24277

AFCAT X   **BOOKLET SERIES 'A'**

INSTRUCTIONS FOR CANDIDATES   **TIME ALLOTTED – 2 HRS.**

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 on the Question Paper or make any mark on it.
4. Question Paper is to be returned before leaving the Exam Hall.

Q1-6. Select the most appropriate word from the options against each number:-

Science has made an __1__ contribution to the relief of human suffering and humanity __2__ a deep __3__ of gratitude to scientists whose __4__ and sacrifices have led to many __5__ discoveries and inventions which have done so much to __6__ human pain and misery.

Q1.	(a) excessive	(b) enormous	(c) intensive	(d) active
Q2.	(a) feels	(b) offers	(c) owes	(d) acknowledges
Q3.	(a) amount	(b) fund	(c) loan	(d) debt
Q4.	(a) labours	(b) discoveries	(c) achievements	(d) successes
Q5.	(a) strange	(b) useful	(c) advantageous	(d) profitable
Q6.	(a) decrease	(b) disappears	(c) alleviate	(d) belittle

Q7- 9. Read the following passage carefully and answer the questions given below it:-

Language is often used for one of the following three purposes, namely, to inform, to convince and to persuade. The first, requiring talent of telling what we know, is a matter of little difficulty. The second demands reasoning. The third, besides reasoning, demands all the aid that we can obtain from the use of figures of speech or figures of rhetoric, which means the power of persuasion.

Q7.   Rhetoric is the
    (a)   art of reasoning   (b)   use of figure of speech
    (c)   power of persuasion   (d)   means of communicating information

Q8.   The art of persuasion requires the use of
    (a)   Information and talent feels (b)   reasoning and information
    (c)   figure of speech   (d)   reasoning and figure of speech

Q9.   The above passage is
    (a)   informative (b)   persuasive (c)   convincing (d)   rhetorical

Q10-13. Choose the word which is nearest in meaning to the given word :-

Q10. 'LIBERALISE'
	(a) Resist	(b) Change	(c) Function	(d) Malfunction

Q11. 'PRAGMATIC'
	(a) Theoretical	(b) Suitable	(c) Realistic	(d) Productive

Q12. 'PRISTINE'
	(a) Fresh	(b) Old	(c) Preserve	(d) Dirty

Q13. 'INTREPID'
	(a) Middle	(b) Tolerant	(c) Rude	(d) Fearless

Q14-17. Choose the word which is nearly opposite in meaning to the given word:-

Q14. 'ANGELICAL'
	(a) Magnanimous	(b) Benevolent	(c) Diabolical	(d) Critical

Q15. 'HAUGHTINESS'
	(a) Affability	(b) Unskilled	(c) Adduce	(d) Abject

Q16. 'BELLOW'
	(a) Tout	(b) Whisper	(c) Stupour	(d) Down

Q17. 'INEQUITY'
	(a) Law	(b) Illegal	(c) Slander	(d) Libel

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Q18-21. Choose the word that best defines the given phrase:-

Q18. Tickled pink
- (a) Greatly pleased
- (b) Coloured
- (c) Deeply upset
- (d) Embarrassed

Q19. Split one's side
- (a) Intense pain
- (b) To laugh a lot
- (c) to be hurt
- (d) None of the above

Q20. Building castles in the air
- (a) Making impossible plans
- (b) Making tall promises
- (c) building skyscrapers
- (d) structures without strong foundation

Q21. At the drop of a hat
- (a) Willingly and softly
- (b) Willingly and immediately
- (c) Willingly and silently
- (d) slowly and silently

Q22-25. Choose the correctly spelt word:-

Q22. (a) Parentheses (b) Parenthsis (c) Parentesis (d) Parenthses
Q23. (a) Verstile (b) Versatile (c) Versetile (d) Versatele
Q24. (a) Hemmorrhage (b) Hemorrhage (c) Haemorrhage (d) Hemmorrage
Q25. (a) Vetnerarian (b) Veternarian (c) Vetrinarian (d) Veterinarian

Q26-29. Which word or words explains the meaning of the following idioms:-

Q26. Airy-Fairy
- (a) Most important (b) Nervous (c) Not practical (d) Confident

Q27. Be given the axe
- (a) To move fast (b) Carpenter (c) Woodcutter (d) To lose job

Q28. To go like a bomb
- (a) Loud explosion (b) To move fast (c) Terrorism (d) Not practical

Q29. Bolt from the blue
- (a) Unexpected (b) Lighting (c) Nervous (d) Sudden

Q30-65. Choose the most appropriate answer

Q30. Which of the following rulers had the title 'Kaviraja'
- (a) Kumaragupta
- (b) Chandragupta
- (c) Skandagupta
- (d) Samudragupta

Q31. The Viceroy who divided Bengal by following the divide and rule policy was:-
- (a) Lord Curzon (b) Lord Ripon (c) Lord Lytton (d) Lord Mayo

Q32. The right to vote in the national elections in India is based on the principle of
- (a) Restricted franchise
- (b) Hereditary privileges
- (c) Property qualifications
- (d) Universal adult suffrage

Q33. Algae often float on surface of water during day but sink during night due to:-
- (a) evolution and trapping of oxygen bubbles during the day in their photosynthesis process
- (b) Becoming light as they consume most of their food in the night
- (c) warming action of sun during the day
- (d) Release of absorbed air by warming of water

Q34. Who is the author of 'Train to Pakistan':-
- (a) Arun Shourie
- (b) J.N. Dixit
- (c) Khushwant Singh
- (d) Ismat Chugtai

Q35. On which river is Berlin city situated?
- (a) Potomac (b) Irrawaddy (c) Rhine (d) Spree

Q36. The Commonwealth Games Relay Baton has traditionally contained?
    (a)   sand from the last host city
    (b)   a message from the Head of the Commonwealth
    (c)   The Commonwealth Games Motto
    (d)   sand from each competing nation

Q37. Who was the first woman to climb Mount Everest?
    (a)   Junko Tabei   (b)   Tenzing Norgay
    (c)   Aarti Pradhan   (d)   Bachendri Pal

Q38. Who founded the Asiatic Society of Bengal in Kolkata?
    (a)   Warren Hastings   (b)   John Shore
    (c)   Sir William Jones   (d)   Lord Cornwallis

Q39. When is the World Poetry Day recognized by the UNESCO observed?
    (a)   02 February   (b)   30 December   (c)   21 March   (d)   14 February

Q40. In which respect have the Centre-State relations been specifically termed as municipal relations?
    (a)   Centre's control of the State in the legislative sphere
    (b)   Centre's control of the State in financial matter
    (c)   Centre's control of the state in the administrative sector
    (d)   Centre's control of the state in the planning process

Q41. The youngest mountain range in the world is:-
    (a)   Himalayas   (b)   Alps   (c)   Andes   (d)   Rockies

Q42. Who was the first Commander in Chief of Indian Air Force in Independent India?
    (a)   Gen KM Kariyappa   (b)   Field Marshal Sam Manekshaw
    (c)   Major Stringer Lawrence   (d)   Thomas Walker Elmhirst

Q43. What is the 'splash and burn agriculture' in Indonesia called as?
    (a)   Jhoom cultivation   (b)   Roke cultivation
    (c)   Milpa cultivation   (d)   Ladang cultivation

Q44. Which theory gave birth to the French Revolution and the Revolution in America?
    (a)   Legal theory of rights   (b)   Theory of natural rights
    (c)   Social welfare theory   (d)   Historical theory of rights

Q45. 38th parallel is a boundary line between _____.
    (a)   United States and Canada   (b)   Pakistan and India
    (c)   Turkey and Cyprus   (d)   South and North Korea

Q46. 'Satyameva Jayate' is borrowed from which of the following?
    (a)   Mundaka Upanishad   (b)   Mahabharat
    (c)   Ramayana   (d)   Arthshashtra

Q47. Two-third of a consignment was sold at a profit of 5% and the remainder at a loss of 2%. If the total profit was ₹400, what was the value of the consignment?
    (a)   ₹13,000/-   (b)   ₹17,000/-   (c)   ₹15,000/-   (d)   ₹40,000/-

Q48. 7 is added to a certain number, the sum is multiplied by 5; the product is divided by 9 and 3 is subtracted from the quotient. The remainder left is 12. What is the number?
    (a)   20   (b)   30   (c)   40   (d)   5

Q49. A train covers a distance of 10 km in 12 minutes. If its speed is decreased by 5 kmph, what is the time taken by the train to cover the same distance?
    (a)   14 min. 33 sec   (b)   13 min. 33 sec   (c)   13 min. 20 sec   (d)   15 min. 20 sec

Q50. 'A' is thrice as good a workman as 'B', and takes 10 days less to do a piece of work than 'B' takes. How many days will 'B' take to complete if he works alone?
   (a)   21 days   (b)   15 days   (c)   18 days   (d)   24 days

Q51. In Arun's opinion his weight is greater than 65 kg but less than 72 kg. His brother does not agree with Arun and he thinks that Arun's weight is greater than 60 kg but less than 70 kg. His mother's view is that his weight cannot be greater than 68 kg. If all of them are correct in their estimation, what is the average of different probable weights of Arun?
(a) 71 kg   (b) 67 kg   (c) 67.5 kg   (d) 68 kg

Q52. In three annual examinations, of which the aggregate marks of each was 500, a student secured average marks 45% and 55% in the first and the second yearly examinations respectively. To secure 60% average total marks, it is necessary for him in third yearly examination to secure _____ marks.
(a) 300   (b) 350   (c) 355   (d) 400

Q53. A towel was 50 cm broad and 100 cm long. When bleached, it was found to have lost 20% of its length and 10% of its breadth. Find the percentage of decrease in area?
(a) 32%   (b) 28%   (c) 33%   (d) 24%

Q54. How many digits will be there to the right of the decimal point in the product of 95.75 and 0.02554?
(a) 5   (b) 6   (c) 7   (d) Insufficient data

Q55. 'A' and 'B' can do a piece of work in 30 days while 'B' and 'C' can do the same work in 24 days and 'C' and 'A' in 20 days. They all work for 10 days and 'B' and 'C' leave. How many days more will 'A' take to finish the work?
(a) 12 days   (b) 18 days   (c) 20 days   (d) 22 days

Q56. A factory employs skilled workers, unskilled workers and clerks in the proportion 8 : 5 : 1 and the wages of a skilled worker as unskilled worker and a clerk are in the ratio 5 : 2 : 3. When 20 unskilled workers are employed, the total daily wages of all, amount to ₹318. What is the daily wages in ₹ paid to each category of employees?
(a) 240, 57, 19   (b) 210, 70, 13   (c) 230, 65, 12   (d) 240, 60, 18

Q57. A cat takes 5 leaps for every 4 leaps of a dog, but 3 leaps of the dog are equal to 4 leaps of the cat. What is the ratio of the speed of the cat to that of the dog?
(a) 13 : 14   (b) 15 : 11   (c) 17 : 15   (d) 15 : 16

Q58. Ram, Shiv and Ganesh assemble for a contributory party. Ram brings 3 apples while Shiv brings 5. Since Ganesh did not bring any, he contributed ₹8/-. How many rupees should Ram and Shiv respectively get, assuming each of the three consumes an equal portion of the apples?
(a) 1, 7   (b) 2, 5   (c) 5, 3   (d) 2, 6

Q59. A man deposited a total sum of ₹88400/- in the name of his two sons aged 19 and 17 years so that at the age of 21, both will get equal amounts. If the money is invested at the rate of 10% compound interest per annum what are the shares of his two sons?
(a) ₹48200/-   (b) ₹48400/-   (c) ₹42600/-   (d) ₹44200/-

Q60. A train is moving at a speed of 132 kmph. If the length of the train is 110 meters, how long will it take to cross a railway platform 165 m long?
(a) 6.0 secs   (b) 7.5 secs   (c) 7.0 secs   (d) 8.5 secs

Q61. The sum of the number of boys and girls in a school is 150. If the number of boys is x, then the number of girls becomes x% of the total number of students. How many boys are there in the school?
(a) 51   (b) 65   (c) 60   (d) 95

Q62. 'A' scored 30% marks and failed by 15 marks. 'B' scored 40% marks and obtained 35 marks more than those required to pass. What is the pass percentage?
(a) 33%   (b) 40%   (c) 34%   (d) 48%

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Q63. A banker lent ₹6000/- at 10% and ₹5000/- at 12% at the same time and for same period of time. The banker received ₹2400 as total interest on both loans. Find the period for which the banker had lent the amount.
(a) 3 years 6 months   (b) 3 years   (c) 2 years 6 months   (d) 2 years

Q64. Two pipes 'A' and 'B' can fill a tank in 20 and 30 minutes respectively. If both the pipes are used together, then how long will it take to fill the tank?
(a)   12 Min   (b)   15 Min   (c)   25 Min   (d)   50 Min

Q65. Speed of a boat in still water is 9 Kmph and the speed of the stream is 1.5 Kmph. A man rows to a place at a distance of 105 Kms and comes back to the starting point. What will be the total time taken by him?
(a)   16 Hrs   (b)   18 Hrs   (c)   24 Hrs   (d)   28 Hrs

Q66-70. 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.
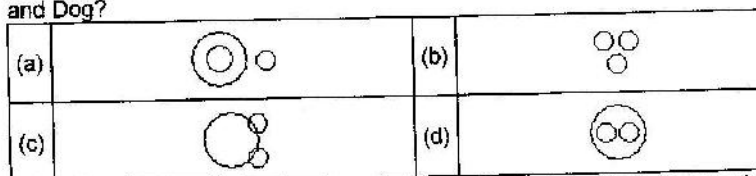
Q66. Which of the following diagrams indicates the best relation between Judge, Thieves and Criminals?
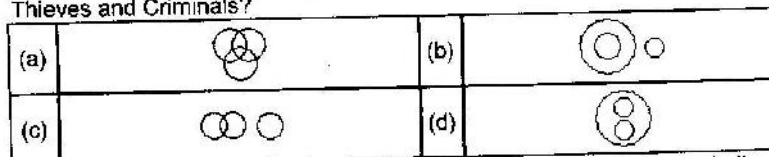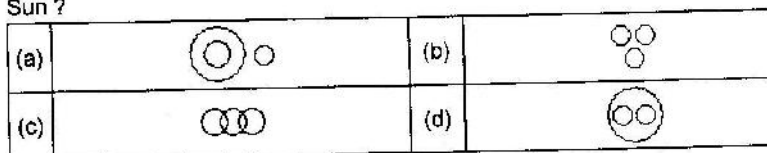

Q67. Which of the following diagrams indicates the best relation between India, Haryana and World?
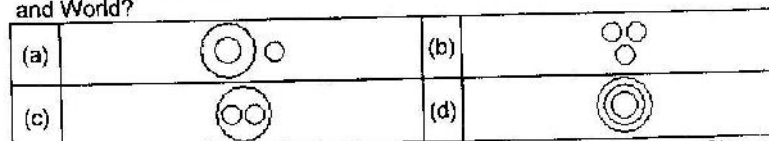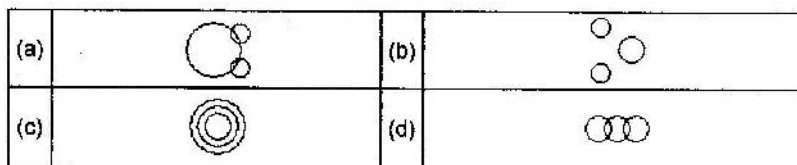

Q68. Which of the following diagrams indicates the best relation between Pigeon, Bird and Dog?

Q 69. Which of the following diagrams indicates the best relation between Earth, Sea and Sun ?

Q70. Which of the following diagrams indicates the best relation between Hockey, Football and Cricket?

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

Q71-75 In each of the following questions find out the alternative which will replace the question mark.

Q71. Carbon: Diamond   Corundum: ------?------
   (a) Garnet   (b) Ruby   (c) Pukhraj   (d) Pearl

Q72. Architect: Building   Sculptor: ------?------
   (a) Museum   (b) Stone   (c) Chisel   (d) Statue

Q73. Eye: Myopia   Teeth ------?------
   (a) Pyorrhoea   (b) Cataract   (c) Trachoma   (d) Eczema

Q74. Conference: Chairman   Newspaper: ------?------
   (a) Reporter   (b) Distributor   (c) Printer   (d) Editor

Q75. Safe: Secure   Protect: ------?------
   (a) Lock   (b) Sure   (c) Guard   (d) Conserve

Q76-80 In each of the following questions, five words have been given out of which four are alike in some manner, while the fifth one is different. Choose the word which is different from the rest.

Q76. (a) Potassium (b) Silicon (c) Zirconium (d) Gallium

Q77. (a) Tea (b) Cinchona (c) Rubber (d) Chalk

Q78. (a) Hangar (b) Platform (c) Dock (d) Park

Q79. (a) Deck (b) Quay (c) Stern (d) Bow

Q80. (a) Tall (b) Huge (c) Thin (d) Sharp

Q81-85 . Choose the most appropriate answer.

Q81. Which one of the following is always with 'Bargain'?
   (a) Exchange (b) Sumptuousness (c) Triviality (d) Eloquence

Q82. Which one of the following a 'Drama' must have?
   (a) Actors (b) Story (c) Sets (d) Director

Q83. A boy is sitting at the back seat of a car. When the driver suddenly starts moving the car (in forward direction), the boy experiences a backward force?
   (a) Always (b) Never (c) Often (d) Sometimes

Q84. Which one of the following is always found in 'Wonder'?
   (a) Crowd (b) Lumber (c) Astonishment (d) Rustic

Q85. 'Disclosure' always involves
   (a) Agents (b) Display (c) Exposition (d) Secrets

Q86-89. 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 Figures. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Q86. Problem Figures: Answer Figures:

(1) (2) (3) (4) (5)   (a) (b) (c) (d)

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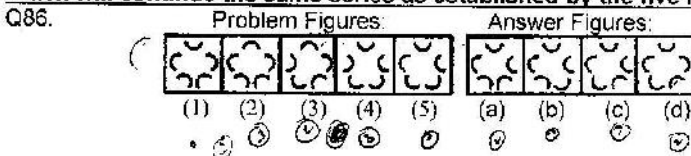
Q87.   Problem Figures: Answer Figures:

(1) (2) (3) (4) (5)   (a) (b) (c) (d)

Q88.   Problem Figures: Answer Figures:

(1) (2) (3) (4) (5)   (a) (b) (c) (d)

Q89.   Problem Figures: Answer Figures:

(1) (2) (3) (4) (5)   (a) (b) (c) (d)

Q90-93.   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).

Q90.   Problem Figures: Answer Figures:

(1) (2) (3) (4)   (a) (b) (c) (d)

Q91.   Problem Figures: Answer Figures:

(1) (2) (3) (4)   (a) (b) (c) (d)

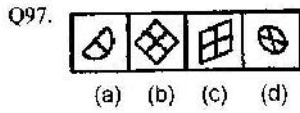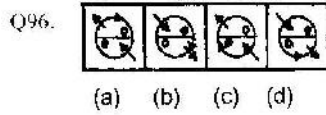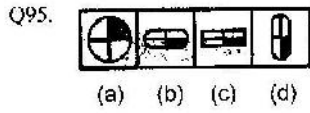Q92.   Problem Figures: Answer Figures:

(1) (2) (3) (4)   (a) (b) (c) (d)

Q93.   Problem Figures: Answer Figures:

(1) (2) (3) (4)   (a) (b) (c) (d)

Q94-97.   In each problem, out of the four figures marked (a) (b) (c) (d) three are similar in a certain manner. However, one figure is not like the other three. Choose the figure which is different from the rest.

Q94.

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

Q95.

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

Q96.

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

Q97.

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

Q98-100. 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.

Q98.

(X)   (a)   (b)   (c)   (d)

Q99.

(X)   (a)   (b)   (c)   (d)

Q100.

(X)   (a)   (b)   (c)   (d)