

AFCAT MODEL QUESTION PAPER – 2**INSTRUCTIONS FOR CANDIDATES**

- 1. Total Number of Questions – 100. Each Question is of three marks.**
 - 2. One mark will be deducted for every wrong answer.**
 - 3. No mark will be deducted for un-attempted question.**
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1. Read the following passage carefully and answer the question given below it.

As the rulers of the planet, human beings like to think that it is the large creatures who will emerge victorious in the struggle for survival. However, nature teaches us the opposite. It is often the smallest species which are the toughest and most adaptable. A perfect example is the hummingbird, which is found in the American countries. One species of hummingbird is known as the bee hummingbird which ranks as the world's smallest and lightest bird and it is barely visible when it is in flight. Hummingbirds are the only birds that can fly backwards. They feed mainly on the nectar of flowers, a liquid that is rich in energy. Nectar is an ideal food source, for hummingbirds need an incredible amount of energy to sustain their body metabolism. A hummingbird's wings flap at a rate of about 80 times per second and its tiny heart beats more than 1000 times per minute. This is why they must consume relatively large quantities of food. In the course of a day, a hummingbird consumes nectar as much as half its body weight. The beauty of Nature is the uniqueness of her creation to adapt in any condition.

Which of the following statements about the bee hummingbird is true? (Choose your answer from the given options)

- A. It is obviously visible when it flies
- B. It escapes our sight when it is in flight
- C. It can fly high beyond the clouds
- D. It subsists on pollens

2. Read the following passage carefully and answer the question given below it.

As the rulers of the planet, human beings like to think that it is the large creatures who will emerge victorious in the struggle for survival. However, nature teaches us the opposite. It is often the smallest species which are the toughest and most adaptable. A perfect example is the hummingbird, which is found in the American countries. One species of hummingbird is known as the bee hummingbird which ranks as the world's smallest and lightest bird and it is barely visible when it is in flight. Hummingbirds are the only birds that can fly backwards. They feed mainly on the nectar of flowers, a liquid that is rich in energy. Nectar is an ideal food source, for hummingbirds need an incredible amount of energy to sustain their body metabolism. A hummingbird's wings flap at a rate of about 80 times per second and its tiny heart beats more than 1000 times per minute. This is why they must consume relatively large quantities of food. In the course of a day, a hummingbird consumes nectar as much as half its body weight. The beauty of Nature is the uniqueness of her creation to adapt in any condition.

Nature has made man realise the fact that _____. (Choose your answer from the given options)

- A. the large creatures emerge victorious in the struggle for survival
- B. the largest species are usually strong, hence survives
- C. humans who rule the planet are the most powerful beings on Earth
- D. the smallest creatures are toughest with strong adaptability and natural survival instinct

3. Read the following passage carefully and answer the question given below it.

As the rulers of the planet, human beings like to think that it is the large creatures who will emerge victorious in the struggle for survival. However, nature teaches us the opposite. It is often the smallest species which are the toughest and most adaptable. A perfect example is the hummingbird, which is found in the American countries. One species of hummingbird is known as the bee hummingbird which ranks as the world's smallest and lightest bird and it is barely visible when it is in flight. Hummingbirds are the only birds that can fly backwards. They feed mainly on the nectar of flowers, a liquid that is rich in energy. Nectar is an ideal food source, for hummingbirds need an incredible amount of energy to sustain their body metabolism. A hummingbird's wings flap at a rate of about 80 times per second and its tiny heart beats more than 1000 times per minute. This is why they must consume relatively large quantities of food. In the course of a day, a hummingbird consumes nectar as much as half its body weight. The beauty of Nature is the uniqueness of her creation to adapt in any condition.

Hummingbirds are unique species, in a sense that _____. (Choose your answer from the given options)

- A. they can sustain fast body metabolism while flying for long duration to evade predators
- B. their flapping of wings creates humming sound which helps them to fly backwards
- C. they can feed on nectar of flowers by easily steering and hovering in air close to the flowers
- D. they survive only on nectar of flowers, hence requires to consume in large quantity after flight

4. Read the sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Spot the error from the given options.

He is trying (a)/ to earn money (b)/ for myself and him (c). / no error (d)

- | | |
|--------|--------|
| A. (a) | B. (b) |
| C. (c) | D. (d) |

5. Read the sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Spot the error from the given options.

The doctor observed (a)/ that the patient (b)/ was gradually (c)/ becoming weak (d).

- | | |
|--------|--------|
| A. (a) | B. (b) |
| C. (c) | D. (d) |

6. Read the sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Spot the error from the given options.

As soon as I shall reach Mumbai (a)/ I shall send you the file (b)/ you have asked for (c)./ no error (d)

- | | |
|--------|--------|
| A. (a) | B. (b) |
| C. (c) | D. (d) |

7. Read the sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Spot the error from the given options.

The students of (a)/ commerce stream are (b)/ not able to cope up (c)/ with the new syllabus (d).

- | | |
|--------|--------|
| A. (a) | B. (b) |
| C. (c) | D. (d) |

8. Fill in the blank with the most appropriate word from the given options.

This candidate lacks (a)/ an experience (b)/ otherwise (c)/ he is well qualified (d).

- | | |
|--------|--------|
| A. (a) | B. (b) |
| C. (c) | D. (d) |

9. Fill in the blank with the most appropriate word from the given options.

There are several ways of _____ the price at which a product can be marketed.

- | | |
|----------------|---------------|
| A. judging | B. evaluating |
| C. determining | D. estimating |

10. Fill in the blank with the most appropriate word from the given options.

The Managing Director treated the employees to a _____ lunch at an expensive hotel.

- | | |
|---------------|--------------|
| A. stupendous | B. sumptuous |
| C. tasteful | D. thriving |

11. Fill in the blank with the most appropriate word from the given options.

Contemporary economic development differs _____ from the Industrial Revolution of the 19th century.

- | | |
|--------------|-------------|
| A. naturally | B. usually |
| C. literally | D. markedly |

12. In the following question, out of the given alternatives, choose the best one which expresses the meaning of the given word.

APATHETIC

- | | |
|----------------|--------------|
| A. Distress | B. Impatient |
| C. Indifferent | D. Disgust |

13. In the following question, out of the given alternatives, choose the best one which expresses the meaning of the given word.

CHERISH

- | | |
|-------------|--------------|
| A. Treasure | B. Disregard |
| C. Forsake | D. Contest |

14. In the following question, choose the word which is opposite in meaning to the given word.

OBNOXIOUS

- | | |
|------------|-------------|
| A. Obscure | B. Hostile |
| C. Gloomy | D. Pleasant |

15. In the following question, choose the word which is opposite in meaning to the given word.

PENSIVE

- | | |
|----------------|-------------|
| A. Hazard | B. Peasant |
| C. Thoughtless | D. Expedite |

16. Select the most appropriate word from the options against _____ X _____.

Democracy has its dangers, the greatest of which is that it may be the rule of ignorance. Citizens who are not _____ X _____ intelligent and educated are likely to commit errors of judgement in _____ Y _____ their franchise. The best candidate may thus, _____ Z _____ to get elected. Elections are usually a matter of propaganda.

- | | |
|-----------|---------------|
| A. barely | B. adequately |
| C. highly | D. perfectly |

17. Select the most appropriate word from the options against _____ Y _____.

Democracy has its dangers, the greatest of which is that it may be the rule of ignorance. Citizens who are not _____ X _____ intelligent and educated are likely to commit errors of judgement in _____ Y _____ their franchise. The best candidate may thus, _____ Z _____ to get elected. Elections are usually a matter of propaganda.

- | | |
|--------------|----------------|
| A. deciding | B. proclaiming |
| C. declaring | D. exercising |

18. Select the most appropriate word from the options against _____ Z _____.

Democracy has its dangers, the greatest of which is that it may be the rule of ignorance. Citizens who are not _____ X _____ intelligent and educated are likely to commit errors of judgement in _____ Y _____ their franchise. The best candidate may thus, _____ Z _____ to get elected. Elections are usually a matter of propaganda.

- | | |
|------------|------------|
| A. fail | B. succeed |
| C. dislike | D. desire |

19. The given idiom is followed by four meanings. Choose the one which best expresses the meaning of the given idiom:-

Take the bull by the horns

- | | |
|-----------------------|------------------------------|
| A. To sabotage a plan | B. To meet the danger boldly |
| C. To remain careful | D. To lose control |

20. The given idiom is followed by four meanings. Choose the one which best expresses the meaning of the given idiom:-

To pour oil on troubled waters

- | | |
|-----------------------------------|------------------------------|
| A. To instigate people | B. To pacify matters |
| C. To sail through difficult time | D. To follow other's opinion |

21. The given sentence is followed by four phrases/ idioms. Choose the one which can be filled in the blank to make the sentence most meaningful and correct.

He suspected that the manager has _____ in the proposal.

- | | |
|-----------------------|-------------------|
| A. an axe to grind | B. an oily tongue |
| C. an alpha and omega | D. ins and outs |

22. In the following question there is a related pair of words given. Each pair is followed by four other pairs of words. Choose the pair from the given option the pair of words that best expresses the relationship like the original pair.

Promise : Fulfil

- | | |
|------------------|-----------------------|
| A. Pawn : Redeem | B. Pledge : Deny |
| C. Law : Enforce | D. Prisoner : Release |

23. In the following question there are a related pair of words given. Each pair is followed by four other pairs of words. Choose the pair from the given option the pair of words that best expresses the relationship like the original pair.

Heed : Ignore

- | | |
|--------------------|-----------------------|
| A. Pacify : Incite | B. Surmount : Conquer |
| C. Allay : Dispel | D. Conflict : Discord |

24. In the following question there is a related pair of words given. Each pair is followed by four other pairs of words. Choose the pair from the given option the pair of words that best expresses the relationship like the original pair.

Escape : Abscond

- | | |
|----------------------------|----------------------|
| A. Freedom : Individuality | B. Exult : Lament |
| C. Weaken : Submission | D. Endless : Eternal |

25. The following question, consists of an incomplete sentence or a sentence which is split into four parts. All four parts are jumbled up and are named as P, Q, R and S. These four parts are not given in their proper order. Arrange the jumbled parts of the sentence and find out which of the four combinations from the given options will correctly complete the sentence.

In spite of an unprecedented boom in the market_____ what he had sold the previous year.

- P : and had to remain content
 Q : the paper dealer could not
 R : push up his sales
 S : with a volume of sale lower than

- | | |
|---------|---------|
| A. QRPS | B. SPRQ |
| C. QRSP | D. RPSQ |

26. The following question, consists of an incomplete sentence or a sentence which is split into four parts. All four parts are jumbled up and are named as P, Q, R and S. These four parts are not given in their proper order. Arrange the jumbled parts of the sentence and find out which of the four combinations from the given options will correctly complete the sentence.

Private sector is guided by _____ have low profitability.

- P : pattern of society loses its relevance as
 Q : profit motive and therefore socialistic
 R : which take long time to complete and
 S : it does not take interest in the projects

- | | |
|---------|---------|
| A. QRPS | B. PRSQ |
| C. RSQP | D. QPSR |

27. The following question, consists of an incomplete sentence or a sentence which is split into four parts. All four parts are jumbled up and are named as P, Q, R and S. These four parts are not given in their proper order. Arrange the jumbled parts of the sentence and find out which of the four combinations from the given options will correctly complete the sentence.

Science does not merely add new truths _____ men's thinking and their lives.

P : destroy some old truths and
 Q : discovers new truths that
 R : thereby upsets the way of
 S : to old ones, it also

- | | |
|---------|---------|
| A. QSRP | B. SPQR |
| C. SQPR | D. PSRQ |

28. In the following question a sentence or a phrase is given which can be substituted by one word. Choose the most appropriate word explaining the sentence or the phrase from the given option.

A short story with a moral or spiritual lesson is known as _____

- | | |
|------------|---------------|
| A. Fiction | B. Prose |
| C. Parable | D. Fairy Tale |

29. In the following question a sentence or a phrase is given which can be substituted by one word. Choose the most appropriate word explaining the sentence or the phrase from the given option.

A person who is excessively anxious about his health is known as _____

- | | |
|---------------|------------------|
| A. Fastidious | B. Hypochondriac |
| C. Pacifist | D. Chauvinist |

30. In the following question a sentence or a phrase is given which can be substituted by one word. Choose the most appropriate word explaining the sentence or the phrase from the given option.

The process of compulsory enlistment for military service is called _____

- | | |
|----------------|-----------------|
| A. Recruitment | B. Conscription |
| C. Pantheism | D. Sinecure |

31. Choose the most appropriate answer.

Name the place where the excavations provided the evidence of maritime trade during the period of the Harappan culture?

- | | |
|----------------|-----------|
| A. Mohenjodaro | B. Lothal |
| C. Kalibangan | D. Ropar |

32. Choose the most appropriate answer.

Which of the following represents the first mass movement started by Mahatma Gandhi?

- | | |
|------------------------------|-------------------------|
| A. Non Cooperation Movement. | B. Quit India Movement. |
| C. Champaran Movement. | D. Salt Movement |

33. Choose the most appropriate answer.

Which amongst the under mentioned Indian states do not share border with Myanmar?

- | | |
|----------------------|-------------|
| A. Meghalaya | B. Mizoram |
| C. Arunachal Pradesh | D. Nagaland |

34. Choose the most appropriate answer.

Which of the following is not correctly matched?

- | | |
|---------------------------|----------------------------|
| A. Rourkela – Odisha | B. Durgapur – West Bengal |
| C. Jamshedpur – Jharkhand | D. Bhilai – Madhya Pradesh |

35. Choose the most appropriate answer.

India's highest sporting honour, "The Rajiv Gandhi Khel Ratna Award" has been renamed after which famous personality?

- | | |
|----------------------|---------------------|
| A. Sunil Gavaskar | B. PT Usha |
| C. Major Dhyan Chand | D. Sachin Tendulkar |

36. Choose the most appropriate answer.

What is the order of sequence of colours in the Olympic Games logo rings?

- | |
|-------------------------------------|
| A. Blue, Yellow, Black, Green, Red |
| B. Black, Green, Red, Yellow, Green |
| C. Yellow, Black, Blue, Red, Green |
| D. Green, Black, Blue, Yellow, Red |

37. Choose the most appropriate answer.

Name the organisation that organises 'World Sustainable Development Summit (WSDS)', an annual flagship event which provides a platform to discuss and deliberate over climatic issues of universal importance.

- | |
|---|
| A. United Nations Environment Programme (UNEP) |
| B. United Nations Framework Convention on Climate Change (UNFCCC) |
| C. World Economic Forum (WEF) |
| D. The Energy and Resource Institute (TERI) |

38. Choose the most appropriate answer.

Which of the following is the folk music of Rajasthan?

- | | |
|-----------|-------------|
| A. Lotia | B. Pandwani |
| C. Chakri | D. Tappa |

39. Choose the most appropriate answer.

The famous painting *THE LAST SUPPER*, was painted by which of the following artist?

- | | |
|----------------------|---------------------|
| A. Pablo Picasso | B. Vincent Van Gogh |
| C. Leonardo da Vinci | D. Michelangelo |

40. Choose the most appropriate answer.

Name the film that has been awarded the 67th National Film award in the category of 'Best Film on Environment Conservation'.

- | | |
|-----------------|-----------------|
| A. Ottal | B. Water Burial |
| C. Black Forest | D. Malli |

41. Match the List I with the correct options of List II.**List I (Property)**

1. Best Conductor of Heat and electricity
2. Highly resistant to corrosion
3. Has low melting point but high boiling point
4. Least conductor of heat

List II(Metal)

- I. Gallium
- II. Lead
- III. Rhodium
- IV. Silver

Choose the most appropriate answer from the options A, B, C, D.

- | | |
|---------------------------|---------------------------|
| A. 1-IV, 2-III, 3-I, 4-II | B. 1-II, 2-III, 3-IV, 4-I |
| C. 1-III, 2-II, 3-IV, 4-I | D. 1-I, 2-III, 3-II, 4-IV |

42. Choose the most appropriate answer.

By which of the following Amendment Act the word "Secular" was inserted into the Constitution of India?

- | | |
|-----------------------------------|-----------------------------------|
| A. 44 th Amendment Act | B. 52 nd Amendment Act |
| C. 34 th Amendment Act | D. 42 nd Amendment Act |

43. Choose the most appropriate answer.

Which of the following company developed the UPI based payment interface application BHIM 2.0 app?

- A. National Information Corporation
- B. National Payment Corporation of India
- C. Securities and Exchange Board of India
- D. Financial Action Task Force

44. Match List I with the correct options of List II**List I(Vitamin)**

- 1. Vitamin B
- 2. Vitamin K
- 3. Vitamin C
- 4. Vitamin A

List II(Diseases)

- I. Night Blindness
- II. Diarrhoea
- III. Haemorrhage
- IV. Scurvy

Choose the most appropriate answer from the options A, B, C, D.

- | | |
|---------------------------|---------------------------|
| A. 1-I, 2-IV, 3-III, 4-II | B. 1-II, 2-III, 3-IV, 4-I |
| C. 1-III, 2-IV, 3-II, 4-I | D. 1-III, 2-II, 3-I, 4-IV |

45. Choose the most appropriate answer.

“For every action there is an equal and opposite reaction.” This statement represents which of the Newton’s Laws of Motion?

- A. Newton’s First Law of Motion
- B. Newton’s Second Law of Motion
- C. Newton’s Third Law of Motion
- D. Newton’s Fourth Law of motion

46. Choose the most appropriate answer.

Which of the following Airline is a joint venture of Singapore Airlines and Tata Sons ?

- | | |
|--------------|--------------|
| A. Air India | B. Vistara |
| C. Go Air | D. Spice Jet |

47. Choose the most appropriate

Consider the following statements related to Unified Mobile Application for New age Governance (UMANG).

- I. UMANG app provides access to only Central Government Service.
- II. UMANG app is available for Android, iOS, Windows and Kai OS operating system.
- III. UMANG is currently available only in Hindi and English language.

Which of the following statement(s) is/are true?

- A. I and II only
- B. II only
- C. II and III only
- D. I, II and III

48. Choose the most appropriate answer.

Which of the following occasions mark the celebration of National Science Day?

- A. Dr. CV Raman's Birth Anniversary
- B. The day when Dr. CV Raman was awarded The Noble Prize.
- C. The day when The Raman Effect was discovered.
- D. Death Anniversary of Dr. CV Raman

49. Consider the following pairs of crops and regions:

- | | | |
|--------------------|---|-------------------------|
| 1. Makhana | : | Mithila Region of Bihar |
| 2. Gucchi Mushroom | : | Western Ghats |
| 3. Isabgol | : | Southern Rajasthan |

Choose the most appropriate option that represents the correct matching of pairs.

- A. 1 and 2 only
- B. 3 only
- C. 1, 2 and 3
- D. 1 and 3 only

50. Choose the most appropriate answer.

Select the country which is not a member of South Asian Association of Regional Cooperation (SAARC).

- A. Nepal
- B. Bhutan
- C. Myanmar
- D. Bangladesh

51. Choose the most appropriate answer.

Admission to Sainik Schools in India is normally open for which of the following classes?

- A. Class VI
- B. Class VI and IX
- C. Class IX only
- D. Class VI, IX and XI

52. Choose the most appropriate answer.

Which of the following is an indigenously built light combat aircraft of India?

- | | |
|----------|------------|
| A. Akash | B. Vikrant |
| C. Tejas | D. Arjun |

53. Choose the most appropriate answer.

At which Air Force base did the first batch of five Rafale fighter jets arrive?

- | | |
|-----------|--------------|
| A. Ambala | B. Pathankot |
| C. Hindan | D. Jaisalmer |

54. Choose the most appropriate answer.

With which country's Air Force, did Indian Air Force jointly conclude exercise Garuda-VI?

- | | |
|-----------|-----------|
| A. Japan | B. Canada |
| C. Russia | D. France |

55. Which of the statement(s) is/are most appropriate in respect of Territorial Army?

- I. It is a volunteer reserve force of the Indian Army
- II. It is regarded as a profession, occupation or a source of employment
- III. It is not meant for those people who are already in mainstay civilian profession

Choose the most appropriate answer.

- | | |
|---------------|--------------|
| A. I only | B. II only |
| C. II and III | D. I and III |

56. Choose the most appropriate answer.

If $27^{2n-1} = (243)^3$ then the value of n is

- | | |
|------|------|
| A. 3 | B. 6 |
| C. 7 | D. 9 |

57. Choose the most appropriate answer.

$$[(40)^2 + (42)^2 + (58)^2] \div ? = 58$$

- | | |
|--------|--------|
| A. 58 | B. 232 |
| C. 116 | D. 332 |

58. Choose the most appropriate answer.

A can do a work in 10 days and P can do the same work in 20 days. They work together for 5 days and then A goes away. In how many more days will P finish the work?

- | | |
|------------|--------------|
| A. 5 days | B. 6.5 days |
| C. 10 days | D. 8.33 days |

59. Choose the most appropriate answer.

Saral and Himanshu can do a work in 6 days and 8 days respectively. If Saral, Himanshu and Abhishek together can complete the same work in 2 days, then what is the ratio of the earning of Saral, Himanshu and Abhishek provided they are paid in the ratio of the work done by them?

- | | |
|----------|----------|
| A. 5:4:3 | B. 3:4:5 |
| C. 4:3:5 | D. 4:5:3 |

60. Choose the most appropriate answer.

There are three taps which are either filling a tank or emptying it. If all the three taps are opened together, the tank is filled in 10 hrs. One of the taps fills in 5 hrs and another in 10 hrs. What does the 3rd tap do?

- | | |
|--------------------------------|--------------------------------|
| A. Empties the tank in 10 hrs. | B. Empties the tank in 20 hrs. |
| C. Empties the tank in 5 hrs. | D. Fills the tank in 10 hrs. |

61. Choose the most appropriate answer.

The ticket charges at a multiplex cinema hall are reduced by 25%. As a result, attendance in the cinema hall is increased by 10%. Find the change in the revenue earned by the cinema hall.

- | | |
|--------------------|--------------------|
| A. 22.2 % increase | B. 17.5 % decrease |
| C. 15 % decrease | D. 12.5 % increase |

62. Choose the most appropriate answer.

In a certain exam, A got 33.33% of the total marks of 300. B's marks are one fourth more than A's marks. C got 15 marks less than B. D got 20 marks more than the average marks of A, B and C. How many among A, B, C and D got more than 40% of the total marks?

- | | |
|------|------|
| A. 0 | B. 1 |
| C. 2 | D. 3 |

63. Choose the most appropriate answer.

A container contains a mixture of milk and water in the ratio 5:2. First, the volume of the mixture is increased by 25% by adding water and then 20% of the mixture is replaced with water. What is the ratio of milk and water in the resultant mixture?

- | | |
|----------|---------|
| A. 16:19 | B. 7:11 |
| C. 2:5 | D. 8:13 |

64. Choose the most appropriate answer.

A shopkeeper sells a product at 12% discount on his marked price. He is required to pay 10% GST. If he gives a discount of Rs. 36, how much money is he left with after paying GST?

- | | |
|---------------|---------------|
| A. Rs. 234.30 | B. Rs. 233.70 |
| C. Rs. 237.60 | D. Rs. 239.40 |

65. Choose the most appropriate answer.

Ajit bought four books at same price. He sold the books to Bharat at 20% profit, 10% loss, 10% profit and 20% profit respectively. Bharat in turn sold the books to Chitra at 10% loss, 20% profit, 20% loss and 20% profit respectively. By what percent did the total cost of the four books change when Chitra bought them as compared to the total cost when Ajit bought them?

- | | |
|--------|--------|
| A. 10% | B. 15% |
| C. 12% | D. 25% |

66. Choose the most appropriate answer.

The cost price of an article is increased by Rs. 120, the selling price was increased by Rs. 160. If the profit percentage after the changes is 33.33%, find the profit percentage the trader was making before the changes.

- | | |
|-----------|--------|
| A. 33.33% | B. 28% |
| C. 25% | D. 35% |

67. Choose the most appropriate answer.

An amount of Rs. 93,000 be divided among three persons A, B and C in such a way that twice the share of A is equal to thrice the share of B and thrice the share of B is equal to five times the share of C. Find the share of C.

- | | |
|---------------|---------------|
| A. Rs. 15,000 | B. Rs. 18,000 |
| C. Rs. 17,500 | D. Rs. 19,000 |

68. Choose the most appropriate answer.

A jar contains a mixture of two liquids A and B in ratio 4:1. When 10 litre of the mixture is replaced with liquid B, the ratio becomes 2:3. How many litres of liquid A was present in the jar initially?

- | | | | |
|----|----|----|----|
| A. | 25 | B. | 16 |
| C. | 20 | D. | 18 |

69. Choose the most appropriate answer.

In what ratio should water be added to a liquid costing Rs. 12 per litre to make a profit of 25% while selling the diluted liquid at Rs. 13.75 per litre?

- | | | | |
|----|--------|----|--------|
| A. | 5 : 7. | B. | 1 : 11 |
| C. | 7 : 2 | D. | 2 : 7 |

70. Choose the most appropriate answer.

Find the rate of interest if a sum of money becomes 8 times after 3 years when interest is being compounded annually.

- | | | | |
|----|-----|----|------|
| A. | 25% | B. | 50% |
| C. | 75% | D. | 100% |

71. Choose the most appropriate answer.

On investing Rs. 5,000 in a bank, A will get back Rs. 5,671 in 2 years. What is the compound rate of interest?

- | | | | |
|----|----|----|------|
| A. | 5% | B. | 5.5% |
| C. | 6% | D. | 6.5% |

72. Choose the most appropriate answer.

A bank offers a rate of interest of 16% per annum, compounded semi-annually. What will be the approximate interest generated on an amount of Rs. 10,000 kept for 2 years?

- | | | | |
|----|-----------|----|-----------|
| A. | Rs. 3,600 | B. | Rs. 3,605 |
| C. | Rs. 3,610 | D. | Rs. 3,620 |

73. Choose the most appropriate answer.

A car covers a distance in 8 hours. Had the speed been increased by 4 kmph, the time taken would have reduced by 30 minutes. Find the distance.

- | | | | |
|----|--------|----|--------|
| A. | 360 km | B. | 480 km |
| C. | 300 km | D. | 400 km |

74. Choose the most appropriate answer.

One third of the journey is covered at the rate of 30 km/hr, one fourth of the remaining is covered at 40 km/hr and remaining is covered at 50 km/hr. What is the average speed of the whole journey?

- | | | | |
|----|----------|----|------------|
| A. | 45 km/hr | B. | 40 km/hr |
| C. | 38 km/hr | D. | 39.5 km/hr |

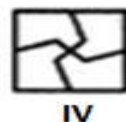
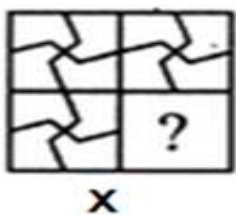
75. Choose the most appropriate answer.

Three dogs D_1 , D_2 and D_3 undergo a training programme to walk. After the training, the distances covered by 3 steps of D_1 , 4 steps of D_2 and 5 steps of D_3 are equal. Further, in the time taken by D_1 to take 5 steps, D_2 takes 4 steps and D_3 takes 6 steps. What is the ratio of the walking speeds of D_1 , D_2 and D_3 respectively?

- | | | | |
|----|----------|----|----------|
| A. | 25:15:18 | B. | 15:18:25 |
| C. | 25:18:25 | D. | 18:25:15 |

76. Choose the most appropriate answer.

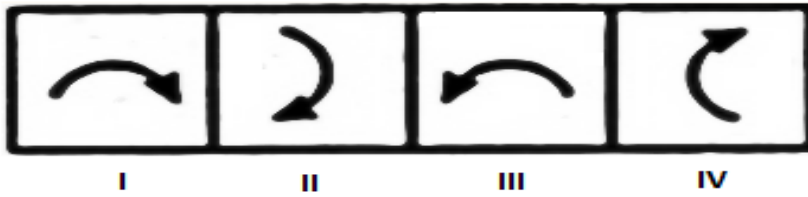
In the following question, select a figure from the given options I, II, III and IV which when placed in the blank space of figure X would complete the pattern.



- | | | | |
|----|-----|----|----|
| A. | I | B. | II |
| C. | III | D. | IV |

77. Choose the most appropriate answer.

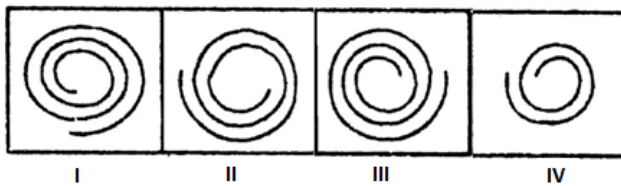
In the following question, out of the four figures marked I, II, III and IV, three are similar in a certain manner. However, one figure is not like the other three. Choose the figure which is different from the rest.



- | | |
|--------|-------|
| A. I | B. II |
| C. III | D. IV |

78. Choose the most appropriate answer.

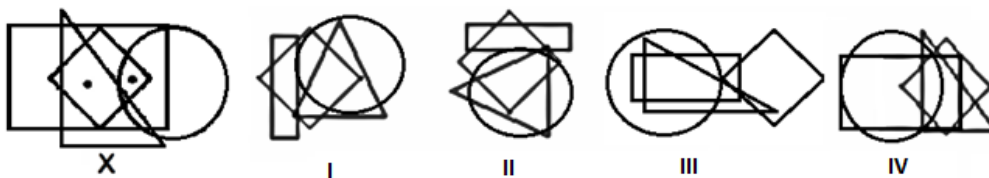
In the following question, out of the four figures marked I, II, III and IV, three are similar in a certain manner. However, one figure is not like the other three. Choose the figure which is different from the rest.



- | | |
|--------|-------|
| A. I | B. II |
| C. III | D. IV |

79. Choose the most appropriate answer.

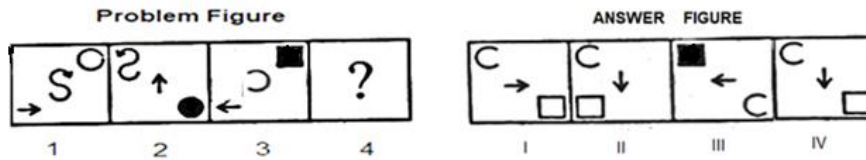
In the following question, there is a diagram, marked X, with dot(s) placed in it. This diagram is followed by four other figures, marked I, II, III and IV. Only one of the figure wherein placement of the dot(s) satisfying the same conditions, as in the original diagram is possible. Find the correct alternative.



- | | |
|--------|-------|
| A. I | B. II |
| C. III | D. IV |

80. Choose the most appropriate answer.

The following question consist of four figures marked 1, 2, 3 and 4 called the Problem Figures, followed by four other figures marked I, II, III and IV called the Answer Figures. Select a figure from the Answer Figures which will continue the same series as established by the Problem Figures.

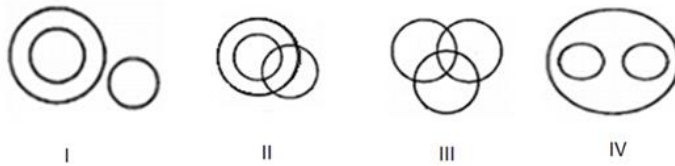


- A. I
B. II
C. III
D. IV

81. Choose the most appropriate answer.

The question given below contain three elements. These elements may or may not be linked to one another. Each group of elements may fit into one of the diagrams at I, II, III or IV. You have to indicate the diagram which is most aptly related to the group of elements.

Gas, Methane and Neon

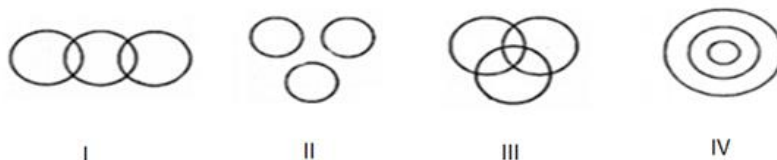


- A. I
B. II
C. III
D. IV

82. Choose the most appropriate answer.

The question given below contain three elements. These elements may or may not be linked to one another. Each group of elements may fit into one of the diagrams at I, II, III or IV. You have to indicate the diagram which is most aptly related to the group of elements.

Rice, Mustard and Maize.



- A. I
B. II
C. III
D. IV

83. Choose the most appropriate answer.

In the following question, four numbers have been given, out of which three are alike in some manner, while the fourth one is different. Choose the number which is different from the rest.

- | | |
|-------|-------|
| A. 37 | B. 17 |
| C. 7 | D. 15 |

84. Choose the most appropriate answer.

In the following question, 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.

- | | |
|--------------|------------|
| A. Mercury | B. Bromine |
| C. Aluminium | D. Sodium |

85. Choose the most appropriate answer.

In the following question, find out the alternative which will replace the question mark (?)

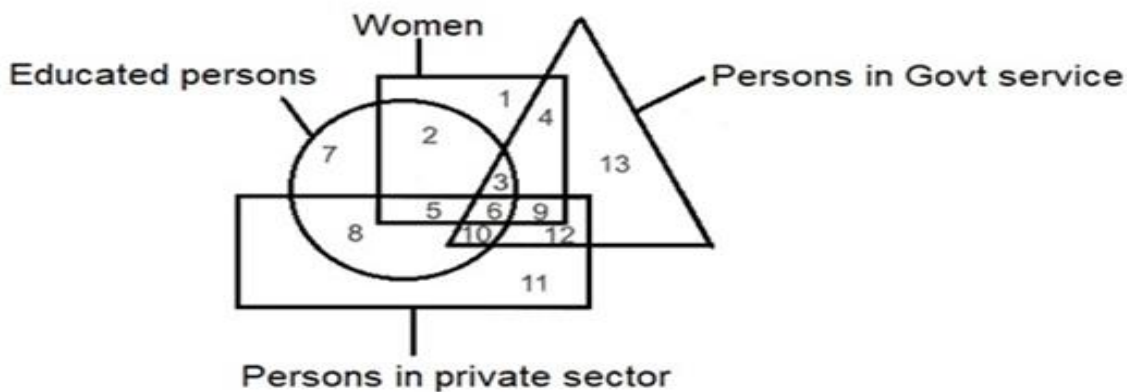
Ecology : Environment :: Histology : ?

- | | |
|------------|-------------|
| A. Fossils | B. History |
| C. Tissues | D. Hormones |

86. Choose the most appropriate answer.

Study the geometrical shapes given below carefully and answer the question.

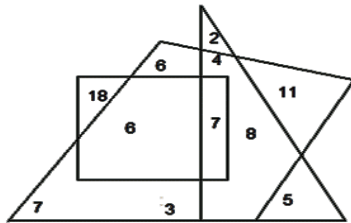
The Square represents Women, the Triangle represents Persons who are in Govt Service, the Circle represents Educated Persons, and the rectangle represents Persons working in Private Sector. Find the number represents Educated Women, who are in Govt Service?



- | | |
|------|------|
| A. 2 | B. 3 |
| C. 6 | D. 4 |

87. Choose the most appropriate answer.

Study the geometrical shapes given below carefully and answer the question. Multiply the number which belongs to the rectangle only with the sum of the numbers which belong to the trapezium only? What is the result?



- | | |
|--------|--------|
| A. 496 | B. 476 |
| C. 486 | D. 468 |

88. Choose the most appropriate answer.

A child is looking for his father. He went 90 metres in the East before turning to his right. He went 20 metres before turning to his right again to look for his father at his uncle's place 30 metres from this point. His father was not there. From there he went 100 metres to his North before meeting his father in a street. How far did the son meet his father from starting point?

- | | |
|---------------|---------------|
| A. 260 meters | B. 90 meters |
| C. 80 meters | D. 100 meters |

89. Choose the most appropriate answer.

Rashmi goes towards East from a point P and then turns left. She walks some distance and then turns her right. Which direction is she facing now?

- | | |
|----------|----------|
| A. North | B. East |
| C. West | D. South |

90. Choose the most appropriate answer.

Raghu and Babu are twins. Babu's sister is Reema. Reema's husband is Rajan. Raghu's mother is Lakshmi. Lakshmi's husband is Rajesh. How is Rajesh related to Rajan?

- | | |
|------------------|---------------|
| A. Uncle | B. Son-in-Law |
| C. Father-in-Law | D. Cousin |

91. Choose the most appropriate answer.

Pointing towards a photograph, Binod said, "She is the daughter of my wife's mother's only daughter". How is Binod related to the girl in the photograph?

- | | |
|-----------|----------|
| A. Cousin | B. Uncle |
| C. Father | D. Wife |

92. Choose the most appropriate answer.

If in a certain code language PUNCTUAL is written as TSRAXSEJ, then how RAMESH would be coded in that code language?

- | | |
|-----------|-----------|
| A. VQYCWF | B. VYQFWC |
| C. VYQCWF | D. QVYWCF |

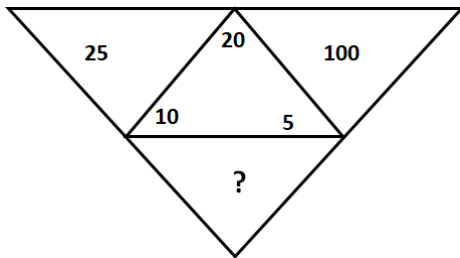
93. Choose the most appropriate answer.

If in a certain code language MADRAS is written as DAMSAR, then how MUMBAI would be coded in that code language?

- | | |
|-----------|-----------|
| A. BAIUMM | B. MUMIAB |
| C. IABMUM | D. MBIAUM |

94. Choose the most appropriate answer.

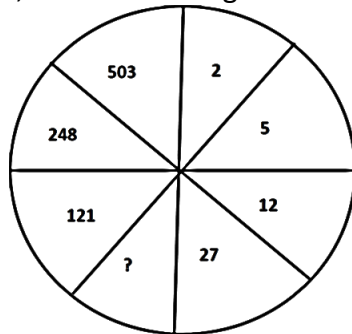
In the following question, a set of figures carrying certain characters is given. Assuming that the characters follow a similar pattern, find the missing character.



- | | |
|--------|--------|
| A. 100 | B. 200 |
| C. 900 | D. 400 |

95. Choose the most appropriate answer.

In the following question, a set of figures carrying certain characters is given. Assuming that the characters follow a similar pattern, find the missing character.



- | | |
|-------|--------|
| A. 32 | B. 58 |
| C. 64 | D. 128 |

96. Choose the most appropriate answer.

If > denotes +, < denotes -, + denotes \div , - denotes =, = denotes '<', and X denotes '>', which of the following statement(s) is / are correct ?

Statement I : $3 + 2 > 4 = 9 + 3 < 2$

Statement II : $3 > 2 > 4 = 18 + 3 < 1$

- | | |
|------------------|---------------------|
| A. I Only | B. II Only |
| C. Both I and II | D. Neither I nor II |

97. Choose the most appropriate answer.

In the given question + means -, - means +, x means \div , \div means x, then

$$16 + 14 \div 2 - 110 \times 11 \div 2 = ?$$

- | | |
|-------|-------|
| A. 8 | B. 16 |
| C. 32 | D. 64 |

98. Choose the most appropriate answer.

Sita, Mahi, Riya, Marry and Kamla organise a trekking expedition in Himalayan region. They decided to change the leadership in an alphabetical order after every 5 km and rest for an hour after every 10 km. Beginning with Kamla, who will take over the leadership after they start from second halt?

- | | |
|---------|----------|
| A. Mahi | B. Marry |
| C. Riya | D. Sita |

99. Choose the most appropriate answer.

In a class of 39th students, Ravi is 7 ranks ahead of Sumit. If Sumit's rank is 17th from the last, what is Ravi's rank from the start?

- | | |
|---------|---------|
| A. 14th | B. 15th |
| C. 16th | D. 17th |

100. Choose the most appropriate answer.

Four groups of letters are given in jumbled form. In each of the following a meaningful word is made by rearranging the alphabet. Find the odd one out after making meaningful words.

- | | |
|------------|-----------|
| A. ALMIHSA | B. LAPOHB |
| C. IHLED | D. RUPIAJ |