c) The phrase means good and bad day. E.g., Weal and woe comes in everybody's life. Therefore, in prosperity and adversity is the correct option.
- 25. (d) Globetrotter is a person who travels widely.
- 26. (c) Connoisseur is an expert judge in matters of taste. E.g., A connoisseur of music.
- 27. (c) Munificent in its adjective form means characterised by or displaying great generosity.
- 28. (a) Equanimity means calmness and composure, especially in a difficult situation.
- 29. (c) Veterinary: Relating to the diseases, injuries and treatment of farm and domestic animals.
- 30. (b) Work done by A in 2 days =  $\frac{1}{20} \times 2 = \frac{1}{10}$

Work done by A, B and C in one day =  $\frac{1}{20} + \frac{1}{30} + \frac{1}{60}$ 

$$=\frac{3+2+1}{60}=\frac{6}{60}=\frac{1}{10}$$

Work done in three days (When A is assisted by B and

C on every third day) = 
$$\frac{1}{10} + \frac{1}{10} = \frac{2}{10} = \frac{1}{5}$$

Hence required number of days =  $5 \times 3 = 15$  days.

31. (c) Distance covered by man = D km Speed of Man in still water = x kmph

Speed of current = 
$$\frac{28}{3}$$
 kmph

According to question,

$$\frac{D}{\frac{28}{3} - x} = 3 \left( \frac{D}{\frac{28}{3} + x} \right)$$

$$\Rightarrow \frac{28}{3} + x = 3 \left( \frac{28}{3} - x \right)$$

$$\Rightarrow 4x = 2 \times \frac{28}{3}$$

$$\Rightarrow x = \frac{14}{3} \text{ or } 4\frac{2}{3} \text{ Kmph}$$

32. (c) Let speed of stream be x Kmph. Then,

$$\frac{26}{10+x} = \frac{14}{10-x}$$
$$260-26x = 140+14x$$
$$40x = 120$$
$$x = 3$$

Speed of stream is 3 Kmph.

33. (a) S.I. = 
$$2P - P = P$$

$$P = \frac{P \times R \times 16}{100}$$

$$R = \frac{25}{4}\%$$

(S.I) For 8 years = 
$$\frac{P \times \frac{25}{4} \times 8}{100} = \frac{P}{2}$$

Amount = 
$$P + \frac{P}{2} = \frac{3P}{2}$$

Amount increased by 1½ times.

34. (b) 
$$926.1 = 800 \left( 1 + \frac{10}{2} \right)^{2t}$$

$$\frac{9261}{8000} = \left(\frac{21}{20}\right)^{2t}$$

$$\left(\frac{21}{20}\right)^3 = \left(\frac{21}{20}\right)^{2t} \Rightarrow t = \frac{3}{2} \text{ years or } 1\frac{1}{2} \text{ years.}$$

35. (d) Let x be the cost price of T.V.

$$loss = 15\%$$

then, 
$$S.P._1 = x - 15\%$$
 of  $x = 0.85x$ 

Profit = 
$$15\%$$

then, 
$$S.P_2 = x + 15\%$$
 of  $x = 1.15x$ 

total S.P = 
$$0.85 x + 1.15x = 2x$$

$$Profit = 2x - 2x = 0$$

No profit, no loss

36. (c) Let D Km be the distance between A and B.

$$\frac{D}{25} + \frac{D}{4} = 5\frac{48}{60}$$

$$\frac{4D + 25D}{100} - \frac{29}{5}$$

$$\frac{29D}{100} = \frac{29}{5}$$

 $D=20 \,\mathrm{Km}$ 

37. (\*) Let 'x' be the length of the train.

Let 'S' be the speed of train.

Distance travelled by train to cross the platform

$$=(x+200)m$$

According to question

$$(x + 200) = S \times 10 \text{ sec.}$$

Distance travelled by train to cross he telegraph post =x m

...(1)

According to question

$$x = S \times 5 \text{ sec.} \qquad \dots (2)$$

Puting 'x' value in (1) from (2)

$$(5S + 200) = 10S$$

$$200 = 10S - 5S = 5S$$

$$S = 40 \text{ m/s}$$

$$S = \frac{\cancel{40} \times 18}{\cancel{5}} = 144 \text{ km/hr}.$$

None of the option is matching.

38. (c) Let x and y be the rate of sugar per Kg and quantity of sugar.

$$xy = \left(x + \frac{20}{100} \times x\right) y'$$

$$xy = \frac{6x}{5}y'$$

$$y' = \frac{5}{6}y = y - \frac{y}{6}$$

Reduction in consumption  $=\frac{100}{6} = 16\frac{2}{3}\%$ 

39. (d) 
$$A = B - 20\%$$
 of  $B = 0.8$  B

$$B = C - 15\%$$
 of  $C = 0.85$  C

$$A = 0.8 \times 0.85 C = 0.68 C$$

$$\frac{C-A}{A} \times 100 = \frac{C-0.68C}{0.68C} \times 100 = \frac{32}{68} \times 100 = 47.05\%$$

40. (d) Let total weight of 5 men be x kg and weight of new man y kg.

$$\frac{x - 60y + y}{5} = \frac{x}{5} + 2$$

$$\Rightarrow \frac{x}{5} - 12 + \frac{y}{5} = \frac{x}{5} + 2$$

$$\Rightarrow$$
 y = 70 kg

weight of new man = 70 kg

41. (c) 
$$\frac{1}{A} + \frac{1}{B} = \frac{1}{18}$$
 ...(1)

$$\frac{1}{B} + \frac{1}{C} = \frac{1}{24}$$
 ...(2)

$$\frac{1}{C} + \frac{1}{A} = \frac{1}{36}$$
 ...(3)

Adding eqn. (1), (2) and (3)

$$2\left(\frac{1}{A} + \frac{1}{B} + \frac{1}{C}\right) = \frac{1}{18} + \frac{1}{24} + \frac{1}{36}$$

$$\frac{1}{A} + \frac{1}{B} + \frac{1}{C} = \frac{1}{16}$$
 ...(4)

Subtract eqn. (3) from (4)

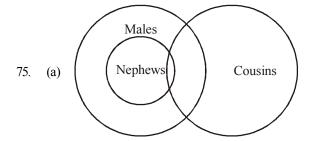
$$\frac{1}{B} = \frac{1}{16} - \frac{1}{36} = \frac{5}{144}$$

B alone can finish work in  $\frac{144}{5} = 28\frac{4}{5}$  days

- 42. (b) A political party is officially accorded the status of an opposition party in Lok Sabha, only if it secures at least 10 percent of the seats.
- 46. (c) Nigeria is considered free of Ebola transmission by WHO.
- 47. (b) India won 57 medals (11 gold, 10 silver, 36 bronze).
- 49. (d) Nirbhay is the first Indian long-range subsonic cruise missile developed by Defence Research & Development Organisation (DRDO). This missile can be launched from multiple platforms like, air, land. Nirbhay missile's flight test was successfully completed in October 2014.
- 50. (a) The branch of science that studies cells is called Cytology.
- 51. (d) Twenty one Vice Presidents are elected at the start of each regular session of General Assembly.
- 52. (c) Khan Abdul Gaffar Khan was another foreigner who received Bharat Ratna. He was the foremost 20th-century leader of the Pashtuns (a Muslim ethnic group of Pakistan and Afghanistan), who became a follower of Mahatma Gandhi and was called the "Frontier Gandhi."

- 53. (a) Sir Chandrasekhara Venkata Raman, was an Indian physicist, whose ground breaking work in the field of light scattering earned him the 1930 Nobel Prize for Physics. He discovered that, when light traverses a transparent material, some of the deflected light changes in wavelength. This phenomenon is now called Raman scattering and is the result of the Raman Effect.
- 54. (a) The Asian Development Bank is a regional development bank established on 22 August 1966 which is headquartered in Metro Manila, Philippines, to facilitate economic development in Asia.
- 55. (a) K-15 Sagarika is a nuclear-capable submarine-launched ballistic missile with a range of 700 kilometres (435 mi). It belongs to the K Missile family and forms a part of India's nuclear triad, and will provide retaliatory nuclear strike capability.
- 56. (a) India agreed to remain a member of the UNCCT at the offer of UN Chief Ban Ki Moon. The UNCCT was established in 2011 within the United Nations Counter-Terrorism Implementation Task Force (CTITF), under the leadership of the CTITF, to assist in meeting capacity-building needs of Member States, and to strengthen United Nations' counter-terrorism expertise. The Centre engages with the over 30 CTITF entities with expertise on a broad spectrum of counter terrorism related issues.
- 57. (a) Kaziranga National Park is a national park in the Golaghat and Nagaon districts of the state of Assam, India. A World Heritage Site, the park hosts two-thirds of the world's great one-horned rhinoceroses.
- 58. (d) Khashaba Dadasaheb Jadhav (born January 15, 1926-August 14, 1984) was an Indian athlete. He is best known as a wrestler who won a bronze medal at the 1952 Summer Olympics in Helsinki.
- 59. (b) M. A. Ansari was the Congress President at the Madras session of 1927, when it boycotted the Simon Commission.
- 60. (c) Ashoka invaded Kalinga in 261 B. C. In this war more than 2 lakh people died, wounded and made prisoners in war. Such a huge carnage and massacre of human lives and the sufferings of the wounded made a deep impression on Ashoka's mind. So he decided to spare his life to the spread of Buddhism around the world.
- 62. (d) The Jama 'at-Khana-Masjid or Khilji mosque was built in 1325 by Khizr Khan, son of Alauddin Khilji while all the other monuments were built by Allauddin Khilji.
- 63. (a) During the invasion Alexander, Nanda dynasty was ruling the North India in the Magadha empire.
- 64. (d) Agni-VI is an intercontinental ballistic missile being developed by the Defence Research and Development Organisation (DRDO) for the use of the Indian Armed Forces. Agni-VI will be a three-stage intercontinental ballistic missile, which is in the hardware development phase, after its design phase was completed.

- 65. (b) Kosuke Hagino, 20, won medals in all seven events he competed in, winning gold in the men's 200m freestyle, 200m and 400m individual medleys, and the 800m freestyle relay, in addition to one silver in the 400m freestyle and two bronze medals in the 100m and 200m backstroke events.
- 66. (d) Second is another name for the first.
- 67. (a) Ignominy is the result of disloyalty. Fame is the result of heroism.
- 68. (d) Loath and Reluctant are synonyms. Coercion and Persuasion are synonyms.
- 69. (c) Second is the past of first.
- 71. (d) Some doctors may be married people. All doctor, married people are human being.
- 73. (a) All thiefs are criminal. No criminal is police.
- 74. (d) Some workers are man. No man is garden.



- 81. (d) (I → x) line is rotating 135° anticlockwise.
  - ( ) line is rotating 45° clockwise.
  - (I → x) line is changing its design at third and fifth step.
- 82. (c) Each branch is rotating 45° anticlock-wise and new branch is added in each step.
- 83. (c) Form (1) to (2)

Small circle shifts three steps anticlockwise. New image gets added behind small circle.

from (2) to (3).

Small circle and star shifts two steps anticlockwise. New image gets added ahead of small circle.

From (3) to (4)

Small circle, star and cross shifts three steps anticlockwise and new image added behind of small circle.

From (4) to (5)

Small circle, star, cross and eual to shifts two steps anticlockwise and new image added ahead of small circle.

From (5) to answer will be



84. (c) From (1) to (2), all images change their position as well as gets inverted.



From fig. (2) to (3), pattern follows Image gets inverted as well as change their position.



Same pattern follows till (5).

Now, from figure (5) to Answer figure. Pattern follows.



- 85. (d) Dots shifts two steps clockwise in each step, everytime one arrow gets reduced in Horizontally and lines changes its position also.
- 86. (c) All except Oliver Twist are works of Shakespeare, while Oliver Twist is a work of Charles Dickens.
- 87. (d) All except Montgomery were Admirals. Nimitz was U.S. Admiral, Yamamoto was Japanese Admiral and Nelson was British Admiral, while British Admiral, while Montgomery was British Field Marshal.
- 88. (c) All except Simmer are connected with light, while simmer is a way of cooking.
- 89. (c) All others are hills located in India.
- 90. (c) All except Walrus are fur-bearing animals.
- 91. (c) In all other options line with arrow is shifting three steps forward clockwise, while in option (c) it is shifting two steps forward clockwise.
- 92. (d) In option (d) curves in vertical line are not following pattern.
- 93. (a) In all other options arrow cuts on the line and dot is shifting 90° anti clockwise.
- 94. (a) Designs are not following the pattern.
- 96. (a)



Pattern follows (1) to (2)

and after they change the diagonal of the respective image have one less than shapes.

- 99. (d) Lower portion of the figure (1) remains same while upper portion gets inverted in the figure (2).
- 100. (c) Figure (1) gets inverted by 180° then its mirror image is formed in 2nd figure. Hence (c) is the correct choice.