

All India Maha Mock: Indian Air Force AFCAT (Memory Based) 18-Dec-2021

Directions (1-2): Which word or words explains the meaning of the following idioms given in bold:

Q1. That dress made her look fat, let's **call a spade a spade** before she goes out wearing it and embarrasses herself. Source: theidioms.com

- (a) ignite the argument
- (b) speak in a straight forward manner
- (c) remain undecided
- (d) become enemy

Q2. Leaving England wasn't easy and I **had cold feet** about it a couple of times.

- (a) ignored the idea
- (b) felt enthusiastic
- (c) experienced nervousness
- (d) sought the drawbacks

Directions (3-7): In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Sometimes, the leash follows the dog, but given the importance of control, the sequence can seem insignificant. It only matters that there remains a good hold over the circumstances. No matter then, that the Assisted Reproductive Techniques (ART) Bill, which was cleared by the Union Cabinet this week, came after the Surrogacy Bill that it should have preceded. Together, the ART Bill; the Surrogacy Bill; the amendment to the Medical Termination of Pregnancy Act; and the older Pre-Conception and Pre-Natal Diagnostic Techniques Act present a bouquet of legislation that will have a positive impact on the reproductive rights and choices of women in India. The ART Bill to (5) _____ clinics offering fertility treatments has been long in the works, and was first presented publicly way back in 2008. ART measures help couples unable to (6) _____ naturally to bear children with the aid of state-of-the-art technology to achieve pregnancy, leading to safe delivery. India has a rich history of employing ART, (7) _____ the initial years went officially undocumented at that time. In the late 1970s, only months after the birth of Louise Brown, the first 'test tube baby', Kolkata-based doctor Subhas

Mukherjee announced the birth of the world's second test tube baby. Subsequently, the industry saw phenomenal growth, as infertility rates went up. A market projection (by Fortune Business Insights) said the size of the ART market is (8) _____ to reach \$45 billion by 2026. Among Asian countries, India's ART market is pegged at third position. A lack of regulation and the consequent laxity in operations drove a lot of traffic from other nations to India. This, in turn, along with the relatively low costs, led to the mushrooming of ART clinics across the country. Undoubtedly, this also led to a (9) _____ of legal, social and ethical issues.

Q3. Select the most appropriate option for blank no. 1

- (a) regularize
- (b) appoint
- (c) regulation
- (d) regulate

Q4. Select the most appropriate option for blank no. 2

- (a) convene
- (b) convince
- (c) conceive
- (d) concede

Q5. Select the most appropriate option for blank no. 3

- (a) through
- (b) thorough
- (c) thoroughly
- (d) though

Q6. Select the most appropriate option for blank no. 4

- (a) expected
- (b) accepted
- (c) excepted
- (d) inspected



Q7. Select the most appropriate option for blank no. 5

- (a) abundance (b) plethora
(c) scarcity (d) paucity

Directions (8-12): Choose the word which is nearest in meaning to the given word:-

Q8. AUDACIOUS

- (a) Timid (b) Simplicity
(c) Fearless (d) Meek

Q9. EXONERATE

- (a) Convict (b) Acquit
(c) Haste (d) Access

Q10. ADVOCATE

- (a) Critic (b) Withdraw
(c) Proponent (d) Intrude

Q11. PREAMBLE

- (a) Fault (b) Significant
(c) Preface (d) Friendly

Q12. PRODIGIOUS

- (a) Negligible (b) Lustrous
(c) Community (d) Massive

Directions (13-17): Choose the word which is nearly opposite in meaning to the given word:-

Q13. BEGUILE

- (a) Repel (b) Elegance
(c) Dazzle (d) Occupy

Q14. CALLOW

- (a) Naive (b) Sophisticated
(c) Artless (d) Cessation

Q15. NIMBLE

- (a) Pious (b) Stiff
(c) Spry (d) Outdated

Q16. WRATH

- (a) Fury (b) Delight
(c) Fake (d) Ire

Q17. VALIDATE

- (a) Verify (b) Uphold
(c) Applaud (d) Disprove

Directions (18-22): Read the following passage carefully and answer the questions given below it:

It has been close to 18 months since the Prime Minister, Narendra Modi, launched the country-wide implementation of Ayushman Bharat-Pradhan Mantri Jan Arogya Yojana (PM-JAY), or the national health protection scheme; the initial momentum has been very encouraging. The scheme is currently being implemented in 32 of 36 States and Union Territories. It has provided 84 lakh free treatments to poor and vulnerable patients for secondary and tertiary ailments at 22,000 empanelled hospitals, countrywide. Under PM-JAY, there is one free treatment every three seconds and two beneficiaries verified every second.

As the scale of this scheme grows, a key area of focus is to expand the secondary and tertiary hospitals empanelled under PM-JAY and ensure their quality and capacity while keeping the costs down. At present, there is one government bed for every 1,844 patients and one doctor for every 11,082 patients. In the coming years, considering 3% hospitalisation of PM-JAY-covered beneficiaries, the scheme is likely to provide treatment to 1.5 crore patients annually. This means physical and human infrastructure capacity would need to be augmented vastly. Conservative estimates suggest that we would need more than 150,000 additional beds, especially in Tier-2 and -3 cities. While a comprehensive long-term strategy will focus on expanding hospital and human resources infrastructure, an effective near-term approach is needed to improve efficiencies and bridge gaps within the existing supply and likely demand. A strong, yet under-tapped lever for accelerating health system efficiency and bridging these gaps is mainstreaming innovation in the Indian health system.

Q18. What is the other name for Pradhan Mantri Jan Arogya Yojana (PM-JAY)?

- (a) New Health Scheme
(b) New Health Policy
(c) National Policy for Health Protection
(d) National Health Protection Scheme

Q19. Which among the following statements regarding PM-JAY is/are wrong?

- (i) there are two beneficiaries verified every second
(ii) there are three free treatments every second
(a) Only (i) (b) Only (ii)
(c) Both (i) & (ii) (d) Neither (i) nor (ii)

Q20. What should be the key area of focus for PM-JAY?
 (a) to expand the primary hospitals empanelled under PM-JAY.
 (b) to achieve a target of providing treatment to 1.5 crore patients annually.
 (c) to increase the secondary and tertiary hospitals enlisted under PM-JAY.
 (d) to make the doctor-patient ratio 1:1

Q21. What should be the short-term approach of the said scheme?
 (a) to expand hospital infrastructure
 (b) to bridge gaps within the existing supply and likely demand
 (c) to expand human resources infrastructure
 (d) to provide free treatment for primary ailments

Q22. What does the Conservative estimates suggest?
 (a) there is a need of more than 150,000 additional beds
 (b) the scheme is likely to provide treatment to more than 1.5 crore patients
 (c) the government will double the funds allocated for the scheme
 (d) there is a need of more than 2 lakh doctors

Directions (23-25): Choose the best phrasal verb to fill in the blank.

Q23. It is obvious that the new law has _____ some revolutionary changes in the current tax system but there are still some points to be revised.
 (a) brought about (b) broken away
 (c) taken in (d) pulled out
 (e) come at

Q24. If it weren't for the loan I got from the bank, it would have been impossible for me to _____ my own business.
 (a) set up (b) cross out
 (c) drop off (d) take down
 (e) throw up

Q25. Though he loved his fiancée very much, the boy acted in accordance with his parent's wishes and _____ with her.
 (a) set out (b) turned out
 (c) made up (d) broke up
 (e) looked in

Q26. What is the southernmost capital in the world?
 (a) Canberra (b) Wellington
 (c) Cape Town (d) Buenos Aires

Q27. Longest freshwater lake in the world is ?
 (a) Michigan (b) Superior
 (c) Lake Tanganyika (d) Victoria

Q28. World's largest riverine island?
 (a) Bananal Island (b) Uarini Island
 (c) Majuli (d) Tupinambarana

Q29. Which country is known as 'Land of Morning Calms'?
 (a) Japan (b) China
 (c) Indonesia (d) Korea

Q30. Which river passes through the largest freshwater lake in India?
 (a) Satluj (b) Jhelum
 (c) Ganga (d) Yamuna

Q31. Shooting is a national sport of which country?
 (a) Afganistan (b) Argentina
 (c) Bangladesh (d) Switzerland

Q32. FIFA was established in?
 (a) 1904 (b) 1900
 (c) 1940 (d) 1920

Q33. When was the construction of Red Fort completed?
 (a) 1648 (b) 1600
 (c) 1669 (d) 1670

Q34. CASTLE term is related to which sport?
 (a) Athletics (b) Chess
 (c) Boxing (d) Cricket

Q35. Where is the headquarter of International Renewable Energy Agency?
 (a) New York (b) Nairobi
 (c) Masdar City (d) Washington DC

Q36. Which among the following was Navratana of Akbar?
 (a) Faizi (b) Fakir Aziao-Din
 (c) Abul-Fazal (d) All of these

Q37. Which of the following party formed out of India?
 (a) Bangabhasha Prakasika Sabha
 (b) Poona Sarvajanik Sabha
 (c) Gadar Party
 (d) Swaraj Party

Q38. When was the Planning Commission was established?
 (a) 15 January 1950 (b) 15 January 1960
 (c) 15 March 1950 (d) 25 March 1960

Q39. Reykjavik is the capital of which country?

- (a) Sweden (b) Norway
(c) Greenland (d) Iceland

Q40. Project Tiger was launched in?

- (a) 1993 (b) 1990
(c) 1983 (d) 1973

Q41. The term fault is related to which sport?

- (a) Cricket (b) Hockey
(c) Tennis (d) Football

Q42. Clay courts are used in which Grand Slam tournaments?

- (a) US Open (b) Wimbledon
(c) Australian Open (d) French Open

Q43. Where is the headquarter of World Intellectual Property Organization?

- (a) New York (b) Geneva
(c) London (d) Nairobi

Q44. Who is also known as Deshbandhu ?

- (a) Chittaranjan Das
(b) Rabindranath Tagore
(c) Dadabhai Naoroji
(d) Khan Abdul Ghaffar Khan

Q45. Which country was known as SIAM?

- (a) Indonesia (b) Japan
(c) Myanmar (d) Thailand

Q46. Thomas cup is related to which sport?

- (a) Tennis (b) Badminton
(c) Football (d) Cricket

Q47. Which river originates from Gangotri Glacier?

- (a) Satluj (b) Indus
(c) Jhelum (d) Ganga

Q48. The Bhagirathi River originates from?

- (a) Gangotri Glacier (b) Mansarovar
(c) Kedarnath (d) Gaumukh Glacier

Q49. Who is the Longest serving PM of India?

- (a) Manmohan Singh (b) Indira Gandhi
(c) Jawaharlal Nehru (d) Atal Bihari Vajpaee

Q50. Who is known as the Iron Man of India?

- (a) Chittaranjan Das
(b) Rabindranath Tagore
(c) Dadabhai Naoroji
(d) Sardar Vallabhbhai Patel

Q51. What is the Currency of thailand?

- (a) Paise (b) Thai Baht
(c) Dinar (d) Rupee

Q52. Pattachitra is a traditional painting of which state ?

- (a) Odisha (b) Rajasthan
(c) Tamilnadu (d) Maharastra

Q53. Which among the following is not the terrestrial planet?

- (a) Mercury (b) Venus
(c) Mars (d) Jupiter

Q54. Silver revolution is related to

- (a) Fish (b) Eggs
(c) Oil seeds (d) Flowers

Q55. Which of the following was discovered by Madam Curie ?

- (a) Polonium (b) Radium
(c) Cyanide (d) Both a and b

Q56. The difference between the compound interest and simple interest for two years compounded annually at 20% p.a is 1331. Find the Principal.

- (a) 32275 (b) 33275
(c) 35015 (d) 38975

Q57. A can complete a task in 10 days while B can finish it in 15 days, B left work after 3 days, find the time taken to complete the remaining work by A?

- (a) 7½ days (b) 3 days
(c) 5 days (d) 4 days

Q58. The average of 10 students is 32 while if the age of teacher is included the average increases by 1.5. Find the age of the teacher?

- (a) 46.5 (b) 49.5
(c) 47.5 (d) 48.5

Q59. A train passes a pole in 15 seconds, while the same train crosses a platform in 47 seconds if platform length is 640m, then find the length of the train?

- (a) 300m (b) 225m
(c) 375m (d) 400m

Q60. A shopkeeper gives a successive discount of 40% and 20%. Find the selling price if marked price of the article is Rs.1600?

- (a) 778 (b) 768
(c) 868 (d) 878

Q61. The ratio of the speed of the boat upstream and downstream is 4:7. Find the speed of the boat if the speed of stream is 0.5m/sec?

- (a) $\frac{1}{6}$ (b) $1\frac{1}{6}$
 (c) $1\frac{5}{6}$ (d) 1

Q62.

Simplify $\frac{1.11}{19} \times \frac{380}{3.7} \div \left(\frac{1}{2} + \frac{1}{3}\right)$

- (a) 5 (b) 6
 (c) $7\frac{1}{5}$ (d) 9

Q63. A, B and C can complete a work in 20, 30 and 60 days respectively, Find the time taken to complete the work if B assists with half of its efficiency and C assist on every alternate days?

- (a) $13\frac{2}{5}$ days (b) $13\frac{1}{5}$ days
 (c) 14 days (d) 12 days

Q64. A sells two watches one at a gain of 23% while other at the loss of 23%. Find his overall profit/gain percentage?

- (a) no profit and loss (b) 4%
 (c) 3% (d) 5.2%

Q65. The average of 17 observations are 20 if one more observation is added, the average decreases by 2. Find the 18th observation?

- (a) 16 (b) 15
 (c) 17 (d) 18

Q66. In how many years the sum of Rs. 3375 at 30% p.a compounded semi-annually will yield Rs 4096.

- (a) 3 years (b) $1\frac{1}{2}$ years
 (c) 1 year (d) 2 years

Q67. A's salary is 25% lower than B's salary, which is 30% lower than C's salary. By how much percent is C's salary greater than B's salary?

- (a) 66.66% (b) 56.25%
 (c) 42.85% (d) 40%

Q68. A person A sells his horse at a discount of 25% to B while B sells the horse to C at a discount of 20%. C buys for Rs 1800. Find the original price at which A had bought the horse?

- (a) 1234 (b) 1500
 (c) 2000 (d) 3000

Q69. A person walk from point X and Y at 8am same time B start from Y to X, they meet at O after crossing B takes 16 hrs while A takes 25 hrs. If the speed of A is 24km/hr, then the speed of B?

- (a) 32km/hr (b) 24km/hr
 (c) 30km/hr (d) 35km/hr

Q70.

If $\frac{A}{5} = \frac{B}{6} = \frac{C}{7}$, then find the $\frac{A+B-C}{2}$

- (a) $15\frac{2}{3}$ (b) 15
 (c) 14 (d) 11

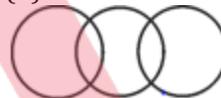
Q71. Select the Venn diagram that best represent the given classes.

Teacher, College, Student

(a)



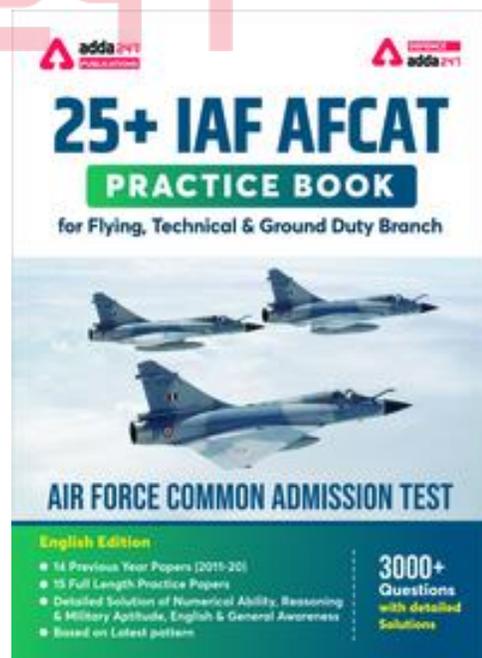
(b)



(c)



(d)



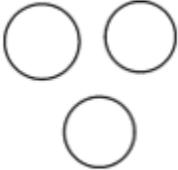
Q72. Select the Venn diagram that best represent the given classes.

Iron, Lead, Nitrogen

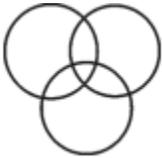
(a)



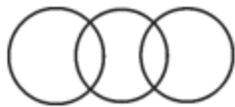
(b)



(c)



(d)



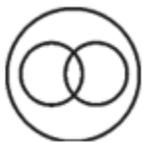
Q73. Select the Venn diagram that best represent the given class.

Musician, Singers, Women

(a)



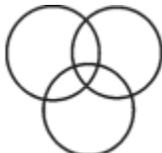
(b)



(c)



(d)



Q74. Select the Venn diagram that best represents the given set of classes.

Indoor games, Chess, Table tennis.

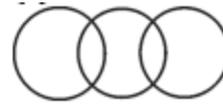
(a)



(b)



(c)



(d)



Q75.

Complete the series:

Pakistan : Rupee :: Nigeria : ?

(a) Naira

(b) Rupee

(c) Dollar

(d) taka

Q76. Complete the series:

Cataract : Eye :: Pneumonia: ?

(a) kidney

(b) nose

(c) stomach

(d) lungs

Q77. Compete the series:

Bihu : Assam :: Onam : ?

(a) Karnataka

(b) Uttar Pradesh

(c) Tamil Nadu

(d) Kerala

Q78. Complete the series:

International literacy Day : September 8 :: International woman's Day : ?

(a) March 8

(b) June 26

(c) April 22

(d) November 4

Q79. Choose odd one out

(a) Sailor

(b) Tailor

(c) Goldsmith

(d) Blacksmith

Q80. Choose odd one out

- (a) Albatross (b) Ostrich
(c) Pelican (d) Penguin

Q81. Choose odd one out

- (a) Pharynx (b) Bronchiole
(c) Auricle (d) Alveoli

Q82. Choose odd one out

- (a) Mendicant (b) Ascetic
(c) Pious (d) Hermit

Q83. If in a certain code, LUTE is written as MUTE and FATE is written as GATE, then how will BLUE be written in that code.

- (a) CLUE (b) GLUE
(c) FLUE (d) SLUE

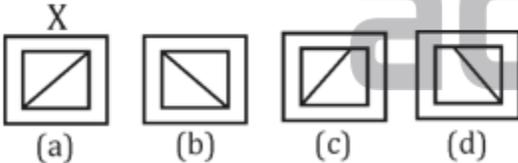
Q84. In, in a code, MIND becomes KGLB and ARGUE becomes YPESC, then what will DIAGRAM be in that code?

- (a) BGYEPYK (b) BGYPYEK
(c) GLPEYKGB (d) LKBGYPK

Q85. If MUSTARD is written as 132119201184, how is PROFUSE written in that code?

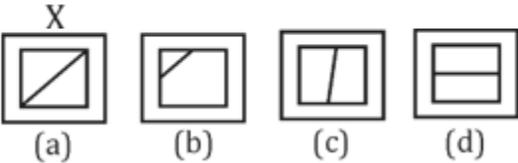
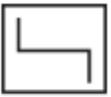
- (a) 161815621195 (b) 161816621195
(c) 161815620195 (d) 162015621195

Q86. Choose the option in which the figure marked 'X' is embedded.



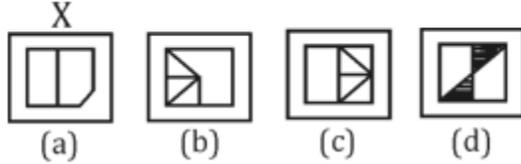
- (a) a (b) b
(c) c (d) d

Q87. Choose the option in which the figure marked 'x' is embedded.



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

Q88. Choose the option in which the figure marked 'X' is embedded.



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

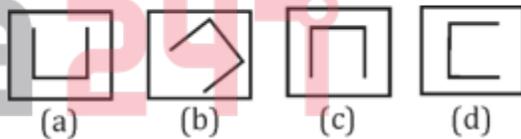
Q89. Choose the option that most closely resembles the mirror of the given figure when mirror is right and when mirror is placed at right side.

PANCHAL

- (a) JAHNCIAP
(b) JAHNCIAP
(c) JAHNCIAP
(d) JAHNCIAP

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

Q90. Choose the option that most closely resembles the water image of the given figure when mirror is placed at right side.



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

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Q91. Identify the alternative which resembles the mirror image of the given word.

DL9Q3574

- (a) 475E909JD
- (b) 4723099JD
- (c) 472E909JD
- (d) 472E909JD

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

Q92. If A = 1, CAT = 24, then POLICE = ?

- (a) 57
- (b) 60
- (c) 62
- (d) 59

Q93. Find out the two signs to be interchanged to make the following equation correct.

$$25 + 5 \times 7 - 12 \div 3 = 26$$

- (a) + and ÷
- (b) + and ×
- (c) - and ÷
- (d) + and -

Q94. Select the option that will correctly replace the question mark (?) in the series.

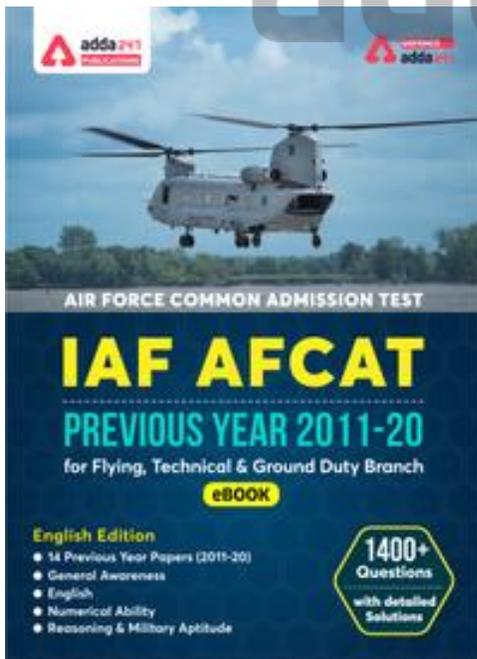
2, 12, 30, ?, 90, 132

- (a) 48
- (b) 56
- (c) 72
- (d) 63

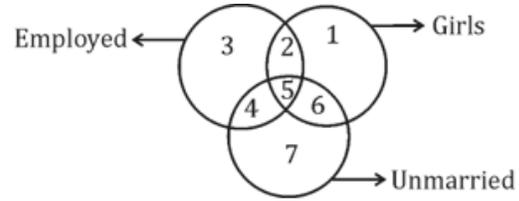
Q95. Select the option that will correctly replace the question mark (?) in the series.

79, 71, 61, 53, 43, ?

- (a) 49
- (b) 37
- (c) 41
- (d) 35



Q96. Study the diagram given below and identify the region representing girls who are employed but unmarried.



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

Q97. Which figure represent the relationship among sun, moon, molecule.

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

Q98. Which figure best represent the relationship among Men, Vegetables and Cow?

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

Q99. Select the odd number from the given alternatives.

- (a) 23
- (b) 29
- (c) 37
- (d) 33

Q100. Select the odd number from the given alternatives.

- (a) 183
- (b) 283
- (c) 231
- (d) 209

Solutions

S1. Ans.(b)

Sol. Call a spade a spade: to not dress the truth up and speak in a straight forward manner.

S2. Ans.(c)

Sol. To have cold feet: to experience nervousness or anxiety before one attempts to do something, often to the extent that one tries to avoid it.

S3. Ans.(d)

Sol. Regulate: control (something, especially a business activity) by means of rules and regulations.

Regularize: make (something) regular.

Hence, "regulate" is the only correct option.

S4. Ans.(c)

Sol. Conceive: (of a woman) become pregnant.

S5. Ans.(d)

Sol. Though: however (indicating that a factor qualifies or imposes restrictions on what was said previously). Hence, 'though' is the correct choice.

S6. Ans.(a)

Sol. Expected: regarded as likely; anticipated.

S7. Ans.(b)

Sol. Plethora: a large or excessive amount of something. 'Abundance' also means the same as 'plethora' but since the antecedent is an indefinite article "a" therefore 'abundance' cannot be taken as the correct answer.

S8. Ans.(c)

Sol. The correct answer is option c.

Audacious: showing a willingness to take surprisingly bold risks.

Synonyms – fearless, courageous, daring, intrepid, bold, valiant.

Hence, option c is the correct answer which conveys the same meaning as that of given word.

S9. Ans.(b)

Sol. The correct answer is option b.

Exonerate: absolve (someone) from blame for a fault or wrongdoing.

Synonyms- vindicate, discharge, absolve, exculpate, acquit.

Hence, option b is the correct answer which conveys the same meaning as that of given word.

S10. Ans.(c)

Sol. The correct answer is option c.

Advocate: a person who publicly supports or recommends a particular cause or policy.

Synonyms – exponent, protector, supporter, promoter, proponent.

Hence, option c is the correct answer which conveys the same meaning as that of given word.

S11. Ans.(c)

Sol. The correct answer is option c.

Preamble: a preliminary or preparatory statement; an introduction.

Synonyms – preface, prologue, prelude, introduction.

Hence, option c is the correct answer which conveys the same meaning as that of given word.

S12. Ans.(d)

Sol. The correct answer is option d.

Prodigious: remarkably or impressively great in extent, size, or degree.

Synonyms – enormous, vast, immense, colossal, massive, large.

Hence, option d is the correct answer which conveys the same meaning as that of given word.

S13. Ans.(a)

Sol. Beguile: charm or enchant (someone), often in a deceptive way.

Repel: be repulsive or distasteful to.

Hence option A is the correct antonym.

S14. Ans.(b)

Sol. Callow: inexperienced and immature.

Sophisticated: having, revealing, or involving a great deal of worldly experience and knowledge of fashion and culture.

Hence option B is the correct antonym.

S15. Ans.(b)

Sol. Nimble: quick and light in movement or action; agile.

Stiff: not easily bent or changed in shape; rigid.

Hence option B is the correct antonym.

S16. Ans.(b)

Sol. Wrath: extreme anger.

Delight: great pleasure.

Hence option B is the correct antonym.

S17. Ans.(d)

Sol. Validate: demonstrate or support the truth or value of.

Disprove: prove that (something) is false.

Hence option D is the correct antonym.

S18. Ans.(d)

Sol. Refer to the 1st line "Prime Minister, Narendra Modi, launched the country-wide implementation of Ayushman Bharat-Pradhan Mantri Jan Arogya Yojana (PM-JAY), or the **national health protection scheme**". Hence, option(d) is the correct choice.

S19. Ans.(b)

Sol. The second statement is wrong as there is only one free treatment every three seconds under PM-JAY. Refer to "Under PM-JAY, there is one free treatment every three seconds and two beneficiaries verified every second".

S20. Ans.(c)

Sol. Refer to, "As the scale of this scheme grows, a key area of focus is **to expand the secondary and tertiary hospitals empanelled under PM-JAY** and ensure their quality and capacity while keeping the costs down".

S21. Ans.(b)

Sol. Refer to last para, "an effective near-term approach is needed to improve efficiencies and bridge gaps within the existing supply and likely demand". Hence, option(b) is the correct choice.

S22. Ans.(a)

Sol. Refer to "Conservative estimates suggest that we would need more than 150,000 additional beds, especially in Tier-2 and -3 cities".

**S23. Ans.(a)**

Sol. Bring about: to make something happen

S24. Ans.(a)

Sol. Set up: to create something or start it

S25. Ans.(d)

Sol. Break up: to come to an end

S26. Ans.(b)

Sol. New Zealand's capital, Wellington, sits at the southwestern tip of North Island near the Cook Strait. The city is the second largest in New Zealand (after Auckland), and at 41 south latitude, it is the southernmost capital city in the world.

S27. Ans.(c)

Sol. Lake Tanganyika is an African Great Lake, It is the world's longest freshwater lake

S28. Ans.(c)

Sol. Majuli, the largest river island in the world, is situated in the northeastern state of Assam. Majuli means land in the midst of two rivers. It is formed by the Brahmaputra River in the south and the Kherkutia Xuti joined by the Subansiri River in the north.

S29. Ans.(d)

Sol. Korea is also called 'Land of Morning Calm'.

S30. Ans.(b)

Sol. Wular Lake It is sited in Bandipora district in Jammu and Kashmir. The lake basin was formed as a result of tectonic activity and is fed by the **Jhelum River**

S31. Ans.(d)

Sol. The National game of Switzerland is Shooting and Gymnastics.

S32. Ans.(a)

Sol. FIFA was founded on 21 May 1904 at Paris, France

S33. Ans.(a)

Sol. Red fort was completed on 6th April 1648, under the supervision of Shah Jahan

S34. Ans.(b)

Sol. Chess, Castling is a special type of chess move.

S35. Ans.(c)

Sol. International Renewable Energy Agency (IRENA) is headquartered in Masdar City, Abu Dhabi.

S36. Ans.(d)

Sol. Akbar's navaratnas were Abul-Fazal, Raja Todar Mal, Abdul Rahim Khan-I-Khana, Raja Birbal, Faizi, Mulla Do-Piyaza, Fakir Aziao-Din, Tansen and Raja Man Singh I.

S37. Ans.(c)

Sol. The Ghadar Party, initially the Pacific Coast Hindustan Association, was formed in 1913 in the United States.

It was founded by Sohan Singh Bhakna and Lala Hardayal. Its aim was to get rid of the colonial super-power by means of an armed struggle and to set up a national democratic government on the sub-continent.

S38. Ans.(c)

Sol. The Planning Commission was established on 15 March 1950

S39. Ans.(d)

Sol. Reykjavik is the capital of Iceland and it is the northernmost capital.

S40. Ans.(d)

Sol. The Govt. of India had launched "Project Tiger" on 1st April 1973 to promote conservation of the tiger

S41. Ans.(c)

Sol. Tennis. Double fault means hitting a fault on the second service.

S42. Ans.(d)

Sol. The French Open uses clay courts, making it unique among the Grand Slam tournaments.

S43. Ans.(b)

Sol. The Convention establishing the World Intellectual Property Organization (WIPO) comes into force and BIRPI is thus transformed to become WIPO. The newly established WIPO is a member state-led, intergovernmental organization, with its headquarters in Geneva, Switzerland.

S44. Ans.(a)

Sol. Chittaranjan Das popularly called Deshbandhu

S45. Ans.(d)

Sol. Siam, as Thailand was officially called until 1939.

S46. Ans.(b)

Sol. Thomas Cup, trophy signifying world supremacy in the sport of badminton. The cup was donated in 1939 by Sir George Thomas for a series of men's international team competitions to be managed by the International Badminton Federation (IBF), of which Thomas was then president.

S47. Ans.(d)

Sol. The Gangotri glacier is the largest glacier in the Garhwal Himalaya and the source of the sacred river Ganga

S48. Ans.(d)

Sol. The Bhagirathi River originates from Gaumukh Glacier.

S49. Ans.(c)

Sol. Jawaharlal Nehru is The First & The Longest Served Prime Minister of India. He took the command of the office from 15 August 1947 to 27 May 1964. He served for a total of 16 years & 286 days.

S50. Ans.(d)

Sol. Sardar Vallabhbhai Patel, remembered as the 'iron man of India,' on Tuesday on his death anniversary.

S51. Ans.(b)

Sol. The Thai Baht (THB) is the official currency of the Kingdom of Thailand. 1 THB is composed of 100 satangs and the currency is issued and managed by the central bank of Thailand.

S52. Ans.(a)

Sol. Pattachitra is a traditional painting of Odisha, India.

S53. Ans.(d)

Sol. The Terrestrial Planets. From top: Mercury, Venus, Earth and Mars. The planets Mercury, Venus, Earth, and Mars, are called terrestrial because they have a compact, rocky surface like Earth's terra firma. The terrestrial planets are the four innermost planets in the solar system.

S54. Ans.(b)

Sol. The Silver Revolution is related to the immense growth of egg production in India by using advanced methods and technologies to enhance efficient growth in poultry farming.

S55. Ans.(d)

Sol. Madam Curie won the 1911 Nobel Prize in Chemistry for her discovery of the elements polonium and radium

S56. Ans.(b)

Sol.

$$R = 20\%$$

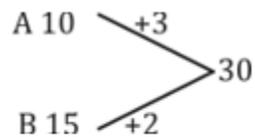
$$P\left(\frac{20}{100}\right)^2 = 1331$$

$$P \times \frac{1}{25} = 1331$$

$$P = 1331 \times 25 = 33,275$$

S57. Ans.(c)

Sol.



for 3 days $\times \frac{5 \text{ unit}}{\text{day}} = 15 \text{ unit}$

A will done the remining work = $\left(\frac{15}{3} = 5 \text{ days}\right)$

S58. Ans.(d)

Sol.

$$\text{Total age of 10 students} = 10 \times 32 = 320$$

$$\text{Total age of 11 (students + 1 teachers)} = 11 \times 33.5 = 368.5$$

$$\text{Age of teacher} = 368.5 - 320 = 48.5$$

S59. Ans.(a)

Sol.

$$L_T = S_T \times 15 \text{ sec}$$

$$L_T + L_p = S_T \times 47 \text{ sec}$$

$$15 S_T + 640 = 47 S_T$$

$$32 S_T = 640$$

$$S_T = 20$$

$$L_T = 20 \times 15 = 300\text{m}$$

S60. Ans.(b)

Sol.

$$\text{Successive discount of 40\% and 20\%} = 40 + 20 - \frac{40 \times 20}{100} = 60 - 8 = 52\%$$

$$\text{Selling Price} = \frac{100-52}{100} \times 1600$$

$$= \frac{48}{100} \times 1600$$

$$= 768$$

S61. Ans.(c)

Sol.

$$\text{Speed of boat upstream} = S_B - 0.5$$

$$\text{Speed of boat downstream} = S_B + 0.5$$

$$\frac{S_B+0.5}{S_B-0.5} = \frac{7}{4}$$

$$4 S_B + 2 = 7 S_B - 3.5$$

$$-3 S_B = -5.5$$

$$S_B = \frac{5.5}{30}$$

$$= \frac{11}{6} = 1 \frac{5}{6} \text{ m/s}$$

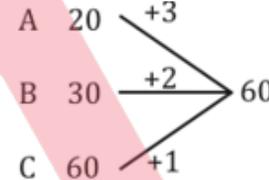
S62. Ans.(c)

Sol.

$$\frac{1.11}{19} \times \frac{380}{3.7} \div \left(\frac{1}{2} + \frac{1}{3}\right) = \frac{111}{19 \times 100} \times \frac{380 \times 10}{37} \div \left(\frac{2+3}{6}\right) = 7 \frac{1}{5}$$

S63. Ans.(a)

Sol.



ATQ,

$$\text{Total efficiency of A and B} = 3 + 1 = 4$$

$$1^{\text{st}} \text{ day} = 4$$

$$2^{\text{nd}} \text{ day} = 5$$

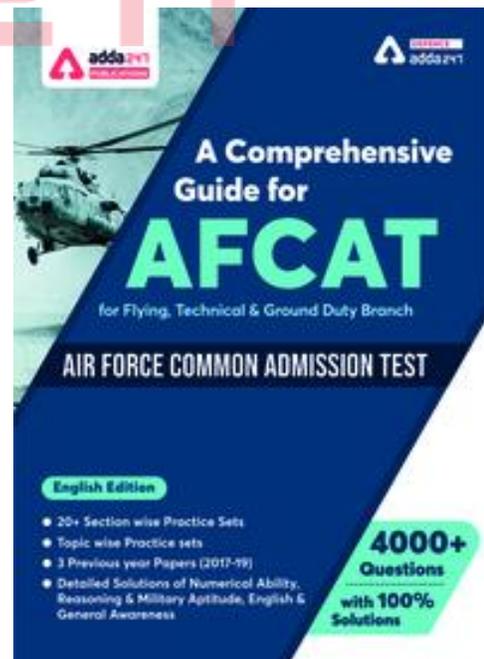
$$2 \times 6 \text{ day's work} = 9 \times 6$$

$$12 \text{ day's work} = 54$$

$$13^{\text{th}} \text{ days} = 58$$

$$13 \frac{2}{5} \text{ days} = 60$$

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S64. Ans.(d)

Sol.

$$\text{Overall loss} = \left(\frac{23}{10}\right)^2 = 5.29\%$$

S65. Ans.(a)

Sol.

$$\text{Total of 17th observation} = 17 \times 20 = 340$$

$$\text{Total of 18th observation} = 18 \times 18 = 324$$

$$18^{\text{th}} \text{ observation} = 340 - 324$$

$$= 16$$

S66. Ans.(b)

Sol.

$$R = 12\% \text{ p.a., Semi - annually} = \frac{R}{2} = 6\% \text{ p.a.}$$

$$4096 = 3375 \left(1 + \frac{6}{100}\right)^n$$

$$\frac{4096}{3375} = \left(\frac{16}{15}\right)^n$$

$$\left(\frac{16}{15}\right)^3 = \left(\frac{16}{15}\right)^n$$

So, n = 3 years

For semi - annually = 3/2

$$= 1\frac{1}{2} \text{ years.}$$

S67. Ans.(c)

Sol.

$$\begin{array}{l} A : B \quad \text{For} \quad B : C \\ 75x : 100x \quad 28 : 40 \end{array}$$

$$3 \times 7 : 4 \times 7$$

$$21 : 28$$

$$A : B : C$$

$$21 : 28 : 40$$

$$70\% \text{ of } C = 28$$

$$C = 40$$

$$C' \text{ salary difference for } B = 40 - 28$$

$$= 12$$

$$C' \text{ salary greater than } B = \frac{12}{28} \times 100 = 42.85\%$$

S68. Ans.(d)

Sol.

$$\text{Let } A = 100x$$

$$\text{So, B get for} = \frac{3}{4} \times 100x = 75x$$

$$\text{And C gets for} = \frac{80}{100} \times 75x = 60x$$

$$60x = 1800$$

$$x = 30$$

$$A = 100x = 3000$$

S69. Ans.(c)

Sol.

Formula for this type of questions

$$\frac{S_A}{S_B} = \sqrt{\frac{T_B}{T_A}}$$

$$\frac{24}{S_B} = \sqrt{\frac{16}{25}}$$

$$4 S_B = 5 \times 24$$

$$S_B = 30 \text{ km/hr}$$

S70. Ans.(a)

Sol.

$$\frac{A}{5} = \frac{B}{6} = \frac{C}{7} = K$$

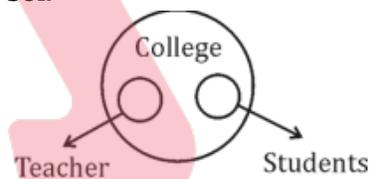
$$\text{Let } K = \text{LCM}(5, 6, 7) = 210$$

$$\text{then, } A = 42, B = 35, C = 30$$

$$\frac{A+B+C}{3} = \frac{42+35+30}{3} = \frac{47}{3} = 15\frac{2}{3}$$

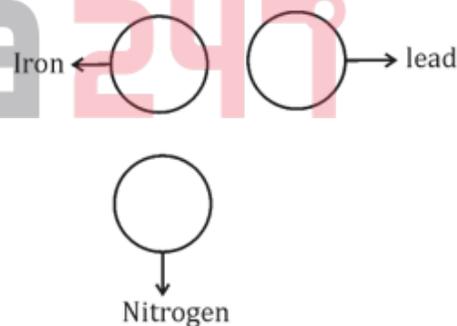
S71. Ans.(a)

Sol.



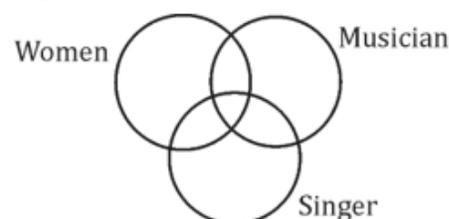
S72. Ans.(b)

Sol.



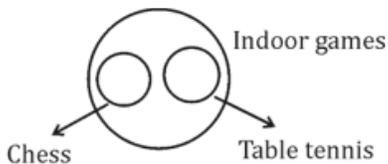
S73. Ans.(d)

Sol.



S74. Ans.(b)

Sol.



S75. Ans.(a)

Sol. Pakistan : Rupee :: Nigeria : Naira
Country and currency relation.

S76. Ans.(d)

Sol. Cataract : Eye :: Pneumonia : Lungs
Cataract related to Eye disease and similarly pneumonia related to lungs disease.

S77. Ans.(d)

Sol. Bihu : Assam :: Onam : Kerala
Bihu festival celebrated in Assam and Onam celebrated by Kerala people.

S78. Ans.(a)

Sol. International literacy Day : September 8 ::
International woman's day : March 8.

S79. Ans.(a)

Sol. All except "sailor" need raw material.

S80. Ans.(b)

Sol. All except "ostrich" are water birds.

S81. Ans.(c)

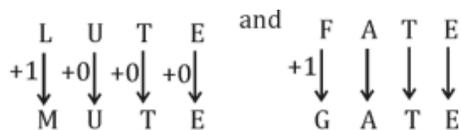
Sol. All except "Auricle" Part of lungs. while Auricle part of heart.

S82. Ans.(a)

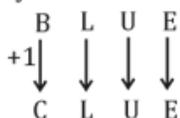
Sol. All except mendicant are synonyms.

S83. Ans.(a)

Sol.

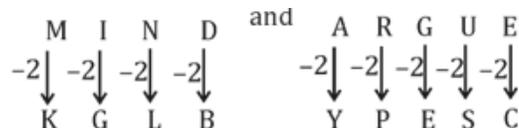


Similarly

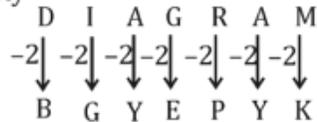


S84. Ans.(a)

Sol.

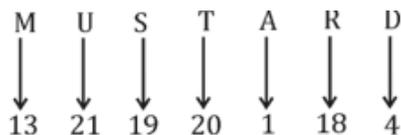


Similarly

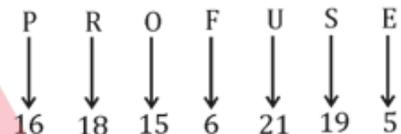


S85. Ans.(a)

Sol.



Similarly



S86. Ans.(a)

S87. Ans.(d)

S88. Ans.(b)

S89. Ans.(a)

S90. Ans.(c)

S91. Ans.(a)

S92. Ans.(b)

Sol.

A = 1 and CAT = 3 + 1 + 20 = 24
Similarly, POLICE = 16 + 15 + 12 + 9 + 3 + 5 ⇒ 60

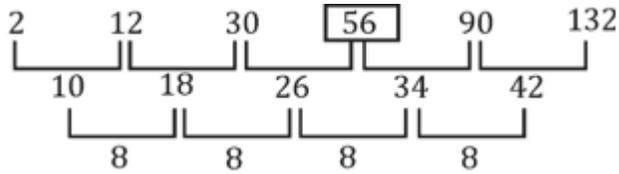
S93. Ans.(a)

Sol.

⇒ 25 + 5 × 7 - 12 ÷ 3
⇒ 25 + 5 × 7 - 12 ÷ 3
⇒ 5 × 7 - 12 + 3
⇒ 35 - 12 + 3
⇒ 26.

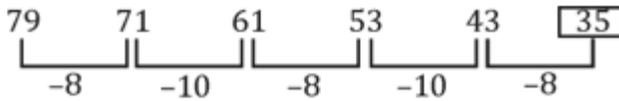
S94. Ans.(b)

Sol.



S95. Ans.(d)

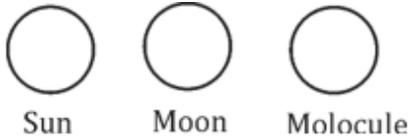
Sol.



S96. Ans.(d)

S97. Ans.(d)

Sol.



S98. Ans.(a)

Sol.



S99. Ans.(d)

Sol. All except "33" are prime number.

S100. Ans.(a)

Sol. All except "183" are in 200 series.



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