

EVERYDAY SCIENCE

- ## GENERAL STUDIES

- ## CURRENT AFFAIRS

21. Reserve Bank of India appointed _____ as new administrator of Punjab and Maharashtra Co-operative bank.
a) Jai Bhagvan Bhorla b) Kapil Sibal c) Saktikanta Das d) Manmohan Singh
22. The World Economic Forum's summit is to be held in _____ from 3-4 October.
a) Kathmandu b) New Delhi c) Islamabad d) Colombo

23. International day of Non Violence is observed on _____
a) 30 September b) 26 January c) 02 October d) 16 October
24. International translation day was observed on _____
a) 05 September b) 02 August c) 29 September d) 30 September
25. Government of Nepal released the denomination of coins 100, 1000 and 2500 to commemorate the birth of _____
a) Guru Nanak Dev b) Rajiv Gandhi c) Karunanidhi d) Indira Gandhi
26. International day of older persons was observed on _____
a) October 3 b) October 1 c) September 15 d) August 16
27. _____ is recommended as next chairman of Armed forces tribunal
a) Tahil Ramani b) Ranjan Gogoi c) Rajendra Menon d) Ramjith Malani
28. _____ took charge as 26th chief of the Indian Air Force
a) Marsha BS Dahona b) Rajkumar sinha c) Sanjay Sharma d) Rakesh Kumar Singh Bhadauria
29. Tamil Nadu Government launched its exclusive education TV channel named Kalvi Tholaikkatchi (Education TV). On _____
a) 27/08/2019 b) 29/08/2019 c) 15/08/2019 d) 02/08/2019
30. _____ is the state animal of Tamilnadu
a) Emerald Dove b) Nilgiri Thar c) Tiger d) Lion

QUANTITATIVE APTITUDE

31. The LCM of two numbers is 2079 and their HCF is 27. If one of the number is 189, find the other number?
(a) 293 (b) 295 (c) 297 (d) 299
32. If $() 12 44 48 3 2 f x \square x \square x \square x \square$ is a polynomial of x , which is the factor of the given polynomial?
(a) $x - 1$ (b) $x - 2$ (c) $x - 4$ (d) $x - 5$
33. If A can do a piece of work in 10 days and B can do the same work in 15 days, how long will they take to complete the work?
(a) 6 days (b) 7 days (c) 8 days (d) 9 days
34. Two pipes A and B can fill a tank in 36 hours and 45 hours respectively. If both the pipes are opened simultaneously, how much time will be taken to fill the tank?
(a) 14 hours (b) 16 hours (c) 18 hours (d) 20 hours
35. A train 50 metres long passes a platform 100 metres long in 10 seconds. What is the speed of the train? [Note: kmph means kilometer per hour]
(a) 50 kmph (b) 52 kmph (c) 54 kmph (d) 56 kmph

TEST OF REASONING

36. Look at this series: 53, 53, 40, 40, 27, 27, ... What number should come next?
A. 12 B. 14 C. 27 D. 53
37. CMM, EOO, GQQ, _____, KUU
A. GRR B. GSS C. ISS D. ITT
38. book
A. fiction B. pages C. pictures D. learning
39. A is the mother of B and C. If D is the husband of C. What is A to D.
A. Mother B. Sister C. Aunt D. Mother-in-law
40. If today is Thursday , after 730 days which will be the day of the week ?
a)Thursday b)Friday c)Saturday d)Monday

ANSWERS: GENERAL KNOWLEDGE-1 (14-12-2019)

EVERYDAY SCIENCE :-

1.C 2.D 3.A 4.B 5.B 6.C 7.D 8.C 9.C 10. D

GENERAL STUDIES :-

11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

CURRENT AFFAIRS :-

21.A 22. B 23. C 24. D 25. A 26.B 27.C 28. D 29.A 30.B

QUANTITATIVE APTITUDE :-

31.C 32.B 33.A 34.D 35.C

31. The required number =

First number

LCM X HCF

That is, answer = 297

189

2079 27

☐

x

[Option –C]

32. Here $f(2) = 0$ [that is at $x = 2$, $f(x) = 0$]. So $x - 2$ is the one of the factor of the given polynomial.

Answer [Option – B]

33. Formula is

$x y$

xy

☐

.

So answer is 6

25

150

10 15

10X15

☐ ☐

☐

[Option – A]

34. Formula is

$x y$

xy

☐

.

So answer is 20

81

1620

36 45

36X45

☐ ☐

☐

[Option – D]

35. Formula: Speed =

time taken

total distance

That is, answer is speed = 15m/s

10

150

10

50 100

☐ ☐

☐

= 54kmph

5

18

15X ☐ [Option – C]

TEST OF REASONING :-

36.B 37.C 38.B 39.D 40.C

36. Answer : B

In this series, each number is repeated, then 13 is subtracted to arrive at the next number

37. Answer : C

The first letters are in alphabetical order with a letter skipped in between each segment: C, E, G, I, K. The second and third letters are repeated; they are also in order with a skipped letter: M, O, Q, S, U.

38. Answer : B

The necessary part of a book is its pages; there is no book without pages. Not all books are fiction (choice a), and not all books have pictures (choice c). Learning (choice d) may or may not take place with a book

39. Answer : D

A is the mother of C and C is the wife of D. So, A is the mother-in-law of D, or D is the son-in-law of A.

40. Answer : C $730/7 = 2$ odd days. So Saturday will be the day of the week.

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST



GENERAL KNOWLEDGE

04-01-2020

EVERYDAY SCIENCE

1. For a fixed mass of gas at constant temperature, if we decrease volume, the pressure will ()
a) also decrease b) increase c) remains constant d) none of these
2. The Sun's mass is mainly consist of hydrogen (about 73%). The second main constituent (about 25%) is ()
a) hydrogen b) helium c) carbon dioxide d) nitrogen
3. The lifespan of Red Blood Cells is _____ days. ()
a) 60 b) 180 c) 200 d) 120
4. Each day human body breathe in _____ liters of air. ()
a) 5,000 to 10,000 b) 10,000 to 15,000 c) 15,000 to 20,000 d) 20,000 to 25,000
5. The substance which increases the rate of chemical reaction is ()
a) Metal b) Catalyst c) Alloy d) Enzymes
6. Sodium ions are "pumped" from a region of lower concentration to a region of higher concentration in the nerve cells of humans. This process is an example of ()
a) diffusion b) passive transport c) osmosis d) active transport
7. In the human body, the blood enters the aorta of the circulatory system from the: ()
a) Left atrium b) Left ventricle c) Right atrium d) Right ventricle
8. Bunchy top of banana plant disease is caused due to: ()
a) Bacteria b) Fungus c) Virus d) Algae
9. Lysergic acid diethylamide (LSD) is a drug used as a ()
a) Steroid b) Sedative c) Analgesic d) Hallucinogen
10. Gammaxene, D.D.T. and Bleaching powder are important compounds of ()
a) Chlorine b) Nitrogen c) Sulphur d) Phosphorus

GENERAL STUDIES

11. The account that records expenses, gains and losses is ()
a) Personal b) Real c) Nominal d) none of these
12. Real account records ()
a) Dealing with creditors b) Dealing in commodities c) Gains and losses d) all the above
13. In journal, the business transactions is recorded ()
a) Same day b) Next day c) Once in a week d) Once in a month
14. The supply of good refers to ()
a) Stock available for sale

- b) Total stock in the warehouse
 c) Actual production of the good
 d) Quantity of the good offered for a sale at a particular price per unit of time
15. Who is the "lender of the last resort" in the banking sector of the India? ()
 a) SBI b) RBI c) Exim Bank of India d) Union bank of India
16. A mixed economy is called ()
 a) Public sectors b) Private sector c) Public and private sector d) None of these
17. Who is the chief minister of Maharashtra? ()
 a) Uddhav Thackeray b) Devendra Fadnis c) Bal Keshav Thackeray d) None of these
18. The East India Association was set up in ()
 a) 1866 b) 1857 c) 1836 d) 1885
19. Secondary storage means for ()
 a) External storage b) Temporary storage c) Internal storage d) None
20. The brain of the computer is called ()
 a) Keyboard b) Mouse c) CPU d) All

CURRENT AFFAIRS

21. Who has won the Rajiv Gandhi Khel Ratna Award 2019? ()
 a) Sakshi Malik b) Mirabai Chanu c) Bajrang Punia d) None of the above
22. Recently, oil PSUs have signed a memorandum of understanding with _____ to set up centre of excellence. ()
 a) IIT Delhi b) IIT Madras c) IIT Bombay d) IIT Kanpur
23. Recently, _____ has started delivering policies and renewal premium receipt to customers through WhatsApp. ()
 a) Bharti AXA Life Insurance b) HDFC Life Insurance c) Max Life Insurance d) TATA AIA Life Insurance
24. Recently, Veer Savarkar International Airport has been declared as an authorized Immigration Check post. It is situated in _____. ()
 a) Lakshadweep b) Vishakhapatnam c) Panaji d) Port Blair
25. A blue coloured 'Baal Aadhar Card' was introduced for what age of children? ()
 a) Below 12 years b) Above 6 years c) Below 5 years d) Below 15 years
26. Recently, Google has won the approval from the Federal Communications Commission to deploy a radar-based motion sensing device known as _____. ()
 a) Project Soli b) Project Loon c) Project Nest d) Project Skybender
27. National Highways Authority of India has geared up a cloud-based system across toll plazas for what purpose? ()
 a) To find out the distance of toll gates b) To monitor traffic
 c) To deduct toll fee automatically d) To calculate the toll fee
28. Recently, _____ has launched Samwad with Students as part of its outreach programme. ()
 a) Ministry of Human Resource Development b) ISRO c) ICG d) DRDO
29. The 6th Women of India Organic Festival will be held in _____. ()
 a) New Delhi b) Chandigarh c) Mumbai d) Bhopal
30. The West Nile Virus was recently in news due to its outbreak in which state of India? ()
 a) Haryana b) Kerala c) Bihar d) Maharashtra

QUANTITATIVE APTITUDE

31. 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day? ()
 a) 9 b) 10 c) 11 d) 12
32. If 7 spiders make 7 webs in 7 days, then 1 spider will make 1 web in how many days? ()
 a) 1 b) 7/2 c) 7 d) 49
33. If $\log 27 = 1.431$, then the value of $\log 9$ is: ()
 a) 0.934 b) 0.945 c) 0.954 d) 0.958

34. What is the greatest number of four digits which is divisible by 15, 25, 40 and 75 ? ()
a) 9800 b) 9600 c) 9400 d) 9200
35. $935421 \times 625 = ?$ ()
a) 542622125 b) 584632125 c) 544638125 d) 584638125
- TEST OF REASONING**
36. m _ nm _ n _ an _ a _ ma _ ()
a) aamnan b) ammanm c) aammnn d) amammn
37. 2A11, 4D13, 12G17, ? ()
a) 36I19 b) 48J21 c) 36J21 d) 48J23
38. Choose the number which is DIFFERENT from the rest? ()
a) 28 b) 45 c) 72 d) 81
39. Directions: In the following question, different letters stand for various symbol as indicated below:
R:Addition S:Subtraction T:Multiplication U:Division V:Equal to W:Greater than X: Less than Out of the four alternatives given in the following question, only one is correct according to the above letter symbols. Identify the correct one according to the symbols given in the directions. ()
a) 24 U 3 R 2 S 2 W 8 b) 24 S 3 X 2 T 2 U 8 c) 24 R 3 S 2 X 2 T 8 d) 24 U 3 T 2 V 2 T 8
40. Siva is older than Ram. Muthu is older than Siva. Ram is older than Muthu.
If the first two statements are true, the third statement is ()
a) True b) False c) Uncertain d) None of these
- தமிழ்**
41. நிலத்தினும் பெரிதே வானினும் எனத் தொடங்கும் பாடல் ()
அ) நற்றிணை ஆ) குறுந்தொகை இ) அகநானூறு ஈ) புறநானூறு
42. களவழி நாற்பது நூலின் ஆசிரியர் யார்? ()
அ) கணிமேதாவியார் ஆ) சமணமுனிவர்கள் இ) பொய்கையார் ஈ) நல்லாதனார்
43. திருநாவுக்கரசரின் இயற்பெயர் யாது? ()
அ) தருமசேனர் ஆ) திராவிடசிசு இ) தம்பிரான் தோழர் ஈ) ஞானசம்பந்தர்
44. உரிமையால் பெயர் பெற்றவர் யார்? ()
அ) ஆண்டாள் ஆ) பெரியாழ்வார் இ) நம்மாழ்வார் ஈ) சுந்தரர்
45. மக்கள் கவிஞர் எனப் போற்றப்படுபவர் யார்? ()
அ) கண்ணதாசன் ஆ) வைரமுத்து இ) பட்டுக்கோட்டையார் ஈ) வாலி
46. “கோ” என்பதன் ஒரெழுத்து ஒருமொழி யாது? ()
அ) இறைவன் ஆ) பசு இ) மாதம் ஈ) நெருப்பு
47. பகுபத உறுப்புகளின் எண்ணிக்கை யாது? ()
அ) 4 ஆ) 5 இ) 6 ஈ) 7
48. விகாரப் புணர்ச்சி எத்தனை வகைப்படும்? ()
அ) 2 ஆ) 4 இ) 5 ஈ) 3
49. செய்யுளின் உறுப்புகள் எத்தனை வகைப்படும்? ()
அ) 4 ஆ) 6 இ) 5 ஈ) 3
50. முதல் இலக்கணம் மற்றும் காப்பிய நூல் எது? ()
அ) நன்னூல் - சிலப்பதிகாரம் ஆ) தொல்காப்பியம் - சிலப்பதிகாரம்
இ) தொல்காப்பியம் - மணிமேகலை ஈ) நன்னூல் - மணிமேகலை





ANSWERS: GENERAL KNOWLEDGE

(04-01-2020)

EVERYDAY SCIENCE :-

1. B 2. B 3. D 4. C 5. B 6. D 7. B 8. C 9. D 10. A

GENERAL STUDIES :-

11. C 12. B 13. A 14. D 15. B 16. C 17. A 18. A 19. A 20. C

CURRENT AFFAIRS :-

21. C 22. C 23. A 24. D 25. C 26. A 27. B 28. B 29. B 30. B

21.C: Rajiv Gandhi Khel Ratna Award 2019 is given to wrestler Bajrang Punia and Para athlete player Deepa Malik. In 2018, this highest sporting award was given to Virat Kohli and Mirabai Chanu.

22.C: IIT Bombay & 7 oil PSUs inked a MoU for setting up Centre of Excellence in Oil, Gas and Energy to develop a mechanism to link up our energy industry and academics & academics to address energy requirements with new and innovative, indigenous technology.

23.A: Bharti AXA Life Insurance has started delivering policies and renewal premium receipt to customers via instant messaging platform WhatsApp. It is a part of its alternative service option to the policy holders.

24.D: Veer Savarkar International Airport is located in Port Blair. It has been declared as an authorized Immigration Check post for entry into/exit from India with valid travel documents for all classes of passengers. Direct international flight & immigration facilities will be opened.

25.C: Unique Identification Authority of India introduced a 'Baal Aadhaar' card for children below the age of five years. No biometric details would be needed for getting a Baal Aadhaar. When the child becomes 5-year-old, a mandatory biometric update is required.

26.A: Google unit won approval from the FCC to deploy a radar-based motion sensing device known as Project Soli. Now Google can operate the Soli sensors at higher power levels than currently allowed. And the sensors can also be operated aboard aircraft.

27.B: NHAI is gearing up to monitor traffic using cloud-based system across toll plazas. The system will send automatic alerts to the concerned parties for immediate solutions. Automatic alerts like SMS, calls or emails will be sent to various authorities to find requisite solutions.

28.B: ISRO has launched Samwad with Students as part of its outreach programme. The Indian Space agency would engage youngsters across the country in activities concerning space science under this programme.

29.B: The Ministry of Women and Child Development will be hosting the 6th 'Women of India Organic Festival' in Chandigarh, to celebrate and promote women farmers and entrepreneurs in the organic sector from the remotest parts of India.

30.B: As per the media reports, a seven-year-old boy from Malappuram District of Kerala is suffering from a West Nile Virus (WNV), a mosquito-borne disease, mostly reported in the continental United States. The West Nile Virus is mainly transmitted to human beings by the bite of an infected mosquito.

QUANTITATIVE APTITUDE :-

31. D 32. C 33. C 34. B 35. D

31. D: Let the required number of working hours per day be x.

More pumps, Less working hours per day (Indirect Proportion)

Less days, More working hours per day (Indirect Proportion)

Pumps 4 : 3 } :: 8 : x
 }

Days 1 : 2

$$\therefore 4 \times 1 \times x = 3 \times 2 \times 8$$

$$\Rightarrow x = \frac{(3 \times 2 \times 8)}{(4)}$$

$$\Rightarrow x = 12.$$

32.C : Let the required number days be x.

Less spiders, More days (Indirect Proportion)

Less webs, Less days (Direct Proportion)

$$\begin{array}{lcl} \text{Spiders} & 1 : 7 & \\ & \left. \vphantom{\begin{array}{l} \text{Spiders} \\ \text{Webs} \end{array}} \right\} & :: 7 : x \\ \text{Webs} & 7 : 1 & \end{array}$$

$$\therefore 1 \times 7 \times x = 7 \times 1 \times 7 \Rightarrow x = 7.$$

$$33.C : \log 27 = 1.431 \Rightarrow \log (3^3) = 1.431 \Rightarrow 3 \log 3 = 1.431 \Rightarrow \log 3 = 0.477$$

$$\therefore \log 9 = \log(3^2) = 2 \log 3 = (2 \times 0.477) = 0.954.$$

34.B : Greatest number of four digits = 9999

$$\text{LCM of } 15, 25, 40 \text{ and } 75 = 600, \quad 9999 \div 600 = 16, \text{ remainder} = 399$$

Hence, greatest number of four digits which is divisible by 15, 25, 40 and 75 = $9999 - 399 = 9600$

$$35.D : 935421 \times 625 = 935421 \times 5^4 = 935421 \times (10/2)^4 = 935421 \times 10000 / 16 = 584638125$$

TEST OF REASONING :-

36. C

37. D

38. A

39. D

40. B

36.C: The series is man/man/man/man/man. The pattern 'man' is repeated.

37.D: The first numbers in the terms follow the sequence x 2, x 3, x 4. The letter moves three steps forward. The last numbers follow the sequence + 2, + 4, + 6. 48J23 is a missing sequence.

38.A: In all other numbers, the sum of the digits is 9. Hence, First option is correct

39.D: Given,

R stands for '+' S stands for '-' T stands for '*'

U stands for '÷' V stands for '=' W stands for '>' X stands for '<'

From option D) 24 U 3 T 2 V 2 T 8

---> $24 / 3 * 2 = 2 * 8$ ---> $8 * 2 = 2 * 8$ ----> is True.

40.B: Because the first two statements are true, Ram is the youngest of the three, so the third statement must be false.

TAMIL :-

41. அ 42. இ 43. ஏ 44. ஐ 45. ஓ
46. ஊ 47. ஞ 48. ஈ 49. ஆ 50. உ



VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST

GENERAL KNOWLEDGE



01-02-2020

EVERYDAY SCIENCE

- Which radioactive element used in heat pacemakers?
a) Uranium b) Deuterium c) Plutonium d) Radium
- Which one of the following does not contain silver?
a) german silver b) horn silver c) ruby silver d) Lunar caustic
- Which one of the following materials is suitable for water purification?
a) Silicones b) Zeolites c) Asbestos d) Quartz
- Which one of the following is a protein fibre?
a) Nylon b) Cotton c) Polyester d) Silk
- The National Chemical Laboratory(India) is located in
a) Pune b) Bengaluru c) Hyderabad d) Mumbai
- What is the chemical name for marble?
a) Potassium nitrate b) Calcium carbonate c) Titanium dioxide d) Calcium bicarbonate
- Which of the following inhibits DNA gyrase?
a) Paracetamol b) Trimethoprim c) Chloramphenicol d) Ciprofloxacin
- Liver damage is caused due to the overdose of which vitamin?
a) Vitamin B₁ b) Vitamin B₂ c) Vitamin B₃ d) Vitamin D
- Narcotics drugs such as codeine and morphine acts directly on
a) lungs and kidneys b) central nervous system c) kidneys and livers d) heart and lungs
- Megaloblastic anemia is caused due to deficiency of _____
a) Cobalamin b) Pyridoxine c) Niacin d) Folic acid

GENERAL STUDIES

- Who headed the committee on "Computerisation" in Indian Banks (1998)?
A. C. Rangarajan B. R.N. Malhotra C. S.Venkitramhan D. M.Narasimhan
- The Central Government has targeted to install 175 Giga Watt renewable energy in India by which year?
A. 2030 B. 2022 C. 2021 D. 2023
- The old name of Delhi was
A. Pataliputra B. Ayodhya C. Gaya D. Indraprastha
- Where is the Railway staff college situated?
A. Ahmedabad B. Vadodara C. Chandausi D. Varanasi

15. Who is the author of the book 'Life of Pi'?
A. Vishnu Sharma B. Sir Arthur Conan Doyle C. V.S.Naipaul D. Yann Martel
16. When was the first train in India started?
A. 1851 B. 1852 C. 1853 D. 1854
17. Which state has announced to launch its flagship universal health insurance scheme "Sarbat Sehat Bima Yojana" from July 2019?
A. West Bengal B. Karnataka C. Punjab D. Rajasthan
18. Which player wins the European Golden shoe awards 2019?
A. Lionel Messi B. Kylian Mbappe C. Mohames Salah D. Philippe Coutinho
19. Who will be awarded with India's highest film honour the prestigious Dada saheb phalke Award for the year 2019?
A. Dharmendra B. Amitabh Bachchan C. Dilip Kumar D. Manoj Kumar
20. India and World Bank have signed a USD 88 million loan agreement to improve in land water transport services of which among the following states?
A. Meghalaya B. Bihar C. Assam D. Tripura

CURRENT AFFAIRS

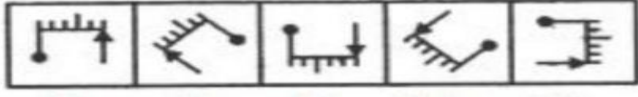
21. Who among the following actresses has been selected for the Padma Shri award 2020?
a) Deepika Padukone b) Kangana Ranaut c) Alia Bhatt d) Katrina Kaif
22. Who won the maximum awards at the 62nd annual Grammy Awards?
a) Billie Eilish b) Lizzo c) Lady Gaga d) Lil Nas X
23. Which album won the award for 'Best Rock Album' at the Grammy 2020 awards?
a) Amo b) Social Cues c) In the End d) Trauma
24. Which state has launched 'Shiv Bhojan' scheme for the poor?
a) Madhya Pradesh b) Jharkhand c) Uttar Pradesh d) Maharashtra
25. What is the name of NBA player who recently died in a helicopter crash?
a) Stephen Paul b) Russel Westbrook c) James Harden d) Kobe Bryant
26. Which state's insurgent groups signed a peace accord with the Indian Government on January 27, 2020?
a) Jharkhand b) Chattisgarh c) Assam d) Nagaland
27. The Union Government has offered to sell its 100 percent stake in which airlines?
a) Vistara b) Air India c) Air Asia d) Indigo
28. Which state's Chief Electoral Officer has won the ECI award for providing accessibility to vote to persons with disabilities during Lok Sabha Elections 2019?
a) Punjab b) Maharashtra c) Uttar Pradesh d) Delhi
29. When is National Voter's Day celebrated in India?
a) 24th January b) 25th January c) 26th January d) 27th January
30. Which state's cabinet passed a resolution to abolish the Legislative Council on January 27, 2020?
a) Telangana b) West Bengal c) Andhra Pradesh d) Maharashtra

QUANTITATIVE APTITUDE

31. What least number must be added to 1056, so that the sum is completely divisible by 23 ?
a) 2 b) 3 c) 18 d) 21
32. The sum of first five prime numbers is:
a) 11 b) 18 c) 26 d) 28
33. Find the odd man out. 396, 462, 572, 427, 671, 264
a) 396 b) 427 c) 671 d) 264
34. Find out the wrong number in the series. 445, 221, 109, 46, 25, 11, 4
a) 221 b) 109 c) 46 d) 25
35. Look at this series: 1.5, 2.3, 3.1, 3.9, ... What number should come next?
a) 4.2 b) 4.4 c) 4.7 d) 5.1

TEST OF REASONING

36. The second half of the English alphabets are written in reverse alphabetical order. The remaining are all written in alphabetical order. The letter in the 17th position from the left is:
a) Q b) W c) R d) V
37. Which number should come next in the series: 19, 29, 40, 44,
a) 88 b) 55 c) 52 d) 64
38. Pointing towards a woman in the picture, Sarita said, "She is the mother of Neha whose father is my son". How is Sarita related to the woman in the picture?
a) Grandmother b) Aunt c) Cousin d) Mother-in-law
39. Identify the odd one among the following:



(1) (2) (3) (4) (5)

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

40. Which interchange of signs will make the following equation correct?

$$35+7*5\div5-6=24$$

a) + and - b) + and * c) ÷ and + d) - and ÷

தமிழ்

41. “தென் தமிழ் மதுரைச் செழுங்கலைப் பாவாய்” என்ற அடி இடம் பெற்ற நூல் எது?

அ.திருப்பாவை ஆ.தேவாரம் இ.மணிமேகலை ஈ.நற்றிணை

42. சங்ககாலத்தில் நாணயங்களைப் பரிசோதிக்கவல்ல அரசாங்க அலுவலர் எவ்வாறு அழைக்கப்பெற்றார்?

அ.வணிகர் ஆ.கணக்கர் இ.ஏனாதி ஈ.வண்ணக்கன்

43. ஆதிநிகண்டு என அழைக்கப்பெறுவது எது?

அ.திவாகரம் ஆ.பிங்கலந்தை இ.சூடாமணி ஈ.சிந்தாமணி

44. இரவிலும் அரசியல்பணிமேற்கொள்ளும் மன்னனைத் துயில் வேண்டிப் பாடுதல்---

அ.கடைநிலை ஆ.கண்படைநிலை இ.கடிகைவெண்பா ஈ.காப்புமாலை

45. ‘வடு’ என்பது யாருடைய சுயசரிதை நூல்?

அ.திரு.வி.க ஆ.கண்ணதாசன் இ.கே.ஏ.குணசேகரன் ஈ.லா.ச.ரா

46. ‘கல்விக்கழகசுடறமொழிதல்’ யார் கூற்று?

அ.ஒளவையார் ஆ.குமரகுருபரர் இ.புகழேந்தி ஈ.அதிவீரராமபாண்டியர்

47. 12000 சூத்திரங்களுக்கு மேல் கொண்ட மறைந்த பேரிலக்கண நூல் எது?

அ.அகத்தியம் ஆ.தொல்காப்பியம் இ.நன்னூல் ஈ.வீசோழியம்

48. 2019 ஆம் ஆண்டு சாகித்ய அகாதமி விருது பெற்ற புதினம் எது?

அ.காந்தள் நாட்கள் ஆ.சூல் இ.அஞ்ஞாடி இ.கொற்கை

49. தமிழில் தோன்றிய முதல் உலாநூல்-----

அ.மூவருலா ஆ.திருவாணக்கா உலா இ.திருக்கைலாயஞான உலா ஈ.மதுரைச் சொக்கநாதருலா

50. பஞ்சரத்தினத் தாலாட்டு இயற்றியவர் யார்?

அ.காசிம்புலவர் ஆ.உமறுப்புலவர் இ.முகியித்தீர் ஆண்டவர் ஈ.அசனலிப்புலவர்

ANSWERS: GENERAL KNOWLEDGE



(01-02-2020)

EVERYDAY SCIENCE :-

1. C 2. A 3. B 4. D 5. A 6. C 7. D 8. C 9. B 10. D

GENERAL STUDIES :-

11. A 12. B 13. D 14. B 15. D 16. C 17. C 18. A 19. B 20. C

CURRENT AFFAIRS :-

21. B 22. A 23. B 24. D 25. D 26. C 27. B 28. A 29. B 30. C

21. The government of India announced the names of Padma Shri award 2020 winners on January 26, 2020. The list includes Bollywood actress Kangana Ranaut, film director/ producer Karan Johar and Ekta Kapoor among others. The Padma Awards are announced every year on the occasion of the Republic Day.

22. (a) Billie Eilish : Billie Eilish won maximum awards along with her brother Finneas including best song and record of the year for 'Bad Guy' at the 62nd annual Grammy Awards ceremony in Los Angeler on January 26, 2020. She also became the first artist to win Album of the Year, Record of the Year, Song of the Year and Best New Artist in the same year after Christopher Cross in 1981.

23. (b) Social Cues : American rock band Cage the Elephant's album, Social Cues won 'Best Rock Album' at the Grammy 2020 awards.

24. (d) Maharashtra : The Maharashtra state government launched the 'Shiv Bhojan' scheme on January 26, 2020. The scheme aims to provide a meal to the poor in just Rs 10.

25. (d) Kobe Bryant : NBA legend Kobe Bryant passed away in a tragic plane crash on January 26, 2020. Bryant is counted among the greatest players of basketball ever. He had played for Los Angeles Lakers for over 20 years and the NBA title five times. Bryant's 13-year-old daughter Gianna also died in the crash.

26. (c) Assam : Home Minister Amit Shah, National Democratic Front of Bodoland (NDFB), All Bodo Students Union (ABSU) and the Assam Government signed a historic peace accord on January 27, 2020. The Indian Government believes that the accord will bring peace in the region.

27. (b) Air India : The Union Government has announced its plan of selling its 100 percent stake in Air India on January 27, 2020. The government has invited bids with March 17 as the deadline for the expression of interest (EOI) submissions.

28. (a) Punjab : President Ram Nath Kovind conferred the 'Best CEO for Accessible Elections' award to Punjab chief electoral officer S Karuna Raju at a ceremony on January 25, 2020. The Punjab Chief Election Officer was honoured for providing accessibility to vote to senior citizens, persons with disabilities (divyang) and ill persons during Lok Sabha elections 2019.

29. (b) 25 January : The National Voters' Day is celebrated annually on January 25. The day was celebrated for the first time in January 2011. The election commission of India was founded on January 25, 1950.

30. (c) Andhra Pradesh : The Andhra Pradesh Cabinet passed a resolution proposing the abolishment of the state Legislative Council on January 27, 2020. The ruling Jagan Mohan Reddy-led YSR Congress has a minority in the Legislative Council.

QUANTITATIVE APTITUDE :-

31.A

32.D

33.B

34.C

35.C

31. Answer: Option A

Explanation: If the number 1056 is completely divisible by 23 means, remainder should come zero.

But if we divide 1056 by 23, the remainder is 2.

So if 2 is added to the 1056, we get remainder 0.

Therefore solution is 2

32. Answer: Option D

Explanation: Required sum = $(2 + 3 + 5 + 7 + 11) = 28$.

Note: 1 is not a prime number.

Definition: A prime number (or a prime) is a natural number that has exactly two distinct natural number divisors: 1 and itself.

33. Answer: Option B

Explanation:

In each number except 427, the middle digit is the sum of other two.

34. Answer: Option C

Explanation:

Go on subtracting 3 and dividing the result by 2 to obtain the next number.

Clearly, 46 is wrong.

35. Answer: Option C

Explanation:

In this simple addition series, each number increases by 0.8.

TEST OF REASONING :-

36.B

37.C

38.D

39.A

40.C

TAMIL :-

41. இ

42. ஈ

43. ஏ

44. ஆ

45. இ

46. ஈ

47. ஏ

48. ஆ

49. இ

50. ஈ



GENERAL KNOWLEDGE

EVERYDAY SCIENCE

- Places where the temperature of air is above freezing point of the water, the precipitation will be in the form of _____ ?
A. Hailstorms B. Thunders C. Rain D. Lightning
- Medium which sends signal from source to destination is known as _____ ?
A. Transmitter B. Transmission channel C. Receiver D. Hardware
- Electric motor was invented by _____ ?
A. Michael Faraday B. Oliver Evans C. Thomas Edison D. Horace Day
- Atom was a name given by _____ ?
A. Democritus B. Bohr C. Rutherford D. Archimedes
- Example of gas having monoatomic molecules is _____ ?
A. Nitrogen D. Nydrogen C. Neon and argon D. Oxygen and nitrogen
- Which part of the body is attacked by "Gingivitis" disease?
A. Eyes B. Nails C. Gums D. Nostrils
- How many bones are in human Eyes? A. Three B. Four C. Five D. Seven
- Which Planet is known as Watery Planet?
A. Earth B. Mars C. Jupiter D. Mercury
- Which is the Coldest Planet ? A. Earth B. Venus C. Mercury D. Neptune
- Joint in which bones are joined together by fibrous tissues is called _____ ?
A. Fibrous joint B. Cartilaginous joint C. Synovial joint D. Ball and socket joint

GENERAL STUDIES

- Chandrayaan 1 launching is pioneered by the Tamil Nadu scientist by name
a) Dr. A. Kasthuri rangam b) Dr. M. Annadurai c) A. Velmurugan d) Dr. Rajaraman
- The book 'Wings of Fire' is written by
a) Jawaharlal Nehru b) R.K. Narayanan c) Indira Gandhi d) A.P.J. Abdul kalam
- In the solar system which planet does not have any satellite? a) Mars b) Mercury c) Jupiter d) Saturn
- Economic planning in India is in
a) Union List b) State list c) Con-current list d) Not any specified list
- Who is the head of the Union Executive?
a) Prime minister b) President c) Speaker of Lok Sabha d) Vice-President
- Pen drives are a) Input devices b) storage devices c) Imaging devices d) display devices
- Kalakad-Mundathurai sanctuaries are related to
a) Lions b) Rhinoceros c) Birds d) Tigers
- Origin of species is written by a) S.L. Miller b) A.I. Oparin c) Charles Darwin d) Hugo de-vries
- Ustad Zakir Hussain is associated with a) Ghazal b) Tabla c) Violin d) None of these
- The unit of acceleration is a) ms^{-2} b) ms^{-1} c) ms d) ms^2

CURRENT AFFAIRS

- Who elected as President of Paralympic Committee of India on February 1, 2020?
a) Rao Inderjit Singh b) Gursharan Singh c) Deepa Malik d) Kavender Chaudhury
- Which of the following International Leader coming to India on February 24 – 25, 2020?
a) Mohammad Ashraf Ghani b) Bidhya Devi Bhandari c) Mamnoon Hussain d) Donald Trump
- Which of the following movies got best picture award from Oscar 2020?
a) Parasite b) Ford v Ferrari c) The Irishman d) Jojo Rabbit
- Amazon has partnered with Which zone of Indian Railways to set up a pick-up kiosk (a small hut) at the railway station (Jan 2020)?
a) Southern Railways b) Northern Railways c) Western Railways d) Eastern Railways
- Who was invited by Indian Olympic Association (IOA) to be Goodwill Ambassador of Team India at Tokyo Olympics 2020 (July 24 – August 9, 2020)?
a) Sachin Tendulkar b) Mary Kom c) Sourav Ganguly d) Priyanka Chopra
- Which group of countries has announced to work with United Nation (UN), World Health Organization (WHO) and Republic of China to tackle the outbreak of novel coronavirus (nCoV) (Feb 2020)?
a) G7 b) G20 c) ASEAN d) SAARC

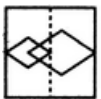
27. With which country India has signed Memorandum of Understanding (MoU) for the sustainable development in fisheries department September 2019 (cabinet approval in Feb 2020)?
 a) Sri Lanka b) Maldives c) Iceland d) Bangladesh
28. Who is the No.1 Test batsman as per International Cricket Council's (ICC) Men's Test ranking 2020 (Released on 11 Feb, 2020)?
 a) Steve Smith b) Babar Azam c) Virat Kohli d) Marcus Labuschagne
29. The 15th Finance Commission forms 8-member panel to boost the agricultural exports. Who is the head of the panel?
 a) AN Jha b) Ajay Bhalla c) NK Singh d) Sanjiv Puri
30. Which country has approved the sale of Integrated Air Defence Weapon system to India for an estimated cost of \$1.867 Billion (Feb 2020)?
 a) Russia b) United States c) Israel d) France

QUANTITATIVE APTITUDE

31. What is the probability of getting an even number when a dice is rolled?
 A. 1/5 B. 1/2 C. 1/3 D. 1/4
32. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?
 A. 5 B. 7.4 C. 6.25 D. 5.5
33. If $a=0.2917$, then the value of $\sqrt{4a^2 - 4a + 1} + 3a$ is
 A. 1.2917 B. 2.2917 C. 0.2917 D. 0.5834
34. A shopkeeper sold an article for Rs. 2500. If the cost price of the article is 2000, find the profit percent. A. 23% B. 25% C. 27% D. 29%
35. What is the HCF of 1095 and 1168? A. 37 B. 73 C. 43 D. 83

TEST OF REASONING

36. In a certain code 'il be pee' means 'roses are blue', 'sik hee' means 'red flowers' and 'pee nut hee' means 'flowers are vegetables'.
 A) sik pee hee be B) il sik nut hee C) pee sik nut hee D) nut sik hee pee
37. pqr_r_r_qp__qrp
 A) qppqr B) qprpq C) pqpqr D) qrpqq
38. A walks 10 m towards East and then 10 m to his right. Then every time turning to his left, he walks 5, 15 and 15 m, respectively. How far is he now from his starting point?
 A) 10 m B) 5 m C) 15 m D) 20 m
39. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



(X)

A) 1



(1)

B) 2



(2)

C) 3



(3)

D) 4



(4)

40. Choose the alternative which is closely resembles the water-image of the given combination.

US91Q4M5W3

(1) N28J04W2M3

(2) N26J04W2M3

(3) NS8J04W2M3

(4) N28J04W2M3

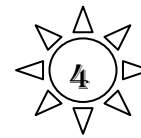
A) 1

B) 2

C) 3

D) 4

ANSWERS: GENERAL KNOWLEDGE



(22-02-2020)

EVERYDAY SCIENCE :-

1.C	2.B	3.A	4.A	5.C	6.C	7.D	8.A	9.D	10.A
11.B	12.D	13.B	14.C	15.B	16.B	17.D	18.C	19.B	20.A

11.B Myswamy Annadurai is an Indian *scientist* working as vice president for *Tamil Nadu State ... Chandrayaan-1*, was India's first mission to the Moon *launched* by India's national space agency.

12.D Book cover for *A P J Abdul Kalam's Wings of Fire*. *Wings of Fire: An Autobiography of A P J Abdul Kalam* (1999), former President of India. It was written by Dr. *Kalam* and *Arun Tiwari*.

13.B Mercury and Venus

Mercury is the first planet from the sun in the solar system as well as the smallest planet among the eight planets. Named after the Roman god Mercury, the planet also has the shortest orbital period around the sun due to its closeness to the sun. As stated earlier, the planet does not have any known natural satellites due to a number of reasons.

Just like Mercury, Venus also does not have any known natural satellites. Venus is the second innermost planet from the sun in the solar system. The planet has an orbital period of about 243 days although its orbital direction is unlike most of the other planets. In order to understand why the two do not have any natural satellite, it is crucial to have an understanding of how natural satellites are formed and why it is impossible for them to have any.

14.C Economic and social planning is enlisted in the Concurrent List under the Seventh Schedule of the Constitution of India, which form the joint domain of both the State Governments and the Union territories of India as well as the Central Government of India.

15.B The first and foremost part of the Executive is the President. Article 52 states that there shall be a President of India. The President is considered the Executive head of the country. All the Executive business of the country is carried out in the name of the President.

16.B Pendrive or commonly called as USB (Universal Serial Bus) flash drive is a popular data storage media having a storage capacity of 512GB. This is a kind of memory card that can be plugged into the computers USB port and they are considered to be the best because they are faster, smaller and have longer life span.

17.D *Kalakkad Mundanthurai* Tiger Reserve (KMTR) located in the Southern Western Ghats in Tirunelveli District and Kanyakumari District in the South Indian state of Tamil Nadu, is the second-largest protected area in Tamil Nadu State (behind only Sathyamangalam Wildlife *Sanctuary* in Erode)

18.C On the Origin of Species (or, more completely, On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life), published on 24 November 1859, is a work of scientific literature by Charles Darwin which is considered to be the foundation of evolutionary biology.

19.B *Ustad Zakir Hussain* (born 9 March 1951) is an Indian tabla virtuoso, composer, percussionist, music producer, film actor and eldest son of legendary tabla player *Ustad Allah Rakha*. He was awarded the Padma Shri in 1988, and the Padma Bhushan in 2002, by the Government of India presented by President Abdul Kalam.

20.A The SI *unit of acceleration* is the metre per second squared ($m\ s^{-2}$); or "metre per second per second", as the velocity in metres per second changes by the *acceleration* value, every second.

CURRENT AFFAIRS :-

21.C	22.D	23.A	24.D	25.C	26.A	27.C	28.C	29.D	30.B
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21. Padma Shri awardee Deepa Malik elected as President of Paralympic Committee of India On February 1, 2020 India's lone woman Paralympic medalist Deepa Malik, 49 years old, Sonapat from Haryana, was elected as President of the Paralympic Committee of India. He was the successor of the acting interim president Gursharan Singh.

22. US President Donald Trump will embark on a two-day visit to India from February 24 during which he will travel to New Delhi and Ahmedabad to further strengthen the strategic bilateral partnership and highlight the strong and enduring bonds between the American and Indian people, the White House announced on Tuesday. President Trump will be accompanied by First Lady Melania Trump and they will visit India on February 24-25, White House Press Secretary Stephanie Grisham said.

23. *Parasite* (Korean: 기생충; RR: Gisaengchung) is a 2019 South Korean tragicomedy thriller film directed by Bong Joon-ho, who also co-wrote the screenplay with Han Jin-won. It stars Song Kang-ho, Lee Sun-kyun, Cho Yeong-jeong, Choi Woo-shik, Park So-dam, and Jang Hye-jin and follows the members of a poor family who scheme to become employed by a wealthy family by infiltrating their household and posing as unrelated, highly qualified individuals. The film premiered at the 2019 Cannes Film Festival on 21 May 2019, where it became the first South Korean film to win the Palme d'Or and the first film to win with a unanimous vote since *Blue Is the Warmest Colour* at the 2013 Festival.

24. Multinational National company (MNC) Amazon India has partnered with Eastern Railways in order to set up a pick-up kiosk at the Sealdah railway station in Kolkata, West Bengal. Previously successful pilot of pickup kiosks in 4 railway stations across Mumbai, Maharashtra was set up in 2019.

25. Indian Olympic Association (IOA) has invited BCCI President Sourav Ganguly to become the Goodwill Ambassador of the Indian contingent at the Tokyo Olympics Games 2020, which is scheduled to be held from July 24 to August 9, 2020

26. On February 04, 2020 the G7 (Group of 7) countries has announced to work with the World Health Organisation(WHO), the European Union (EU) and People's Republic of China, in order to tackle the recent outbreak of Novel Coronavirus(nCoV).

27. The Union Cabinet has approved the Memorandum of Understanding (MoU) between India and Iceland in the field of sustainable fisheries development. This MoU was signed by India and Iceland on September 10, 2019.

28. As per the ICC (International Cricket Council) Men's test ranking 2020 released on 11th February 2020, Indian cricket team captain Virat Kohli has retained his top position with 928 points in the list of batsmen. At the same time, Pakistan batsman Babar Azam, who scored a century in the first Test match against Bangladesh, has jumped two places to 5th in test batting rankings with 800 points.

29. On February 17, 2020, The 15th Finance Commission has set up a 8-member group led by ITC chairman and managing director (MD) Sanjiv Puri to recommend measurable performance incentives for the states, so as to promote exports & also to encourage the concerned crops to ensure replacement of more imports. The committee will submit its recommendations within 3 months.

30. The United States of America, President Donald Trump's Administration has approved the sale of an Integrated Air Defence Weapon System (IADWS) to India for an Estimated cost of USD 1.867 billion announced by the Defence Security Co-operation Agency(DSCA) part of United States Department of Defence.

QUANTITATIVE APTITUDE :-

31.B 32.C 33.A 34.B 35.B

31. B Explanation: The sample space when a dice is rolled, $S = (1, 2, 3, 4, 5 \text{ and } 6)$

So, $n(S) = 6$, E is the event of getting an even number. So, $n(E) = 3$

So, the probability of getting an even number $P(E) = n(E)/n(S) = 3/6 = \frac{1}{2}$

32. C Runs scored in first 10 overs $= 10 \times 3.2 = 32$, Required runs $= 282$
 Remaining runs to be scored $= 282 - 32 = 250$, Remaining overs $= 40$
 Required run rate $= 250/40 = 6.25$

33. A

$$\sqrt{4a^2 - 4a + 1} + 3a = \sqrt{(1 - 2a)^2} + 3a = (1 - 2a) + 3a = 1 + a = 1 + 0.2917 = 1.2917.$$

34. B C.P. = Rs. 2000, S.P. = Rs. 2500, Profit or Gain = S.P. - C.P. = 2500 - 2000 = 500
 Apply formula: Profit % $= (\text{Profit}/\text{C.P.}) \times 100 = (500/2000) \times 100 = 25\%$

35. B By Division method

1095	1168	1
	10959(-)	
	73	1095
		73(-)
		365
		365(-)
		0

Therefore HCF is 73

TEST OF REASONING :-

36.C 37.A 38.B 39.A 40.D

GENERAL KNOWLEDGE

EVERYDAY SCIENCE

1. Which one of the following waves are used by the common TV remote control?
a) Radio waves b) Lasers c) Infrared waves d) Ultrasonic waves
2. The daily average demand of electricity for Tamil Nadu is around
a) 14000-15000 MW b) 5000-10000 MW c) 13500-14500 MW d) 10000 – 20000 MW
3. The phenomenon that cannot take place in sound waves is
a) reflection b) interference c) diffraction d) polarization
4. The term SIV stands for
a) Simino Immune Virus b) Simple Immunity Virus c) Sample Impure Virus d) System Immune Virus
5. Which one is a prime natural resource for human need and a precious national asset?
a) air b) food c) water d) forest
6. The following event(s) occur during photosynthesis
a) absorption of light energy by chlorophyll b) conversion of light energy to chemical energy
c) reduction of carbon dioxide to carbohydrates d) all of the above
7. Which of the following is not a primary food product?
a) vegetables b) milk c) cereals d) fruits
8. What is blood pressure?
a) it is the pressure that the blood clot exerts over the brain
b) it is the pressure that blood receives on account of faulty commands from the brain
c) it is the pressure that fatness or old age exerts on the body's circulatory system
d) it is the amount of pressure on the blood as a result of the heart's pumping function and the resistance of the arterial walls
9. Why Aluminium is used for making cooking utensils?
a) it is good conductor of heat b) it is sonorous c) it is malleable d) none of the above.
10. Name the gas which is found in abundance in earth in both combine and free state with other elements?
a) Oxygen b) Nitrogen c) Hydrogen d) Sulphur

GENERAL STUDIES

11. The Consumer Protection Act 2019, which is to come into force from April, 2020, makes provisions related to "class action suits". This suit can be invoked to___?
a) Sue many producers of same product b) Recall an entire batch of faulty products
c) Sue entire management team of the producers of faulty products
d) Claim damages for an entire group of consumers of faulty product.
12. After initially dropping shooting and archery from Commonwealth Games, 2022, it has been recently decided that these two sports will be included and will be organized and funded in India as a part of Birmingham Commonwealth Games, 2022. What is the venue of these two sports in India?
a) New Delhi b) Chandigarh c) Bengaluru d) Hyderabad
13. In which city, India's Central Vista project, that was recently in news, is coming up?
a) New Delhi b) Mumbai c) Hyderabad d) Bengaluru
14. Which of the following African countries has been recently listed in the FATF's grey list?
a) Gabon b) Algeria c) Kenya d) Mauritius
15. Who heads the IRDAI committee looking into issue of indemnity based health insurance products for life insurance companies?
a) D Rajkumar b) Pravin Kumar Purwar c) Pradosh Kumar Rath d) MR Kumar
16. For the first time, which of the following supranational banks has listed Masala Bonds in the Global Securities Market?
a) World Bank b) Asian Development Bank
c) Asian Infrastructure Investment bank d) African Development Bank
17. What is the current number of members in the BIMSTEC grouping?
a) 5 b) 6 c) 7 d) 8
18. In which year, the MoU to establish the 'BIMSTEC grid interconnection' was signed between the members of BIMSTEC countries?
a) 2016 b) 2017 c) 2018 d) 2019

19. The proposed Santusht app is for the beneficiaries of which scheme?
 a) National Saving Certificates Scheme b) Employees state Insurance (ESI) scheme
 c) PMKISAN d) None of them
20. Antihydrogen, which was recently in news, is composed of ___?
 a) Positron and proton b) Nuetron and proton c) Positron and Antiproton d) Neutrino and Neutron

CURRENT AFFAIRS

21. Vellbergia bartholomaei, which was seen in news recently, belongs to which species?
 a. frog b. lizard c. Snake d. spider
22. Leo Varadkar, who recently tendered his resignation, was the Prime Minister of which country?
 a. Ireland b. Greece c. France d. The Netherlands
23. Which State Government has ordered destruction of breeding centres of Thai Mangur fish?
 a. Odisha b. Assam c. West Bengal d. Maharashtra
24. Atal Kisan – Majdoor canteens' scheme is associated with which state?
 a. Madhya Pradesh b. Haryana c. Uttarakhand d. Uttar Pradesh
25. Shyama Prasad Mukherji Rurban Mission is implemented by which Union Ministry?
 a. Ministry of Personnel, Public Grievances and Pensions b. Ministry of Housing and Urban Affairs
 c. Ministry of Rural Development d. Ministry of Agriculture & Farmers Welfare
26. "viewpoints" which was recently in news, is an application of which major technological company?
 a. Google b. Instagram c. Twitter d. Facebook
27. Which State/UT was host to the "National Organic Food Festival," held recently?
 a. Lakshadweep b. New Delhi c. Maharashtra d. Assam
28. India is set to provide grant to which country for up-gradation of plantation schools, for India-origin estate workers.
 a. Bangladesh b. Nepal c. Sri Lanka d. Laos
29. "Thal Sena Bhawan," which was seen in news recently, is to be built in which state/UT
 a. New Delhi b. Jammu and Kashmir c. Chandigarh d. Ladakh
30. India's first floating jetty has been inaugurated in which state/UT?
 a. Andhra Pradesh b. Mumbai c. Goa d. Gujarat

QUANTITATIVE APTITUDE

31. What percentage of numbers from 1 to 50 have 0 or 5 in the unit's digit?
 (A) 5% (B) 10% (C) 15% (D) 20%
32. In a family, the father took $\frac{1}{4}$ of the cake, and he had 3 times as much as each the other members had. The total number of family members is (A) 3 (B) 7 (C) 10 (D) 12
33. Traffic lights at three different junctions change simultaneously at morning 8.00 am. The first light changes once in 30 seconds, the second once in 72 seconds, the third once in 45 seconds. After 8.00 am which is the next time they change simultaneously?
 (A) 8.03 AM (B) 8.06 AM (C) 8.10 AM (D) 8.12 AM
34. A sector of 120° , cut out from a circle, has an area of $9\frac{3}{7}$ sq.cm. Find the radius of the circle.
 (A) 1 cm (B) 2 cm (C) 4 cm (D) 3 cm
35. The number of horses on a farm is twice the number of ducks. The total number of feet of ducks and horses counted together is 70. The number of ducks is
 (A) 5 (B) 7 (C) 14 (D) 35

தமிழ்

36. கரிசல் பூமியில் வாழும் மக்களின் போக்குகளைப் பேச்சுத்தமிழில் சித்திரித்த கதை சொல்லி யார்?
 அ.கி.ராஜநாராயணன் ஆ.வண்ணதாசன் இ.பிரபஞ்சன் ஈ.கந்தவர்மன்
37. 'கனவுகள் விரியும்' என்ற கவிதையின் ஆசிரியர் யார்?
 அ.விழி பா.இதயவேந்தன் ஆ.அழகியபெரியவன் இ.என்.டி.ராஜ்குமார் ஈ.அன்பாதவன்
38. துறவு நெறி நிற்கும் ஆசிரியர்களும் சீடர்களும் இணைந்து வாழும் பகுதி எவ்வாறு அழைக்கப்பெற்றது?
 அ.பள்ளி ஆ.மடம் இ.ஆதீனம் ஈ.குருகுலம்
39. 'கலம்பகத்திற்கிரட்டையர்கள்' என்ற புகழினைப் பெற்ற புலவர்கள் யாவர்?
 அ.காளமேகப்புலவர் ஆ.முதுகுரியர் இளஞ்குரியர் இ.ஒட்டக்கூத்தர் ஈ.அருணகீநாதர்
40. 'தமிழ் உரைநடை வளர்ச்சியில் ஒளிவிளக்கு' என யாருடைய உரைநடைப் போற்றப்படுகிறது?
 அ.கல்லாடர் ஆ.பேராசிரியர் இ.நக்கீரர் ஈ.விசாகப்பெருமாள்
41. உரையாசிரியர் என்றே சிறப்பிக்கப்படுபவர் யார்?
 அ.சேனாவரையர் ஆ.பேராசிரியர் இ.இளம்பூரணர் ஈ.தெய்வச்சிலையார்
42. கருணாமிர்த சாகரம் என்னும் நூலினை யாத்தவர் -----
 அ.நல்லூர் ஞானப்பிரகாசர் ஆ.வேதநாயகசாஸ்திரியார் இ.தஞ்சை ஆபிரகாம்பண்டிதர் ஈ.கனகசபைப்புலவர்
43. தமிழ் மரபு தழுவி நபிகள் நாயகத்தின் வரலாறு கூறும் நூல் எது?

- அ.நபிகள் புகழ் காவியம் ஆ.யூசுப்கலைகா இ.சீறாப்புராணம் ஈ.இராசநாயக காவியம்
44. புத்தர் பற்றிய துதிப்பாடல்களைக் கொண்ட நூல் எது?
அ.சித்தாந்தத்தொகை ஆ.வீரசோழியம் இ.அபித்தம்மதவதாரம் ஈ.திருப்பதிகம்
45. 'சமணர்' என்ற சொல்லின் பொருள் யாது?
அ.விருந்தினர் ஆ.தெய்வம் இ.குருமார் ஈ.துறவிகள்

ANSWERS: GENERAL KNOWLEDGE



(29-02-2020)

EVERYDAY SCIENCE :-

1.C 2.C 3.D 4.A 5.C 6.D 7.B 8.D 9.A 10.A

GENERAL STUDIES :-

11.B 12.B 13.A 14.D 15.D 16.C 17.C 18.C 19.B 20.C

CURRENT AFFAIRS :-

21.B 22.A 23.D 24.B 25.C 26.D 27.B 28.C 29.A 30.C

QUANTITATIVE APTITUDE :-

31.D 32.C 33.B 34.D 35.B

31. 10,20,30,40,50 were the numbers having 0

5,15,25,35,45 were the numbers having 5

Total numbers having 0 and 5=10

Total numbers from 1 to 50 = 50 numbers = 100%

For 10 numbers percentage $(10/50) \times 100 = 20\%$

Ans: (D) 20%

32. Father had 1 part in total 4 parts= $(4-1) = 3$ parts remaining in 4 parts.

and it is 3times as family members= $3 \times 3 = 9$ members

so totally $(9 \text{ members} + 1 \text{ father}) = 10$ members.

Ans: (C) 10

33. $30 = 2 \times 3 \times 5$

$72 = 3 \times 3 \times 2 \times 2 \times 2$

$45 = 3 \times 3 \times 5$

L.C.M = 360

360 = 6mins

$8.00 + 6\text{mins} = 8.06 \text{ AM}$

Ans: (B) 8.06 AM

34. $\pi r = 9 \frac{3}{7} = \frac{66}{7}$

$$\frac{22}{7} r = \frac{66}{7}$$

$$r = \frac{66}{7} \times \frac{7}{22}$$

$$r = 3$$

Ans: (D) $r=3$.

35. Horse = y and duck = x

Horse = 2 times of duck

$Y = 2x$

Ducks hs 2 feet nd horse hs 4 feet

$2x + 4y = 70$

Sub $y=2x$ in bove eqn

$2x + 4(2x) = 70$

$2x + 8x = 70$

$10x = 70$

$X=7(\text{duck})$

Then sub $x = 7$ in $y = 2x$

y=2 (7)
y =14 (horse)
Ans: (B) 7

தமிழ் விடைகள் 36.அ, 37.அ, 38.ஆ, 39.ஆ, 40.இ, 41.இ, 42.இ, 43.இ, 44.ஈ, 45.ஈ.

VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST

GENERAL KNOWLEDGE



07-03-2020

EVERYDAY SCIENCE

- The bacteria used to remove oil spills in the ocean is
a) Pseudomonas putida b) Pseudomonas aeruginosa c) Bacillus subtilis d) E.coli
- Phosphorus is an essential component of one of the following biological molecules.
a) Amino acid b) Nucleic acid c) Carbohydrate d) none
- Chemical used to kill rats and mice are
a) Insecticides b) Rodenticides c) Fungicides d) Herbicides
- Most highly intelligent mammals are
a) Whales b) Dolphins c) Elephants d) Kangaroos
- Which plant is used to prepare Pencil?
a) Juniperus sp. b) Araucaria sp. c) Sequoia sp. d) Cycas sp.
- Potato is a modified form of
a) Root b) Stem c) Fruit d) Leaf
- The speed of light will be minimum while passing through
a) Water b) Vacuum c) air d) glass
- An air bubble in water will act like a
a) Convex lens b) Convex mirror c) Concave lens d) Concave mirror
- A Gold Ring which is 50% pure. Its purity can be alternatively shown as ____
a) 18 Carat b) 18 Karat c) 12 Carat d) 12 Karat
- Trimethylxanthine is a chemical name of a stimulant which is found in tea and coffee. What is the popular name?
a) Thein b) Caffeine c) Theobromine d) Theophylline

GENERAL STUDIES

- Interest rate "Savings deposit" now a days is decided by
A. RBI B. SBI C. Respective Banks D. IBA
- Which was the first bank to introduce cheque system in India?
A. Bengal Bank B. Bank of Hindustan C. General Bank of India D. Presidency Bank
- Which temple in India has opened up a Demat account to accept donations from devotees in the form of shares and securities?
A. Shirdi Sai Temple B. Tryambkeshwar Temple
C. Vaisho Devi Temple D. Tirumala Venkateswara Temple
- Who is known as 'the father of Indian missile technology'?
A. Dr. U.R. Rao B. Dr. A.P.J. Abdul Kalam C. Dr. Chidambaram D. Dr. Homi Bhabha
- For his major role in the development of computer chip 'Pentium', which Indian IT expert is called the 'Father of Pentium'?
A. Ajay Bhatt B. Anand Chandrasekher C. Vinod Dham D. Biswamohan Pani
- Who among the following was the first Indian to get selected in ICS (Indian Civil Services)?
A. Rasbihari Bose B. Satyendra Nath Tagore C. Devendranath Tagore D. Surendranath Banerjee
- Bobbiliveena, also known as Saraswathi Veena or the Ekanda Veena, is a large plucked string instrument used in Carnatic classical music. It is made from which of the following trees?
A. Sandalwood B. Bamboo C. Jackwood D. Rosewood
- The customers of which bank will not be able to get Rs. 2,000 notes from March 1?
A. State Bank of India B. Canara Bank C. Punjab National Bank D. Indian Bank
- What is the amount of funds released for the PM - KISAN scheme so far?
C. Rs. 63,567 crore B. Rs. 80,000 crore C. Rs. 50,850 crore D. Rs. 57,494 crore
- In association with which company Khadi and Village Industries Commission has recently launched Khadi wristwatches?
A. Sonata B. Titan C. Casio D. Timex

CURRENT AFFAIRS

21. When was the first anniversary of the Balakot air strikes observed?
a) February 26th b) February 25th c) February 27th d) February 28th
22. When is ISRO scheduled to launch its Geo Imaging Satellite- GISAT-1?
a) March 1st b) February 29th c) March 5th d) April 30th
23. In a new travel advisory, India has advised Indians to avoid travelling to which three nations?
a) France, Bahrain and Egypt b) Bangladesh, Pakistan and Nepal
c) US, UK and Japan d) Italy, Iran and Republic of Korea
24. Which among the following warning systems will predict swell surges?
a) ABIS b) SVAS c) SSFS d) SSWS
25. Which nation participated in Indra Dhanush Exercise 2020 along with India?
a) US b) France c) UK d) Singapore
26. Which nation has formally withdrawn from co-sponsoring UNHRC resolution on war crimes?
a) India b) Sri Lanka c) Pakistan d) Myanmar
27. World NGO day is observed on _____
a) 20th February b) 24th February c) 27th February d) 29th February
28. On which date World Cancer day is observed every year?
a) 3rd February b) 4th February c) 6th February d) 9th February
29. Which country will host Commonwealth Shooting and Archery Championships in 2022?
a) Malaysia b) India c) China d) Japan
30. Name the person, who has been honoured with the annual Swami Vivekananda Karmayogi award 2020?
a) Sumaira Abdulali b) Kinri Devi c) Chandi Prasad Bhatt d) Jadav Payeng

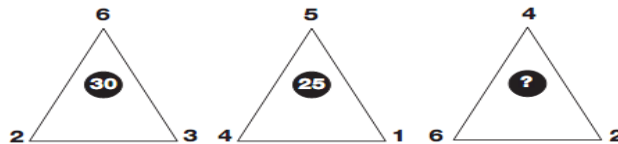
QUANTITATIVE APTITUDE

31. Find the average of all the numbers between 6 and 34 which are divisible by 5
a) 18 b) 20 c) 24 d) 30
32. The average of first five multiples of 3 is _____
a) 3 b) 9 c) 12 d) 15
33. At present ,the ratio between the ages of Arun and Deepak is 4:3 After 6 years Arun's age will be 26 years .What is the age of Deepak at present?
a) 15years b) 12years c) 17years d) 18years
34. If $(1/5)^{3y} = 0.008$ then find the value of $(0.25)^y$
a) 1 b) 2 c) 3 d) 0.25
35. Find the odd man out: 4, 9, 16, 36,
a) 9 b) 4 c) 16 d) 36

TEST OF REASONING

36. Which word does NOT belong with the others? (Verbal Classification Question)
A. guitar B. flute C. violin D. cello
37. Marathon is to race as hibernation is to (Analogies Question)
A. winter B. bear C. dream D. sleep
38. Which number replaces the question mark? (Number Puzzle question)

Which number replaces the question mark?



- A. 42 B. 52 C. 32 D. 12
39. B₂CD, _____, BCD₄, B₅CD, BC₆D (Letter&Series Question)
A. B₂C₂D B. BC₃D C. B₂C₃D D. BCD₇
40. CMM, EOO, GQQ, _____, KUU (Letter&Series Question)
A. GRR B. GSS C. ISS D. ITT

**EVERYDAY SCIENCE :-**

1.A 2.B 3.B 4.B 5.A 6.B 7.D 8.C 9.D 10.B

GENERAL STUDIES :-

11.C 12.A 13.D 14.B 15.C 16.B 17.C 18.D 19.C 20.B

CURRENT AFFAIRS :-

21.A 22.C 23.D 24.C 25.C 26.B 27.C 28.B 29.B 30.D

Answers & Explanations

21. (A) February 26th : The first anniversary of the Balakot air strikes was observed on February 26, 2020. The IAF-led operation mainly targeted the biggest Jaish-e-Mohammed (JeM) camp in Balakot, which is located in Pakistan's Khyber Pakhtunkhwa province. The attack was carried out in response to the deadly Pulwama attack on February 14, 2020.

22. (C) March 5th: The Geo Imaging Satellite- GISAT-1 will be launched by the Indian Space Research Organisation on March 5, 2020. The satellite will enable real-time observation of India at frequent intervals.

23. (D) Italy, Iran and Republic of Korea : The Union Government issued a new travel advisory on February 26, 2020, advising Indians to avoid all non-essential travel to three more nations- Iran, Italy and the Republic of Korea.

24. (C) SSFS : The swell surge forecast system (SSFS) has been created to forewarn regarding swell surges, which cause major damage to coastal regions in India, especially the western coast. The swell waves are like flash floods, which cause damage to the boats and nets of the fishermen.

25. (C) UK : The 5th edition of the Indra Dhanush Exercise began on February 24, 2020 between the Indian Air Force and the Royal Air Force of the United Kingdom. The main focus of the exercise was "Base Defence and Force Protection". There were 36 specialized combatants from the Royal Air Force and 42 combatants of the Garud Commando Force.

26. (B) Sri Lanka : Sri Lanka has formally announced its decision to withdraw from co-sponsoring UNHRC resolution on addressing war crimes and accountability issues.

27. (C) 27th February : World NGO Day is observed on 27 February every year.

28. (B) 4th February : World Cancer Day is observed on 4 February every year to raise awareness about the disease cancer, and its symptoms.

29. (B) India : India will be the host nation for the 2022 Commonwealth Shooting and Archery Championships. The Championship will be held in Chandigarh in January 2022.

30. (D) Jadav Payeng : Forest Man of India & environmentalist Padma Shri Jadav 'Molai' Payeng is honoured with the 6th annual Swami Vivekananda Karmayogi award 2020 for his consistent efforts in creating a manmade forest through afforestation. The award comprises of a trophy, a recitation & a reward of Rs 1 Lakh. He is also a forest worker from the missing tribe from Jorhat, Assam.

QUANTITATIVE APTITUDE :-

31.B 32.B 33.A 34.A 35.A

31. Average = $(10+15+20+25+30)/5 = 100/5 = 20$ Ans : B

32. Average = $3(1+2+3+4+5)/5 = 3 \times 15/5 = 45/5 = 9$ Ans : B

33. Let the present age of Arun and Deepak be $4x$ years and $3x$ years respectively then

$$4x+6=26 \quad 4x=20 \quad x=20/4=5 \quad \text{Deepak age} = 3x = 3 \times 5 = 15 \text{ years} \quad \text{Ans : A}$$

34. $(1/5)^{3y} = 0.008$

$$(1/5)^{3y} = 8/1000 = 1/125 = (1/5)^3$$

$$(1/5)^{3y} = (1/5)^3 \quad 3y = 3 \quad Y = 1$$

$$(0.25)^y = (0.25)^1 = 0.25 \quad \text{Ans : D}$$

35. Ans : A

TEST OF REASONING :-

36.B 37.D 38.C 39. 40.

36. Answer: Option B

Explanation: The guitar, violin, and cello are stringed instruments; the flute is a wind instrument.

37. Answer: Option D

Explanation: A marathon is a long race and hibernation is a lengthy period of sleep.

38. Answer: Option C

Explanation: In each triangle, add together the lower 2 digits, and multiply this by the top digit, to give the value written in the centre of the triangle.

39. Answer: Option B

Explanation: Because the letters are the same, concentrate on the number series, which is a simple 2, 3, 4, 5, 6 series, and follows each letter in order.

40. Answer: Option C

Explanation: The first letters are in alphabetical order with a letter skipped in between each segment: C, E, G, I, K. The second and third letters are repeated; they are also in order with a skipped letter: M, O, Q, S, U