

Sample Question for Group A (IX & X)

1. The color of the outer edge of the rainbow is
A) Purple () B) Violet ()
C) Red () D) Yellow ()
2. Which step is not involved in the carbon -cycle
A) Photosynthesis () B) Transpiration ()
C) Respiration () D) Burning of fossil fuels ()
3. Sound in TV is modulating
A) FM () B) PM ()
C) PCM () D) AM ()
4. Cell secretions are processed and packed up by
A) Mitochondria () B) Golgi apparatus ()
C) Ribosome () D) Nucleus ()
5. 1 KHZ signal is used to test which stage?
A) Mixer stage () B) 1 F stage ()
C) Detector stage () D) Audio stage ()
6. _____ is the study of kidneys.
A) Neurology () B) Cardiology ()
C) Nephrology () D) Archaeology ()
7. Who has been elected as the prime minister of Nepal?
A) Pushpa kamal dahal () B) Sushil koirala ()
C) Khadga Prasad oli () D) Manisha Sharma ()
8. Who will invited as chief guest on the republic day celebrations- **26 january 2017** .
A) Barack obama () B) Sheikh md. Bin zayed al nahyan ()
C) Sheikh Hasina () D) Francois Hollande ()
9. Which of the following has non terminating decimal expansion?
A) $77/210$ () B) $23/8$ ()
C) $17/8$ () D) $35/50$ ()
10. Transition ions absorb light in –
A) visible region () B) infrared region ()
C) ultraviolet region () C) microwave region ()
11. Total earth's surface is covered with water is
A) 75% () B) 60% ()
C) 85% () D) 50% ()
12. Biotic component of biosphere is not constituted by
A) producers () B) decomposeres ()
C) air () D) consumers ()
13. Who Is the founder of paytm
A) Vijay shekhar sharma () B) Sachin bansal ()
C) Binny bansal () D) Rohit bansal ()
14. In which year Albert Einstein born?
A) 1949 () B) 1879 ()
C) 1869 () D) 1954 ()
15. Author of "**YOU CAN WIN**" book
A) Chetan bhagat () B) Shiv khera ()
C) Robin sharma () D) Anoop sony ()

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16. When was the first world cup of football held?
A) 1930 () B) 1945 ()
C) 1990 () C) 1935 ()
17. When was metro service started in **MUMBAI**
A) 25 Dec, 2002 () B) 21 September, 2012 ()
C) 19 June, 2005 () D) 08 June, 2014 ()
18. Which Is the hardest element in periodic table
A) osmium () B) iron ()
C) platinum () D) cobalt ()
19. 11,24,50,102,206
A) 208 () B) 514 ()
C) 308 () D) 210 ()
20. Which of the following is the weakest metal?
A) hydrogen () B) sodium ()
C) silver () D) lead ()
21. An alloy used in making pipe, machines, and automotive industries products
A) Solder () B) Ni-chrome ()
C) Cast iron () D) All of these ()
22. The fourth largest country in the world (in view of area)
A) canada () B) Brazil ()
C) china () D) none of these ()
23. When was The chipko movement was held?
A) 1975 () B) 1987 ()
C) 1973 () D) 1985 ()
24. Carbon diamond and graphite are together called?
A) Allotropes () B) Isomorphs ()
C) Isomers () D) Isotopes ()
25. In which of the following activities silicon carbon is used?
A) Making cement and glass () B) Disinfecting water of ponds ()
C) Cutting very hard substance () D) Making caste for status ()
26. The reciprocal of $-\frac{3}{8}$ and $-\frac{7}{13}$ is
A) $\frac{21}{104}$ () B) $-\frac{21}{104}$ ()
C) $\frac{104}{21}$ () D) $-\frac{104}{21}$ ()
27. A farmer has 192 animals out of which $\frac{7}{16}$ are cattle . $\frac{2}{3}$ by cattle are dairy cows. How many dairy cows does he have ?
A) 128 () B) 56 ()
C) 84 () D) 112 ()
28. The main constituent of biogas
A) Methane () B) Helium ()
C) Hydrogen () D) Carbon ()
29. 14th ASEAN-India summit held on
A) Laos () B) Brazil ()
C) Vietnam () D) France ()
30. What is the name of the latest Android OS -
A) Kitkat () B) Lollipop ()
C) Marshmallow () D) Nougat ()

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31. Summer Olympic 2020 will be held at -
A) Beijing B) Tokyo
C) India D) Vancouver
32. How many prime factor are there in prime factorisation in 5005 ?
A) 2 B) 4
C) 6 D) 7
33. Which of the following is irrational ?
A) $\sqrt{4/9}$ B) $\sqrt{7}$
C) $\sqrt{81}$ D) $\sqrt[3]{12}$
34. $6 \times 111 - 3 \times 111$ are equal to
A) 333 B) 666
C) 111 D) 146
35. Each child of the Dicks family at least three sisters and at least one brother. The minimum number of the children in this family is :
A) 4 B) 5
C) 6 D) 7
36. The number of whole numbers which lie between 4^2 and 4^3 is :
A) 45 B) 46
C) 47 D) 48
37. The mathematician who gave the term '*algorithm*'?
A) Euclid B) Khwarizmi
C) Gauss D) Santoshian
38. The decimal expansion of π
A) is terminating B) is non-terminating and repeating
C) is non-terminating and non-repeating D) None of these
39. If p, q are two prime numbers, then LCM(p, q) is :
A) 1 B) p
C) q D) pq
40. Dan caught 40 fish in five days. Every day he caught 3 fish more than previous days. The number of fish he caught on third day is :
A) 8 B) 11
C) 14 D) 17
41. Which of the following bank is not a public sector bank ?
A) IDBI Bank B) State bank of India
C) Bhartiya Mahila Bank D) HDFC bank
42. The first and only Bharat Mata Mandir was constructed in 1930s in -
A) Ahmedabad B) Surat
C) Varanashi D) Muzaffarpur
43. Which freedom fighter was the author of the book "An Introduction of the Dreamland"?
A) Bhagat Singh B) Bal Gangadhar Tilak
C) Vinayak Damodar Savarkar D) Subhash Chandra Bose
44. When did the British make English the medium of instruction in India?
A) 1813 B) 1833
C) 1835 D) 1817
45. Fascism believed in leadership of -
A) Feudals B) One man
C) Political elites D) Working Classes

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46. Which Uranium isotope is used in nuclear power plants to produce electricity ?
A) U-238 () B) U-235 ()
C) U-239 () D) U-234 ()
47. Cooking gas is a mixture of -
A) Carbonmonoxide and carbondioxide () B) Butane and Propane ()
C) Methane and Ethylene () D) Carbondioxide and Oxygen ()
48. The expansion of D.D.T is
A) Dichloro Diphenyl Trichloroethane () B) Dichloro Diamine Trichloroethan ()
C) Dichloro Diphenyl Tetrachloroethane () D) None of these ()
49. The function of heavy water in a nuclear reactor is to -
A) Slow down the speed of neutrons () B) Increase the speed of neutrons ()
C) Cool down the reactor () D) Stop the nuclear reaction ()
50. The percentage of nitrogen present in ammonia sulphate is -
A) 18% () B) 21% ()
C) 25% () D) 30.5% ()
51. Unsorted transaction that can used to immediately update database is called -
A) Direct database access () B) Sequential database access ()
C) Alternate database access () D) Instance database access ()
52. Ubuntu is which type of operating system –
A) Open Access () B) Open Source ()
C) Windows Based () D) Mac Based ()
53. The time for the actual data transfer after receiving the request for data from secondary storage is referred to as the disk's –
A) transfer time. () B) movement time. ()
C) access time. () D) data input time. ()
54. Universal Building Blocks are -
A) NAND, NOR Gate () B) OR, NOR, NOT Gate ()
C) AND, OR, NOT Gate () D) AND, NAND, NOT Gate ()
55. Identify the odd term amongst the following group –
A) Coaxial cable () B) Optical cable ()
C) Twisted pair wire () D) Microwaves ()
56. Bacillus thuringiensis is used as –
A) Biofertilizer () B) Biological pesticide ()
C) Chemical fertilizer () D) Chemical insecticide ()
57. Radio Carbon Dating is use to estimate the age of –
A) Soil () B) Monuments ()
C) Fossils () D) Rocks ()
58. A contemporary of Charles Darwin who came to the same conclusion in the matter of organic evolution was –
A) Jean Baptist Lamarck () B) Thomas Fluxley ()
C) Alfred Russel Wallace () D) Franklin Benjamin ()
59. Stamens are fused with each other by their anthers and also with the petals in –
A) Euphorbiaceae () B) Leguminosae ()
C) Liliaceae () D) Compositae ()
60. What could be the function attributed to the transfusion tissue found in Cycas leaflets?
A) Mechanical () B) Conduction ()
C) Storage () D) Photosynthesis ()

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61. Which of the following lakes is situated on the West Coast of India?
A) Astamudi () B) Chilka ()
C) Ganga () D) Kolleru ()
62. The country with the world's largest natural gas reserves is -
A) Saudi Arabia () B) Kuwait ()
C) Russia () D) United States of America ()
63. The tropical cyclones of the Bay of Bengal are usually called -
A) Hurricanes () C) Typhoons ()
B) Depression () D) Tornadoes ()
64. Which of the following countries are joined by the Palk Strait?
A) Pakistan and China () C) North and South Korea ()
B) India and Srilanka () D) France and Britain ()
65. Which among the following is the natural inhabitant of North Pole but not of South Pole?
A) Penguins () C) Emu ()
B) Ploar Bear () D) Seals ()
66. Summer Olympic 2020 will be held at -
A) Beijing () C) Tokyo ()
B) PyeongChang () D) Vancouver ()
67. The recently published book "She Walk, She Leads" is written by -
A) Gunjan Jain () C) Nita Ambani ()
B) Chanda Kochhar () D) Puja Nayna ()
68. Cabinet increases the limit for foreign investment in Stock Exchanges from 5% to -
A) 15% () C) 12% ()
B) 10% () D) 8% ()
69. The Chabahar port development agreement was signed with India and -
A) Afganistan () C) Iran ()
B) South Africa () D) Saudi Arab ()
70. Which country has the world's highest nominal per capita GDP?
A) Luxembourg () C) Norway ()
B) Qatar () D) India ()
71. Prabhat is an early short duration variety of -
A Red gram () C) Wheat ()
B) Maize () D) Rice ()
72. Which of the following is not a nitrogenous fertilizer?
A) Ammonium sulphate. () C) Ammonium nitrate. ()
B) Urea. () D) Super phosphate. ()
73. The Minimum Support Price for Foodgrains was introduced in the year -
A) 1954 () C) 1964 ()
B) 1974 () D) 1984 ()
74. Triticum aestivum, the common bread wheat is -
A) Tetraploid () C) Hexaploid ()
B) Haploid () D) Diploid ()
75. Which crop requires water-logging for its cultivation?
A) Tea () C) Coffee ()
B) Rice () D) Mustard ()

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76. Which of the following Financial institutions has recently launched India's first mobile only bank?
A) Standard Chartered Bank () C) BNP Paribar ()
B) HSBC Bank () D) Development Bank of Singapore ()
77. Who was the first Indian to sign the "Giving Pledge"?
A) Kiran Mazumder Shaw () C) Mukesh Ambani ()
B) Azim Premji () D) Nandan Nilekani ()
78. As per Confederation of Indian Industry (CII) and KPMG report 2016 India is the _____ fastest growing services economy in the world.
A) Fifth () C) Fourth ()
B) Second () D) Third ()
79. Padma Sachdeva has been selected for the Saraswati Samman 2015 for her novel Chitt Chete written in
A) Hindi Language () C) Dongri Language ()
B) Oriya Language () D) Marathi Language ()
80. Who has been honoured with the 16th Laureus World Sportsman of the year award?
A) Rafael Nadal () C) Novak Djokovic ()
B) Andi Mury () D) Roger Federer ()
81. Give Synonyms "Placate"
A) Implore () C) Flatter ()
B) Pacify () D) Compensate ()
82. Give Antonyms "Fierce" ?
A) Gentle () C) Voilent ()
B) Inactive () D) Careful ()
83. Rita _____ it to me in detail yesterday (to explain)
A) explaing () C) explained ()
B) explanis () D) explain ()
84. Mick _____ on thin ice for two hours when he heard the first crack.(to skate)
A) skating () C) had been skating ()
B) skated () D) has been skating ()
85. As hoarse as a _____ .
A) Crow () C) Piegon ()
B) Butterfly () D) Peacock ()
86. All the students were _____ by his jokes.
A) amused () C) happy ()
B) enjoyed () D) cheearful ()
87. It is hoped that a _____ will be reached in the meeting.
A) statement () C) comparison ()
B) compromise () D) compression ()
88. Some people regard the world as _____.
A) imitation () C) allusion ()
B) illusion () D) ilision ()
89. May you lead a happy life !
A) Exclamatory () C) Exclamation ()
B) Optative () D) Assertive ()
90. Fashion is important to Shyam, so he always _____ the latest and most popular poaching style (to select)
A) selecting () C) selects ()
B) has been selecting () D) selected ()