AFCAT- 2023 MODEL TEST PAPER

Time: 120 min.   M.M.:300

INSTRUCTION: *Read questions carefully. For each wrong answer, one-third (1) of the marks assigned to that question will be deducted. Each question contains (3) marks.*

1. A completes a piece of work in 20 days and B completes the piece of work in 30 days. If both of them work together, how many days will it take?
   (a) 15 days   (b) 12 days
   (c) 6 days   (d) 9 days

2. Ram and Shyam live in city A while Govind lives in city B. They plan to eat at a restaurant which lies in between the cities A and B. The distance between the cities is 1080 km. Ram is traveling 60 km/hr and Govind travels 120 km/hr. They leave at same time 6 AM. After some time Shyam also leaves. They all meet atthe same time. What is the time?
   (a) 3 PM   (b) 12 PM
   (c) 11 AM   (d) 9 AM

3. Anuj's efficiency is 150% of Vinod efficiency. If Anuj can complete a piece of work in 10 days, then how much time (in days) will they both take to complete the same work?
   (a) 10   (b) 8
   (c) 6   (d) 15

4. The salaries of A, B, C are in the ratio 2 : 3 : 5. If the increment of 15%, 10%, and 20% are allowed drespectively in their salaries, then what will be the new ratio of their salaries?
   (a) 3 : 3 : 10   (b) 10 : 11 : 20
   (c) 23 : 33 : 60   (d) 15 : 10 : 20

5. The compound interest on a certain sum for 3 years at 10% per annum is Rs. 500. The simple interest on the same sum for thrice the time at one - third the rate of interest per annum is:
   (a) Rs. 429.73   (b) Rs. 630.57
   (c) Rs. 453.18   (d) Rs. 815.07

6. A boat takes same time to travel 40 km upstream and 60 km downstream. If the speed of the stream is15 km/hr then find the time taken by the boat in one side.
   (a) 2/3 hr   (b) 3/2 hr
   (c) 1/3 hr   (d) 4/9 hr

7. A Rs. 100 shirt is offered at 10% discount and a Rs. 300 pair of trousers at 20% discount. If Pritam bought 1 shirt and 3 pairs of trousers, what is the effective discount (in %) he got?
   (a) 19   (b) 18
   (c) 17   (d) 16

8. A sum of Rs. 12,800 is invested partly at 15% per annum and the remaining at 12% per annum simple interest. If the total interest at end of 3 years is Rs. 5,085, then how much money was invested at 15%per annum?
   (a) Rs. 5,300   (b) Rs. 7,500
   (c) Rs. 5,800   (d) Rs. 5,200

9. A has thrice as much amount as that of B and B has 40% more amount than C. If the average of the amount of all three of them is Rs. 1320, then what amount (in Rs.) A has?
   (a) 2410   (b) 2520
   (c) 2250   (d) 3240

10. A shopkeeper sold two bags for Rs. 2500 Each. He gains 25% on one while on the other he loses 20%.Find whether he made a gain or a loss in the whole transaction and also find the gain/loss percentage.
    (a) 2% loss   (b) 2.43% loss
    (c) 2.5% profit   (d) 2.5% loss

11. Alloy A contains copper and zinc in the ratio 4 : 5 and alloy B contains copper and zinc in the ratio 7 :2. A and B are taken in the ratio 7 : 4 and melted to form a new alloy. The percentage of zinc in the new alloy is closest to: (correct to two decimal places)
    (a) 43.43%   (b) 45.25%
    (c) 47.79%   (d) 47.5%

12. The percentage profit earned by selling an article for Rs. 2076 is equal to the percentage loss in curred by selling the same article for Rs. 1524. At what price should the article be sold to earn a profit of $33\frac{1}{3}$%?
    (a) Rs. 2400   (b) Rs. 2500
    (c) Rs. 2700   (d) Rs. 2860

13. What will come in place of the question mark in the following question? $\left\{\left(\frac{1}{2} \times 8\frac{9}{11}\right) + 6\frac{5}{22}\right\} \times 2 + 1\frac{5}{11} = ?$
    (a) $37\frac{3}{11}$ (b) $12\frac{3}{11}$
    (d) $22\frac{8}{11}$ (d) $27\frac{3}{7}$

14. What will come in the place of question mark (?) in the given question? $(420 \div 12 \times 35 + 45^2 - 15^2) = ?^2$

(a) 25   (b) 55
(c) 35   (d) 45

15. A got 60% total number of casted votes and won the election. B got 30% of remaining casted vote sand other 70% votes of remaining are of NOTA. The 40000 voters did not come to vote which is 20%total eligible voters of city for election. The difference between the NOTA and the number of votes cast for B is–
(a) 24500   (b) 35000
(c) 27900   (d) 25600

16. The swimming speed of a person in still water is 6 km/hr. He swims upstream for 20 minutes and then downstream for 15 minutes. If he swims for 5 minutes more upstream, he will reach the starting point. Find the speed of current.
(a) 2.5 km/hr   (b) 2 km/hr
(c) 3 km/hr   (d) 1.5 km/hr

17. In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. If the student attempts all 60 questions and scores 130 marks, the number of questions correctly answered is
(a) 35   (b) 38
(c) 40   (d) 42

18. The average weight of 103 notebooks in a box is 10.3 kg. When a new notebook is added to the box, the average weight goes up to 10.4 kg. Tell the weight of the new notebook.
(a) 20.7 kg   (b) 20.3 kg
(c) 20.5 kg   (d) 20.9 kg

19. **Direction:** Select the option that is similar in meaning to the given word and mark your response accordingly.
Hampered
(a) Hindered   (b) Controlled
(c) Aided   (d) Helped

20. In the following question, out of the four alternatives, select the one which best expresses the meaning of the given word.
Transient
(a) Momentary   (b) Mediocre
(c) Morbid   (d) Jargon

21. Out of the four alternatives, choose the one which best expresses the meaning of the given word.
Laconic
(a) Concise   (b) Talkative
(c) Verbose   (d) Chatty

22. In the following question, out of the four alternatives, select the word opposite in meaning to the word given.
Intrepid
(a) Greed   (b) Kind
(c) Meek   (d) Sigh

23. Choose the word that is opposite in meaning to the given word.
Mull

(a) Ignore   (b) Consider
(c) Delay   (d) Deliberate

24. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
at one's beck and call
(a) Ready to obey someone
(b) A good thing that initially seemed bad
(c) To make a bad situation even worse
(d) Doing something at a moment's notice

25. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To draw a bead on
(a) To aim at someone
(b) Taking risky shortcuts to save time and/or money
(c) To be exactly right
(d) Not holding someone responsible for something

26. **Directions: Select the most appropriate option to fill in the blank.**
According to experts, some sectors remain _____ during these difficult times, including banking and financial services, FMCG, food, and technology.
(a) Repentant   (b) Redundant
(c) Repugnant   (d) Resilient

27. **A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.**
Lawyers are often born with the _____ .
(a) Gift of the gab
(b) Hitting the nail on the head
(c) On the ball
(d) Cutting corners

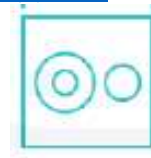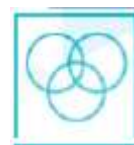**Direction: Choose the most appropriate answer and fill in the blanks:**

28. He is a fraid _____ the dog.
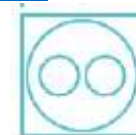(a) Of   (b) To
(c) For   (d) None of these

29. Identify the Venn diagram that best represents the relationship among classes given below.
Wood, woodblocks, woodcock
(a)   (b)

(c)   (d)

30. Rearrange the jumbled-up letters in their natural sequence and find the odd one out.

2

(a) IKHUSO   (b) GEIRAM
(c) OKIHNOC   (d) LEFARA

31. Select the word that is related to the third word in the same way as the second word is related to the first word. Cow: herd: : Dolphin: ?
(a) Pods   (b) Dole
(c) Brace   (d) Bed

32. Select the word that is related to the third word in the same way as the second word is related to the first word.
          : Poem :: Fable : Story
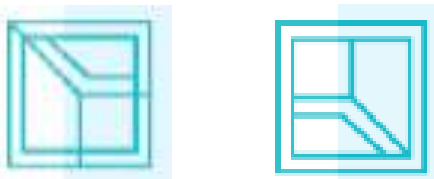(a) Syllables   (b) Haiku
(c) Mythos   (d) Allegory

33. Select the option that is related to the third term in the same way as the second term is related to the first term.
GOVERNMENT: OGVENRMETN::
CONTINUOUS: ?
(a) ONTICUOSUN   (b) OCNTNUIOSU
(c) OTINCUOSNU   (d) OCNTNIUOSU

34. Which answer figure will complete the pattern in the following question figure?

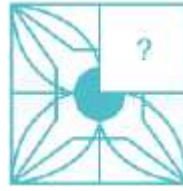(a)   (b)

(c)   (d)

35. Identify the Venn diagram that best represents the relationship among classes given below.
boys, engineer, employee
(a)   (b)

(c)   (d)

36. Which answer figure will complete the pattern in the following question figure?

(a)   (b)

(c)   (d)

37. Some images are given below. Identify the odd image.
(a) A   (b) B
(c) C   (d) D

38. Select the options in which the given figures is embedded (rotation is NOT allowed).
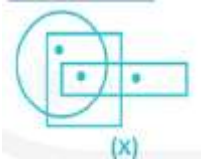
(a)   (b)

(c)   (d)

39. From the given figures, select the figure which satisfies the same conditions as the placement of the dots in the given figure?

(a) Both A and B   (b) Both C and D
(c) Both A and C   (d) Both B and C

40. From amongst the figures marked (A), (B), (C) and (D), select the figure which satisfies the same conditions of placement of dots as in figure (X).
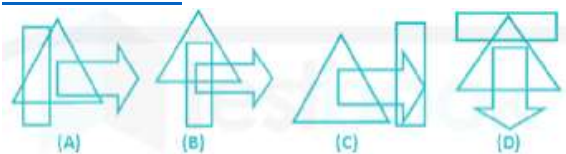Problem Figure

3

(X)

(A)　(B)　(C)　(D)

(a) A　　　　　　　　　(b) C
(c) D　　　　　　　　　(d) B

41. From amongst the figures marked (A), (B), (C) and (D), select the figure which satisfies the same conditions of placement of dots as in figure (X). Problem Figure:
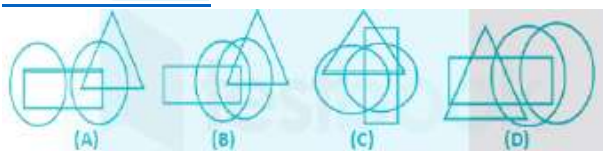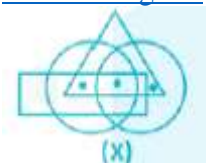

(X)

(A)　(B)　(C)　(D)

(a) C　　　　　　　　　(b) A
(c) B　　　　　　　　　(d) D

42. From amongst the figures marked (A), (B), (C) and (D), select the figure which satisfies the same conditions of placement of dots as in figure (X). Problem Figure:

(X)

(A)　(B)　(C)　(D)

(a) A　　　　　　　　　(b) D
(c) B　　　　　　　　　(d) C

43. From amongst the figures marked (A), (B), (C) and (D), select the figure which satisfies the same conditions of placement of dots as in figure (X). Problem Figure:
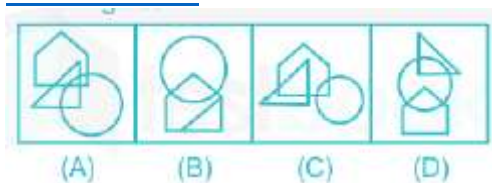

(X)

(A)　(B)　(C)　(D)

(a) D　　　　　　　　　(b) B

(c) A　　　　　　　　　(d) C

44. From amongst the figures marked (A), (B), (C) and (D), select the figure which satisfies the same conditions of placement of the dots as in figure (X).

Problem Figure
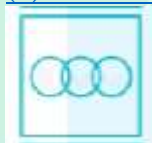

(X)

(A)　(B)　(C)　(D)

(a) D　　　　　　　　　(b) C
(c) B　　　　　　　　　(d) A

45. Which of the following answer figures indicates best relation between aeroplanes, train travel?

(a)　　　　　　　　(b)

(c)　　　　　　　　(d)

46. Select the word that is related to the third word in the same way as the second word is related to the first word.
Argentina: Brazil:: Iran : ?
(a) Afghanistan
(b) Turkey
(c) Iraq
(d) Syria

47. Choose the figure which is different from the rest.

(a)　　　　　　　　(b)

(c)　　　　　　　　(d)

48. Which answer figure will complete the pattern in the following question figure?

(a) (b)

(c) (d)

49. Identify the Venn diagram that best represents the relationship among classes given below.
singer, boy, athlete

(a) (b)

(c) (d)

50. Select the one which is different from the other three responses.
(a) Energy (b) Erg
(c) Power (d) Pressure
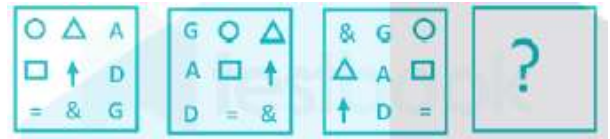
51. Choose the odd pair of words.
(a) Principal – school (b) Patient - hospital
(c) Victim – court (d) Criminal - prison

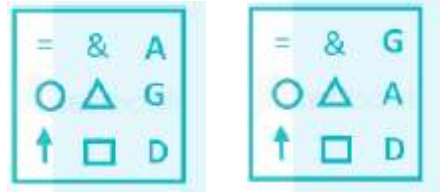52. There are the following figures are alike in a creation way and one is different Select the odd one.
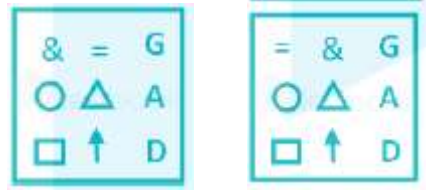
(a) (b)

(c) (d)

53. Select the option that will correctly fit in the blank space in the given figure series.

(a) (b)

(c) (d)

(c) (d)

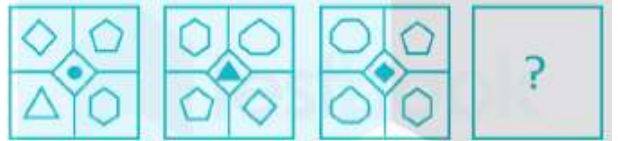54. Select the figure that will come next in the following series.

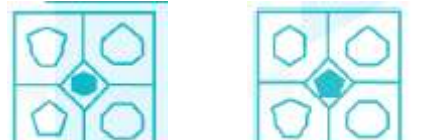

(a) (b)

(c) (d)

(c) (d)

55. Select the option that will correctly fit in the blank space in the given figure series.
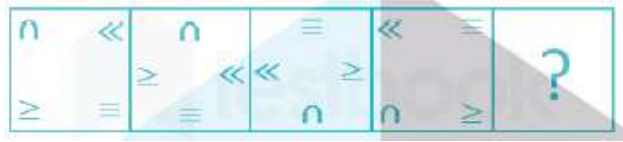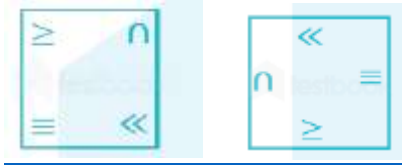

(a) (b)

(c) (d)

56. Select the figure that will come next in the following series.

5

(a)   (b)

(c)   (d)

57. Select the figure that will come next in the following series.

(a)   (b)

(c)   (d)

58. Identify the Venn diagram that best represents the relationship among classes given below.
employed, graduate, computer-skilled

(a)   (b)

(c)   (d)

59. Three of the following four words are alike in a certain way and one is different. Pick the odd wordout.
(a) Mouse   (b) Grinder
(c) Keyboard   (d) Charger

60. Choose the odd one out.
(a) Brass   (b) Aluminium
(c) Copper   (d) Silver

61. Choose the correct prepositions from the given options and mark the appropriate option. At last he yielded_____ the temptation.
(a) About   (b) On
(c) For   (d) To

62. **Choose the appropriate prepositional phrase for the given sentence.**
She wiped her lipstick off_____.
(a) In a tissue   (b) With a tissue
(c) By the tissue   (d) With an tissue

63. **Directions: The sentence below has four parts (A, B, C, and D). One part has a grammatical error. Identify the part.**
He has been spending (A)/ a lifetime (B)/ imbibing (C)/ his local club's history. (D)
(a) A lifetime
(b) Imbibing
(c) He has been spending
(d) His local club's history

64. **Direction: Select the segment of the sentence that contains the grammatical error. If there is no error, mark 'No error' as your answer.**
The news of his (A)/ accident was not (B)/ declared so far. (C)/ No error (D)
(a) A   (b) B
(c) C   (d) D

65. **In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'**
It is me(A)/ who am is(B)/ sorry.(C)/No error(D)
(a) C   (b) A
(c) D   (d) B

Direction: Read the following passage and answer the questions below.
In 490 BC there was a big war between the Persians and the Greeks. Persia was a huge empire, much bigger than Greece. It wanted to capture Athens. The Greek soldiers waited on top of the hill while the Persian army waited on the plain of Marathon below. There were 48,000 Persian soldiers and only 10,000 Greek soldiers. The Greeks sent a messenger, Pheidippides, to Sparta to get help. He ran for two days over the mountains to ask the Spartans. But the Spartans would not fight until there was a full moon. Pheidippides returned to Marathon alone. The Greeks could not wait and attacked the Persian army. The Greeks ran towards the enemy. Persian arrows flew through the air on the Greek soldiers. Despite that, the Greeks won; 6,400Persians were killed but only 192 Greeks died.
The Persians ran to their ships and tried to escape. They tried to go to Athens to capture the Greek women, children and old people waiting

there. Pheidippides now had another job. He ran 40 kilo metres to Athens to tell the Greeks that they had won and to tell them that the Persians were coming. He arrived at the city gates very tired. 'Rejoice, we conquer!' he shouted. Then he died. From this great event, the first marathon race of the modern Olympic Games was run in 1896. It was won by a Greek runner, Spiridon Louis. And, like Pheidippides a long time before, he also carried messages. He was a postman.

66. The messenger, Pheidippides ran 40 kilo metres to Athens _____
(a) To inform them that they have won the battle against Spartans
(b) To send some wealth for their upcoming war with Persians
(c) To tell the Greeks about their victory and arrival of Persians
(d) To tell the Athenians that they must help Spartans in this war

67. Which of the following statements is incorrect according to the given passage?
(a) Greek arrows flew through the air on the Persian soldiers.
(b) The Persians ran to their ships and tried to escape.
(c) The first marathon race of modern Olympic was won by a Louis.
(d)The Greeks could not wait and attacked the Persian army.

68. Why did the Marathon war break out between Persia and Greeks?
(a) Because Greece wanted to rule on Persia and increase its power
(b) Because Persia was very prosperous empire and Greeks wanted its wealth
(c) Because Persia was a huge empire and it wanted to capture Greece
(d) Because Greece attacked Persia to avenge its defeat from Persians

Direction: In the following passage, some of the words have been left out. Read the passage carefully and choose the answer for the given blank out of the four alternatives.
On 20th July, Nirmala Sitharaman, Finance Minister of India, _____ (69) _____ the nod of the Indian Parliament soas to spend an additional Rs 23,675 crore in the current financial year including Rs 17,000 crore for the HealthMinistry. To meet the various issues related _____ (70) _____ Covid and other health preparedness, Rs 16,463 croreextra spending has been _____ (71) _____ for the health and family welfare department.

69. (a) Amazed   (b) Arranged
(c) Organized   (d) Sought

70. (a) To   (b) With
(c) Across   (d) None of these

71. (a) Issue   (b) Issued

(c) Issuing   (d) Issues

72. Select the meaning of the given idiom.
An iron-will
(a) An iron – will   (b) No longer in use
(c) By all means   (d) A firm opinion

73. Select the meaning of the given idiom
All Greek to me
(a) Very dear
(b) Out of danger
(c) Consulting seriously
(d) Incomprehensible

74. **Direction**: Choose the word almost opposite in meaning to the word given below:
Probity
(a) Dishonesty   (b) Timidity
(c)Integrity   (d) Insincerity

Direction: Fill in the blank with correct phrasal verb from the options provided below:
75. The boss simply could not _____his Inefficiency any more.
(a) Put off   (b) Put up with
(c) Put down   (d) Put across

76. Which currency has not been correctly matched with its country?
(a) Albania-Lek   (b) Cambodia-Riel
(c) Ethiopia-Birr   (d) Finland-Pound

77. Jab term is related to which game?
(a) Basket ball   (b) Boxing
(c) Chess   (d) Football

78. Chhatrapati Shivaji Maharaj founded and consolidate the Maratha Empire in 1674 with which of thefollowing places as its capital?
(a) Pratapgad   (b) Daulatabad
(c) Raigad   (d) Singhad

79. When women participated for the first time in Olympics?
(a) 1896   (b) 1900
(c) 1904   (d) 1924

80. Which of the following group has launched a plan named 'Global Shield' at the 27th UN Climate Change Conference?
(a) G20   (b) G7
(c) QUAD   (d) SCO

81. Which among the following has signed an MoU with the Reserve Bank of India (RBI) for collaboration in the field of regulation and supervision of regulated entities in their jurisdictions?
(a) Brigade International Financial Center
(b) International Financial Services Centres Authority
(c) Share India Securities Private Limited
(d) Bombay Stock Exchange

82. Recently, the Uttarakhand Government decided to shift the Uttarakhand High Court from Nainital to which of the following places?
(a) Dehradun
(b) Rishikesh
(c) Haridwar
(d) Haldwani

83. Where was Indigo movement started in Bengal?
(a) Nadia   (b) Alipore

(c) Howrah   (d) Calcutta

84. Which is a water- soluble Vitamin?
   (a) Vitamin A   (b) Vitamin C
   (c) Vitamin D   (d) Vitamin K

85. The first Chairman of finance commission of India was
   (a) K. Santhanam   (b) A.K. Chanda
   (c) K.C. Niyogi   (d) Y.B. Chavan

86. Which of the following rivers forms the famous Dhuandhar falls?
   (a) Narmada   (b) Kali Sind
   (c) Chambal   (d)Tapi

87. When was the National Anthem adopted by the Constituent Assembly?
   (a) 24 January, 1950
   (b) 26 January, 1950
   (c) 15 August, 1947
   (d) 26 January, 1948

88. Who among the following was a famous Sitar player?
   (a) Ali Akbar Khan   (b) Alla Rakha
   (c) Zakir Hussain   (d) Pt. Ravi Shankar

89. Who was the first woman judge of Supreme Court of India?
   (a) Fathima Beevi   (b) Rama Paul
   (c) Sujata Manohar   (d) None of the above

90. The founder of Haryanka Dynasty was _____.
   (a) Bimbisara   (b) Ajatshatru
   (c) Brihadaratha   (d) Amatya

91. Ain-i Akbari written by Abul Fazl that deals with records of administrative arrangements in MedievalIndia was part of which of these texts?
   (a) Akbarnama
   (b) Tabakat-i-Akbari
   (c) Bhaktamal
   (d) Takmila-i-Akbarnama

92. The Advanced Light Helicopter designed and developed by HAL is also known as
   (a) Tejas   (b) Dhruv
   (c) Chetak   (d) Rudra

93. The Montreal Protocol is related to which of the following?
   (a) Conservation of wetlands
   (b) Substances that Deplete the Ozone Layer
   (c) Persistent organic pollutant
   (d) Space debris

94. How many languages have been listed in 8th schedule of Indian constitution?
   (a) 18   (b) 22
   (c) 15   (d) 14

95. Sardar Sarovar dam is built across which river?
   (a) Narmada   (b) Tapi
   (c) Mahi   (d) Karjan

96. Which of the following was NOT a part of the 'Navratna' at Vikramaditya's court?
   (a) Surdas   (b) Vararuchi
   (c) Kshapanaka   (d) Kalidasa

97. Which of the following Mughal Emperors shifted his imperial court and residence from Agra to Sikri,later renamed as Fatehpur Sikri?
   (a) Akbar   (b) Jahangir
   (c) Shahjahan   (d) Aurangzeb

98. First Indian female athlete to win the first gold medal in the Commonwealth?
   (a) Vinesh Phogat   (b) Manika Batra
   (c) Geeta Phogat   (d) PV SIndhu

99. America Cup is associated with which game?
   (a) Baseball   (B) Football
   (c) Swimming   (d) Sailing

100. Which is the green planet in the solar system?
   (a) Earth   (b) Jupiter
   (c) Uranus   (d) Saturn

AFCAT- 2023 MODEL TEST PAPER
ANSWER KEY

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