

## DMRC CRA Memory Based Mock-1

**Directions (1-5): Study the given information carefully and answer the questions that follows:**

There are seven persons i.e. A, B, C, D, E, F and G who works on different posts in forest department, but not necessarily in the same order of seniority. Posts are PCCF, APCCF, CCF, OCF, CF, DCF and PO in the decreasing order of seniority (such that PCCF is the highest post and PO being lowest).

They all lives in different cities i.e. Dispur, Noida, Mathura, Bangalore, Nagpur, Jaipur and Gurgaon but not necessarily in the same order.

There are three posts between the one who lives in Noida and the one from Mathura. B lives in Jaipur and posted on an even numbered seniority (in increasing order of seniority) but not on the post of APCCF. There is only one post between B and the one who lives in Bangalore. A lives in Nagpur and posted on an odd numbered post above F, who lives in Mathura. G is immediate junior to D, who lives in Gurgaon. C lives in Bangalore. F is immediate senior to B. G does not live in Noida.

**Q1. Who among the following is at a post of APCCF?**

- (a) F
- (b) A
- (c) C
- (d) E

**Q2. The one who is from Mathura is at which post?**

- (a) OCF
- (b) CCF
- (c) PCCF
- (d) PO

**Q3. G is from which city?**

- (a) Noida
- (b) Mathura
- (c) Jaipur
- (d) Dispur

Q4. If A is related to Mathura, in the same way D is related to Noida then following the same pattern F is related to?

- (a) Gurgaon
- (b) Jaipur
- (c) Bangalore
- (d) Noida

**Q5. Who is at the post of CCF?**

- (a) F
- (b) The one from Jaipur
- (c) The one from Bangalore
- (d) G



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**Q6. Find the odd-one out.**

- (a) (20, 5)
- (b) (32, 4)
- (c) (34, 5)
- (d) (42, 6)

**Q7. Find the missing number.**

$$\left(\frac{5}{10}\right) \left(\frac{22}{16}\right) \left(\frac{30}{23}\right) \left(\frac{?}{?}\right)$$

- (a) 32, 40
- (b) 28, 34
- (c) 35, 40
- (d) 25, 35

**Q8. In a certain code, we write the word "SUSHI" as "RTRGH". How will you write the sentence "DELHI" in it?**

- (a) CDJGH
- (b) CDKGH
- (c) CDHGF
- (d) DECKH

**Q9. If FINE AT is coded as 21 then find how LONG XT will be coded?**

- (a) 24
- (b) 34
- (c) 44
- (d) 54

**Q10. There are four option given, find the ODD-ONE out.**

- (a) crocodile : frog
- (b) snake : lizard
- (c) beer : deer
- (d) lion : tiger

**Q11. In a certain code language 'RAMNIWAS' is written as 'QBLOHXZT' then how 'VISHNOI' coded in that code language.**

- (a) UJRINPH
- (b) UJRIMPH
- (c) UJQIMPH
- (d) None of these

**Q12.If 'coffee' is called 'tea', 'tea' is called 'drink', 'drink' is called 'day', 'day' is called 'beverage'. which**

- (a) Day
- (b) drink
- (c) beverage
- (d) Tea

**Q13.'Pointing to a lady' A man said, "The son of her only brother is the brother of my wife. How is lady related to that man."**

- (a) Mother's Sister
- (b) Grand mother
- (c) Mother-in-law
- (d) Sister of father-in-law

**Q14.Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?**

**B C D C D E F D E F G H \_ \_ \_ \_ \_**

- (a) EFGHIJ
- (b) FGHIJK
- (c) DFGHIJK (d) KLMNOP

**Q15.Find the next term in the following series?**

**Y2C , W3F , U8I , S27L , Q1120 , ?**

- (a) O565R
- (b) O565S
- (c) P1165R
- (d) P1165S

**Q16.Find the next term in following number series-**

**0 , 6 , 20 , 42 , 72 , ?**

- (a) 148
- (b) 144
- (c) 110
- (d) 136

**Q17.Find the correct set of numbers from the given alternatives.**

**(1, 2, 3), (1, 4, 9), (1, 16, 81), (1, ?, ?)**

- (a) 256 , 6561
- (b) 128 , 5251
- (c) 190, 2012
- (d) 543, 4533



**Q18.**A GANGA river flows north to south and on the way turns left and goes in a quarter-circle round a hillock and then turns right at a right angle. In which direction in the river finally flowing?

- (a) West
- (b) East
- (c) North
- (d) South

**Q19.**Arrange the following words in the same order in which they occur in dictionary.

- (1) Acorn
- (2) Acoustic
- (3) Acquaint
- (4) Acquired
- (5) Aconitine

- (a) 34512
- (b) 43512
- (c) 51432
- (d) 51234

**Q20.**Find the missing number

31	17	58	87
68	19	61	56
91	22	70	50
10	142	11	?

- (a) 3
- (b) 6
- (c) 7
- (d) 9

**Q21.** A statement is given followed by two conclusions. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statement.

**Statements :**

**A friend in need is a friend indeed.**

**Conclusions :**

**I. All are friends in good times.**

**II. Enemies in bad times are not friends.**

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both conclusion I and II follow
- (d) Neither conclusion I nor II follows

**Q22.** Jaipur is in the North-east of Jodhpur. Alwar is in the south of Jaipur and in the south-east of Jodhpur. Jalore is in the west of Alwar and in the line with Jaipur - Jodhpur. In which direction Jaipur is located with respect to Jalore?

- (a) North
- (b) East
- (c) South-West
- (d) North-East

**Q23.** Which number will replace the question mark(?) in the following series?

2, 3, 4.5, ?, 9, 12

- (a) 5.5
- (b) 5
- (c) 6.5
- (d) 7

**Q24.** In a code language, ROCKSTAR is written as KCSTORAR. How will HARLUCK be written in that language?

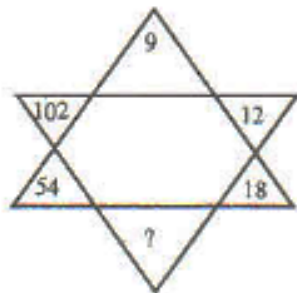
- (a) DRLUAHCK
- (b) DRUHLCAK
- (c) DRULHACK
- (d) DRULHCKA

**Q25.** In the following questions, find the missing number from the given responses.



- (a) 35
- (b) 37
- (c) 45
- (d) 47

**Q26.** In the following questions, find the missing number from the given responses.



- (a) 40
- (b) 48
- (c) 30
- (d) 24

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**Q27. Find out the set of numbers amongst the four sets of numbers given in alternatives which is most like the given set**

**Given Set : (21, 18,12)**

- (a) 36, 32, 28
- (b) 24, 22, 20
- (c) 32, 28, 20
- (d) 40, 38, 36

**Q28. Rahul and Robin are brothers. Pramod is Robin's father. Sheela is Pramod's sister. Prema is Pramod's niece. Shubha is Sheela's granddaughter. How is Rahul related to Shubha?**

- (a) Brother
- (b) Cousin
- (c) Uncle
- (d) Nephew

**Q29. X is the husband of Y. W is the daughter of X. Z is the husband of W. N is the daughter of Z. What is the relationship of N to Y?**

- (a) Cousin
- (b) Niece
- (c) Daughter
- (d) Granddaughter

**Q30. Study the following information to answer the questions given below :**

**Ramu walks 2 km towards North and turn to his right and walks 4 km more. He then turns to his right and walks 4 km and turns again to his right and walks another 4 km.**

**Which direction is Ramu facing now?**

- (a) East
- (b) North
- (c) South
- (d) West

**Q31. Which team has won FIFA World Cup maximum times?**

- (a) Germany
- (b) Brazil
- (c) Italy
- (d) Argentina

**Q32. The Civil Disobedience Movement was started in**

- (a) 1930
- (b) 1935
- (c) 1940
- (d) 1937

**Q33. The 5th India International Science Festival (IISF) held at**

- (a) Jalandhar
- (b) Bangalore
- (c) Kolkata
- (d) Bhopal

**Q34. Which of the following Monsoons account for most of the rainfall in India?**

- (a) North East Monsoon
- (b) South West Monsoon
- (c) South East Monsoon
- (d) East Asia Monsoon

**Q35. Which of the following terms is not related to banking?**

- (a) Repayment
- (b) Loan
- (c) NPA
- (d) MSP

**Q36. Article 371 of the Constitution of India provides for special provisions with respect to which of the following states?**

- (a) Andhra Pradesh
- (b) Assam
- (c) Nagaland
- (d) Maharashtra and Gujarat

**Q37. In which country will the 2022 Commonwealth Games held?**

- (a) Australia
- (b) South Africa
- (c) England
- (d) India

**Q38. Bhupen Hazarika related to which dance form?**

- (a) Sattriya
- (b) Bagurumba
- (c) Kathak
- (d) Kuchipudi

**Q39. Which state has major production of sugarcane?**

- (a) Bihar
- (b) Maharashtra
- (c) Uttar Pradesh
- (d) Madhya Pradesh

**Q40. Which of the following is not a mosquito-borne illness?**

- (a) Lyme disease
- (b) West Nile virus
- (c) Malaria
- (d) Zika virus

**Q41. World Water Day (WWD) is observed globally on\_\_\_\_\_?**

- (a) 22<sup>nd</sup> March
- (b) 22<sup>nd</sup> April
- (c) 16<sup>th</sup> May
- (d) 18<sup>th</sup> September

**Q42. What is the chemical name of Vitamin B1?**

- (a) Thiamine
- (b) Riboflavin
- (c) Biotin
- (d) None of these

**Q43. Which hormone is responsible for growth in plant?**

- (a) Gibberellins
- (b) Ethylene
- (c) Auxin
- (d) Cytokinins

**Q44. Jama Masjid Delhi was built by:**

- (a) Shah Jahan
- (b) Akbar
- (c) Jehangir
- (d) Hamayun

**Q45. Who has won the Australian Open 2020 men's singles title?**

- (a) Rafael Nadal
- (b) Novak Djokovic
- (c) Dominic Thiem
- (d) Roger Federer

**Q46. Which of the following is not the work of RBI?**

- (a) Bank of the banks
- (b) Credit controller
- (c) Custodian of foreign currency
- (d) Allocating funds directly to the farmers for agricultural development



**Q47. Where was the first cotton textile mill in India established?**

- (a) Mumbai
- (b) Surat
- (c) Ahmedabad
- (d) Chennai

**Q48. When Hitler became the chancellor of Germany?**

- (a) 1928
- (b) 1933
- (c) 1936
- (d) 1932

**Q49. Who of the following athletes has won the maximum number of individual gold medals at a single Olympics?**

- (a) Mark Spitz
- (b) Michael Phelps
- (c) Carl Lewis
- (d) Matt Biondi

**Q50. The nature of calcium phosphate is present in tooth enamel is**

- (a) Basic
- (b) Amphoteric
- (c) Acidic
- (d) Neutral

**Q51. Which of the following salts has no water of crystallization?**

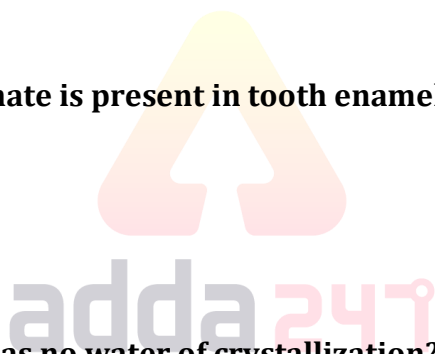
- (a) Blue vitriol
- (b) Washing soda
- (c) Baking soda
- (d) Gypsum

**Q52. Which acid present in tomato?**

- (a) Citric acid
- (b) Ascorbic acid
- (c) Malic acid
- (d) All of the above

**Q53. India's first "corporate" train is \_\_\_\_\_**

- (a) Vande Bharat Express
- (b) Humsafar Express
- (c) Tejas Express
- (d) None of the above



An advertisement for a live class. It features a red background with a 'NEW' banner in the top right corner. The text reads: 'Live Class', 'CRASH COURSE SELECTION BATCH', 'RRB NTPC 2.0', 'Starts February 12, 2020', and '12 Noon to 6 PM | Bilingual'. There are three photos of men, likely the instructors, overlaid on the text.

**Q54. Vermicompost is a/an –**

- (a) Inorganic Fertilizer
- (b) Toxic Substance
- (c) Organic Biofertilizer
- (d) Synthetic Fertilizer

**Q55. Air is a \_\_\_\_\_.**

- (a) Pure compound.
- (b) Mixture of only compounds.
- (c) Mixture of only elements.
- (d) Mixture of both elements and compounds.

**Q56. The world heritage site Pashupatinath temple is located at**

- (a) Peshawar
- (b) Kabul
- (c) Kathmandu
- (d) Multan

**Q57. What is not true with CT Scan?**

- (a) Combines many X-ray images.
- (b) Scanning is often painful.
- (c) Generates 3-D cross-sectional views.
- (d) Identifies normal and abnormal structures.

**Q58. Acid rain is caused by release of \_\_\_\_\_ and \_\_\_\_\_ into the air.**

- (a) Carbon dioxide and carbon monoxide
- (b) Sulphur dioxide and nitrogen oxides
- (c) Oxygen and water vapour
- (d) Nitrous oxide and ozone

**Q59. Hydrogen bomb was developed by**

- (a) Edward Teller
- (b) Bernor Bon Bron
- (c) J. Robert Opan Heemar
- (d) Samual Cohen

**Q60. The time period of a pendulum-**

- (a) Depends on the mass
- (b) Depends on the length
- (c) Depends on time
- (d) Depends on temperature

**Q61. The rain drops are spherical because-**

- (a) They fall from big height
- (b) The air has resistance
- (c) The water has surface tension
- (d) None of the above

**Q62. Source of Energy from the Sun is**

- (a) Nuclear fission
- (b) Nuclear fusion
- (c) Photoelectric effect
- (d) Cherenkov effect

**Q63. What is the source of electrical energy in an artificial satellite?**

- (a) Solar cells
- (b) Mini nuclear reactor
- (c) Dynamo
- (d) Thermopile

**Q64. A vast collection of stars held together by mutual gravitation is called**

- (a) A galaxy
- (b) Universe
- (c) Constellations
- (d) Nebula

**Q65. Which organ gets affected in Weil's disease?**

- (a) Kidney
- (b) Bleeding
- (c) Liver
- (d) All of these

**Q66. Hydrophobia is caused by -**

- (a) Bacteria
- (b) Fungus
- (c) Virus
- (d) Protozoan

**Q67. Anthophobia is fear of the following:**

- (a) Boss
- (b) Fire
- (c) Flowers
- (d) Dogs

**Q68. Blood group AB has -**

- (a) No antigen
- (b) No antibody
- (c) Neither antigen nor antibody
- (d) Both antigen and antibody

**Q69. Which Vitamins are those, if taken in excess can be dangerous as they are stored in the body?**

- (a) B Complex
- (b) E and C
- (c) B and C
- (d) A and D

**Q70. An instrument for measuring blood pressure is called -**

- (a) Barometer
- (b) Spirometer
- (c) Sphygmomanometer
- (d) Haemocytometer

**Q71. The vitamin most readily destroyed by heat is -**

- (a) Riboflavin
- (b) Ascorbic acid
- (c) Tocopherol
- (d) Thiamine

**Q72. Rickets is the deficiency disease of vitamin-D, in which the affected part is the -**

- (a) Skin
- (b) Hair
- (c) Bone
- (d) Blood

**Q73. Which of the following doesn't take the oath of the office?**

- (a) President
- (b) Vice President
- (c) Speaker
- (d) Prime Minister

**Q74. The Victoria Falls are on the river**

- (a) Niger
- (b) Congo
- (c) Zambezi
- (d) Orange

**Q75. Which is largest committee of the Indian Parliament?**

- (a) The Public Accounts Committee
- (b) The Estimate Committee
- (c) The Committee on Public Undertakings
- (d) The Committee on Petitions

**Q76. According, to census report of 2011, India's population between 2001-2011 increased by -**

- (a) 21.5 per cent
- (b) 19.3 per cent
- (c) 17.7 per cent
- (d) 16.9 per cent

**Q77. The Human Development Index (HDI) is developed by which of the following?**

- (a) UNDP
- (b) IMF
- (c) UNICEF
- (d) UNCTAD

**Q78. Which of the following is an anti-diabetic drug?**

- (a) Insulin
- (b) Penicillin
- (c) Chloroquine
- (d) Aspirin

**Q79. Name the catalyst used in the conversion of milk into curd?**

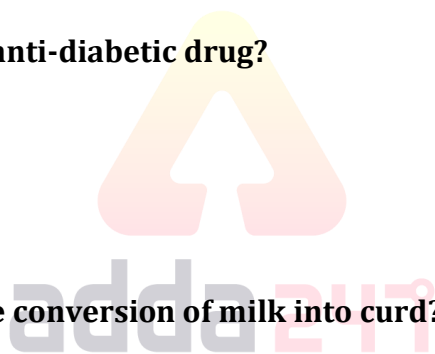
- (a) Pepsin
- (b) Invertase
- (c) Lactase
- (d) Diastase

**Q80. Which of the following is also known as Carboic Acid?**

- (a) Phenol
- (b) Hydroxide
- (c) Sulphuric Acid
- (d) Ethanol

**Q81. What is the overall term for creating, editing, formatting, storing, retrieving and printing a text document?**

- (a) Word processing
- (b) Spreadsheet design
- (c) Web design
- (d) Database management



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**Q82. To justify the selected text, the shortcut key is \_\_\_\_\_.**

- (a) Ctrl + 1
- (b) Ctrl + J
- (c) Ctrl + U
- (d) Ctrl + Alt + K

**Q83. Name the type of memory which clears everything when the power of a computer gets switched off.**

- (a) Volatile
- (b) Non-volatile
- (c) ROM
- (d) Flash memory

**Q84. Which of the following key combination can be used to open task manager?**

- (a) Ctrl + Shift + Tab
- (b) Ctrl + Shift + ESC
- (c) Ctrl + Shift + O
- (d) Ctrl + Shift + T

**Q85. Operating system is also known as:**

- (a) Database
- (b) System software
- (c) Hardware
- (d) Printer

**Q86. Commands at the top of a screen such as File-Edit, Format and Tools to operate and change things are incorporated in \_\_\_\_\_.**

- (a) Menu bar
- (b) Tool bar
- (c) User friendly
- (d) Word processor

**Q87. Which of the following is the short cut key combination to make text bold in MS Excel?**

- (a) Ctrl + Down Arrow Key
- (b) Ctrl + B
- (c) Ctrl + C
- (d) Ctrl + D

**Q88. What does RDBMS stands for?**

- (a) Relational Database Management System
- (b) Relational Data Management System
- (c) Relational Database Management Software
- (d) Relational Data Management Software

**Q89. What is Ethics to do with?**

- (a) The wider community
- (b) Business
- (c) Right and wrong
- (d) Nothing

**Q90. A (n) \_\_\_\_\_ is a problem, situation, or opportunity requiring an individual, group, or organization to choose among several actions that must be evaluated as right or wrong.**

- (a) Crisis
- (b) Ethical Issue
- (c) Indictment
- (d) Fraud

**Q91. What are the least number of square tiles required to pave the floor of a room 15m 17cm long and 9m 2cm broad.**

- (a) 714
- (b) 814
- (c) 850
- (d) 866

**Q92. Jay's room has a floor of 8m × 4m. He decides to tile the floor with tiles of 25cm × 20cm. How many tiles will he need?**

- (a) 320 tiles
- (b) 640 tiles
- (c) 160 tiles
- (d) None of these

**Q93. What is the compound interest on Rs. 10,000 at 10% per annum for 6 years if interest is compounded per 2 years?**

- (a) 7140
- (b) 7280
- (c) 7460
- (d) 7500

**Q94. The ratio of water and milk in mixture A and B are 2 : 3 and 3 : 7 respectively . What is the compound ratio of these liquids if both mixtures mixed in equal quantity?**

- (a) 11 : 4
- (b) 5 : 13
- (c) 7 : 13
- (d) 13 : 5

**Q95. Find the value of  $\sin 2A$ .**

- (a)  $2 \cos A \cdot \cos B$
- (b)  $2 \sin A \cdot \cos A$
- (c)  $2 \sin^2 A - 1$
- (d)  $2 \cos^2 A - 1$

**Q96. Find the value of  $\tan \pi$ .**

- (a) 0
- (b) -1
- (c) 1
- (d)  $\infty$

**Q97. A shopkeeper bought 40 dozen bananas at the rate of Rs. 25/dozen. He found that 8 dozen bananas got rotten. At what rate per dozen he should sell the bananas to get 20% profit?**

- (a) Rs. 41.5
- (b) Rs. 37.5
- (c) Rs. 40
- (d) Rs. 49

**Q98. What quantity of coffee at rate Rs. 57/kg mixed with 108 kg of coffee at rate Rs. 80/kg, So selling to the mixed coffee at Rs. 77/kg, shopkeeper gain  $16\frac{2}{3}\%$ ?**

- (a) 168 kg
- (b) 172 kg
- (c) 149 kg
- (d) 150 kg

**Q99. A tap can fill a water tank in 40 min and an another tap can empty a full tank in 60 min. By mistake the first tap was opened without closing the second tap. In how much minute the empty tank will get filled?**

- (a) 72
- (b) 84
- (c) 108
- (d) 120

**Q100. Ram's present age is thrice his son's present age and  $\frac{2}{5}$ th of the present age of his father. The average present age of all of them is 46 years. What is the difference of ages of Ram's father and Ram's son at present?**

- (a) 68 years
- (b) 88 years
- (c) 78 years
- (d) Cannot be determined



**Q101.** If  $1^3 + 2^3 + 3^3 + \dots + 10^3 = 3025$  then  $2^3 + 4^3 + 6^3 + \dots + 20^3$  is equal to

- (a) 6050
- (b) 9075
- (c) 12100
- (d) 24200

**Q102.**  $(2.4 \times 10^3) \div (8 \times 10^{-2})$  is equal to

- (a)  $3 \times 10^5$
- (b)  $3 \times 10^4$
- (c)  $3 \times 10^{-5}$
- (d) 30

**Q103.** The square root of  $\frac{(0.75)^3}{1-0.75} + (0.75 + (0.75)^2 + 1)$  is

- (a) 4
- (b) 3
- (c) 2
- (d) 1

**Q104.** A, B and C jointly thought of engaging themselves in a business venture. It was agreed that A would invest Rs. 6500 for 6 months, B would invest Rs. 8400 for 5 months and C would invest Rs. 10,000 for 3 months. A wants to be the working member for which, he was to receive 5% of the profits. The profit earned was Rs. 7400. Calculate the share of B in the profit.

- (a).Rs. 1900
- (b)Rs. 2660
- (c).Rs. 2800
- (d)Rs. 2840

**Q105.** A swimmer goes 6 km in one hour in still water but it takes thrice as much time in going the same distance against the current. The speed of the current (in km/hr) is

- (a) 4
- (b) 5
- (c) 3
- (d) 2

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**Q106.** The average annual income (in Rupees) of some agriculture labours is S and the average annual income of some other labours is T. The number of agriculture labours is 11 times more than that of other labours. Then what will be the average monthly income (in Rupees) of all the labours?

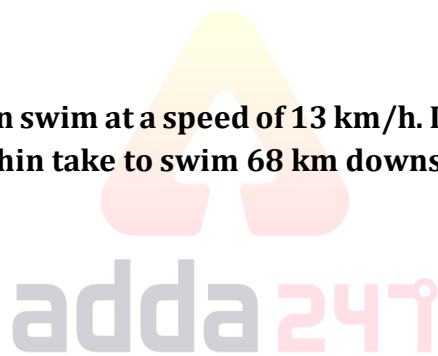
- (a)  $\frac{S+11T}{12}$
- (b)  $\frac{S+T}{2}$
- (c)  $\frac{11S+T}{12}$
- (d)  $\frac{11S+T}{144}$

**Q107.** A 300 m long Gomti express crosses a 900 m long platform in 1 min 12 sec, then what is the speed of the train?

- (a) 40 km/h
- (b) 60 km/h
- (c) 72 km/h
- (d) 81 km/h

**Q108.** A Dolphin (in still water) can swim at a speed of 13 km/h. If the speed of the stream is 4 km/h, then how much time will the dolphin take to swim 68 km downstream?

- (a) 2 hours
- (b) 8 hours
- (c) 3 hours
- (d) 4 hours



**Q109.** The average temperature of PVR Multiplex Hall, Audi-1 to Audi-4 is 48°C and the average temperature from Audi-2 to Audi-5 is 52°C. If the temperature of Audi-1 is 42°C, then what will be the temperature of Audi-5?

- (a) 30°C
- (b) 42°C
- (c) 58°C
- (d) 54°C

**Q110.** Among three numbers, the first number is double of the 2<sup>nd</sup> number and the second number is thrice of the third number. If their average is 100, then what will be the biggest number?

- (a) 120
- (b) 150
- (c) 180
- (d) 300

**Q111. At present Ranveer is 15 years older than Deepika. 5 years later Deepika will be 10 years old. What is the Present age of Ranveer (in years)?**

- (a) 15
- (b) 20
- (c) 25
- (d) 30

**Q112. The square root of a positive number less than 100 will be between these numbers**

- (a) 0 and 1000
- (b) 0 and 10
- (c) -10 and 10
- (d) -100 and 100

**Q113. If  $e = \operatorname{cosec}\theta - \sin\theta$  and  $f = \sec\theta - \cos\theta$ , then the value of  $e^2 f^2 (e^2 + f^2 + 3)$  is**

- (a) 0
- (b) 1
- (c) 2
- (d) 3

**Q114. The angles of elevation of the top of a building and the top of the chimney on the roof of the building**

**from a point on the ground are  $x$  and  $45^\circ$  respectively. The height of building is  $n$  metre. Then the height of the chimney, in metre, is:**

- (a)  $n \cot x + n$
- (b)  $n \cot x - n$
- (c)  $n \tan x - n$
- (d)  $n \tan x + n$

**Q115. If  $x + \frac{1}{x} = 1$  and  $P = x^{4000} + \frac{1}{x^{4000}}$  and  $q$  be the digit at unit place in the number  $2^{2^n} + 1$ ,  $n$  be a natural number greater than 1, then  $p + q$  :-**

- (a) 4
- (b) 6
- (c) 8
- (d) none of these

**Q116. A person spends  $12\frac{1}{2}\%$  of his income on the items of daily use and 30% of the rest on house rent. Thus he has Rs. 2940 left with him. What is his salary (in Rupees)?**

- (a) 4800
- (b) 5200
- (c) 4500
- (d) 4000

**Q117. After adding 15 litres of water to a mixture having ratio of acid and water 7 : 5 the ratio of acid and water becomes 7 : 8 in the new mixture. The total amount of water in the new mixture will be**

- (a) 35 litre
- (b) 40 litre
- (c) 60 litre
- (d) 96 litre

**Q118. Two trains running in opposite directions cross each other in 7 sec. If the length of one of the train is 150 m, then what will be the length of the other train if they are running at a speed of 50 km/h and 58 km/h respectively?**

- (a) 60 m
- (b) 120 m(c) 125 m
- (d) 100 m

**Q119. A person was asked to state his age. His reply was— “Take my age 3 years hence, multiply it by 3, subtract the triple of my age 3 years ago and you will know how old I am.” What is the present age of the person (in years)?**

- (a) 24
- (b) 20
- (c) 32
- (d) 18

**Q120. The sell of a business man in 5 consecutive month was Rs. 6,435, Rs. 6,927, Rs. 7,230, Rs. 6,855 and Rs. 6,562 respectively. How much should he sell in 6<sup>th</sup> month in order to make the average sell Rs. 6,500?**

- (a) 4991
- (b) 5991
- (c) 6991
- (d) 6001

**Directions (121-124): In the following questions, a sentence / a part of the sentence is bold. Below are given alternatives to the bold part which may improve the sentence. Choose the correct alternative. In case no improvement is required, choose "No Improvement" option.**

**Q121. While the Modi government moves him to the centre stage of national conversation, an effort is simultaneously underway to bringing about a confluence of Left and Ambedkarite politics.**

- (a) simultaneous underway to bring down
- (b) simultaneously underway in bringing about
- (c) simultaneously underway to bring about
- (d) No improvement.

**Q122. Three young entrepreneurs have been launching Big Fiesta, a subscription-based service that helps you whip up a gourmet feast in the comfort of your own kitchen.**

- (a) has launched
- (b) have launched
- (c) have been launched
- (d) No improvement.

**Q123. April will have an important month for India's Dalit-Bahujans as it marks the anniversaries of two iconic figures -- JyotibaPhule and Dr. B.R. Ambedkar.**

- (a) April was the important month for
- (b) April has an important month for
- (c) April is an important month for
- (d) No improvement.

**Q124. Pop superstar Prince, which has been widely acclaimed as one of the most inventive musicians of his era, was found dead at his home on Thursday in suburban Minneapolis.**

- (a) who was widely acclaimed as one of the most inventive musicians
- (b) who is widely acclaimed as one of the most inventive musician
- (c) that was widely acclaimed as one of the most inventive musicians
- (d) No improvement.

**Directions (125-130): In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.**

**Q125. The Grameen Bank was (A)/ set up to lend small amount of money (B)/ for the poor. (C)/No error (D).**

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

**Q126. He is given me (A)/ a lot of documents to read before (B)/ the presentation tomorrow. (C)/ No error (D).**

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

**Q127. Many of our staff (A)/ had the opportunity to go to Pune (B)/ for training last year. (C)/No error (D).**

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

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**Q128. Even those which (A)/ have no previous work experience have (B)/ applied for this job. (C)/No error (D).**

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

**Q129. Most of the funds (A)/ we get from America is used to (B)/ build roads and bridges. (C)/No error (D).**

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

**Q130. Since the trip to home (A)/ was expensive I did not went home (B)/ during the holidays. (C)/ No error (D).**

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

**Direction (131-140): In the following questions, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

**Q131. Did you catch the bus this morning?**

- (a) Did the bus was caught by you this morning?
- (b) Was this morning bus caught by you?
- (c) Was the bus caught by you this morning?
- (d) Was the bus catch by you this morning?

**Q132. Please clean your room.**

- (a) You are requested to clean your room.
- (b) You are advised to clean your room.
- (c) You are to clean your room.
- (d) You are ordered to clean your room.

**Q133. They are to buy a car.**

- (a) A car is bought by them.
- (b) A car to be bought by them.
- (c) A car is being bought.
- (d) A car is to be bought by them.

**Q134. Why do you waste money?**

- (a) Why is money been wasted by you?
- (b) Why has money been wasted by you?
- (c) Why is money wasted by you?
- (d) Why is money being wasted by you?

**Q135. The majestic Asiatic Lions roam the sanctuary.**

- (a) The Asiatic lions which are majestic roamed the sanctuary.
- (b) The sanctuary is the place where the majestic Asiatic lions roam.
- (c) The sanctuary is roamed by the majestic Asiatic lions.
- (d) The majestic Asiatic Lions have been roaming the sanctuary.

**Q136. Sita learns her lessons daily.**

- (a) Her lessons was learnt daily by Sita.
- (b) Her lessons were learnt daily by Sita.
- (c) Her lessons is learnt daily by Sita.
- (d) Her lessons are learnt daily by Sita.

**Q137. Did he plan an excursion to mountains?**

- (a) Is an excursion to mountains planned by him?
- (b) Was an excursion to mountains planned by him?
- (c) Has an excursion to mountains planned by him?
- (d) Had an excursion to mountains planned by him?

**Q138. Has she worked out all the sums?**

- (a) Have all the sums been worked by her?
- (b) Have all the sums been worked out by her?
- (c) Have all the sums worked out by her?
- (d) Has all the sums been worked out by her?

**Q139. Send for the doctor.**

- (a) Let the doctor be sent.
- (b) Let the doctor sent for.
- (c) Let the doctor be sent for.
- (d) Let the doctor send.

**Q140. They will have to do the work sincerely.**

- (a) The work will have to be done sincerely by them.
- (b) The work will have been done sincerely by them.
- (c) Sincerely the work has been done by them.
- (d) The work is being done sincerely by them.

**Directions (141-150):** In the following questions, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.

**Q141. The priest said, "May God pardon this sinner!"**

- (a) The priest prayed if God will pardon that sinner.
- (b) The priest said that God might pardon the sinner.
- (c) The priest prayed that God would pardon this sinner.
- (d) The priest prayed that God might pardon that sinner.

**Q142. "What a stupid fellow you are!" she remarked.**

- (a) She exclaimed that what a stupid fellow he was
- (b) She exclaimed that he was a very stupid fellow
- (c) She exclaimed in disgust how he could be so stupid
- (d) She asked him what a stupid fellow he was

**Q143. The police said to the thief, "Don't move."**

- (a) The police ordered the thief not to move.
- (b) The police ordered the thief that he should not move
- (c) The police told the thief that he did not move
- (d) The police ordered to the thief to not move

**Q144. He said, "I am going to college just now."**

- (a) He said that he was going to college just now
- (b) He asked that he was going to college just then.
- (c) He said that he was going to college just then.
- (d) He asked that he was going to college just now

**Q145. The teacher said to the student "Can you explain this?"**

- (a) The teacher asked the student whether he can explain this
- (b) The teacher asked the student whether he can explain that
- (c) The teacher asked the student whether he could explain this
- (d) The teacher asked the student whether he could explain that

**Q146. Ramu said, "My master is planning to build a huge house in Khandala."**

- (a) Ramu said that his master planned to build a huge house in Khandala
- (b) Ramu said that his master is planning to build a huge house in Khandala
- (c) Ramu said that his master's plan is to build a huge house in Khandala
- (d) Ramu said that his master was planning to build a huge house in Khandala

**Q147. He said that he had been waiting there for a long time.**

- (a) He said, "I have been waiting here for a long time."
- (b) He said, "He have been waiting here for a long time."
- (c) He said, "He has been waiting there for a long time."
- (d) He said, "I am waiting here for a long time."



**Q148. "Please, take me to the officer," said the visitor.**

- (a) The visitor requested them to take him to the officer
- (b) The visitor told them to take him to the officer
- (c) The visitor requested for the officer to be taken
- (d) The visitor wanted the officer to take him there

**Q149. Nitin said, "What a pleasant atmosphere this place has!"**

- (a) Nitin exclaimed with joy that that place was a pleasant atmosphere
- (b) Nitin exclaimed with joy that was a pleasant atmosphere in that place
- (c) Nitin exclaimed with joy that that place had a pleasant atmosphere
- (d) Nitin exclaimed with joy that what a pleasant atmosphere that place had

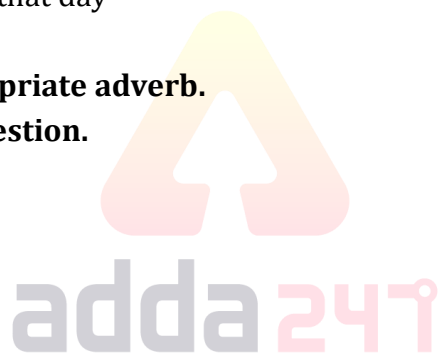
**Q150. Aarati said, "I am in a hurry today."**

- (a) Aarati said that she was in a hurry that day
- (b) Aarati said that I am in a hurry today
- (c) Aarati said that she is in a hurry today
- (d) Aarati said that she is in a hurry that day

**Q151. Fill in the blank with appropriate adverb.**

**I will \_\_\_\_\_ consider your suggestion.**

- (a) lightly
- (b) serious
- (c) seriously
- (d) trivially



**Q152. Fill in the blank with correct conjunction.**

**\_\_\_\_\_ he runs fast he will not be able to catch the last metro.**

- (a) despite
- (b) in case
- (c) in spite
- (d) unless

**Q153. Fill in the blank with appropriate adverb.**

**The mother watched \_\_\_\_\_ as her child crossed the street alone.**

- (a) concerned
- (b) anxiously
- (c) worried
- (d) anxious

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**Q154. Fill in the blank with appropriate preposition.**

**These vehicles are capable\_\_\_\_\_ carrying satellites weighing 500 kg**

- (a) on
- (b) of
- (c) in
- (d) with

**Q155. Fill in the blank with correct adverb.**

**The Survey says that the subsidies under National Food Security Act (NFSA) should be \_\_\_\_\_reduced**

- (a) illegally
- (b) hopefully
- (c) approximately
- (d) sharply

**Q156. Fill in the blank with appropriate adjective.**

**The GoI believes that there is a need for greater inflow of fund towards the education sector to absorb more talented teachers, innovate and build \_\_\_\_\_labs.**

- (a) extensive
- (b) state-of-the-art
- (c) better
- (d) elaborate

**Q157. Scientists have identified \_\_\_\_\_ regions that make people \_\_\_\_\_ tasks rather than tackling them immediately.**

- (a) head; differ
- (b) face; postpone
- (c) mind; prepone
- (d) brain; defer

**Q158. War photographers use black and white pictures as a \_\_\_\_\_ because they will shout and scream at you. You won't \_\_\_\_\_ the black and white, but you could walk past a colour picture.**

- (a) strategy; consider
- (b) weapon; like
- (c) weapon; miss
- (d) speaker; ignore

**Q159. Earth's north magnetic \_\_\_\_\_ has been drifting so fast in the last few decades that scientists say that past estimates are no longer accurate enough for precise\_\_\_\_\_.**

- (a) area; estimates
- (b) region; estimates
- (c) pole; navigation
- (d) zone; navigation

**Q160. Fill in the blank with correct preposition.**

**What the government is struggling \_\_\_\_\_ is finding effective ways of preventing young British-born Muslims becoming radicalised in the first place.**

- (a) under
- (b) in
- (c) for
- (d) with

**Directions (161-165): In the following questions, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.**

**Q161. WREAK**

- (a) Detach
- (b) Perpetrate
- (c) Construct
- (d) Ripple

**Q162. PROFITEERING**

- (a) Confession
- (b) Vagary
- (c) Diagnosis
- (d) Exploitation

**Q163. VOLTE-FACE**

- (a) Cancellation
- (b) Enactment
- (c) Normality
- (d) Expansion

**Q164. OBVERSE**

- (a) Inhibition
- (b) Abatement
- (c) Counterpart
- (d) Stronghold

**Q165. CRIMP**

- (a) Inspect
- (b) Wrinkle
- (c) Overlook
- (d) Upgrade



**Direction (166-170):** In the following questions, choose the word opposite in meaning to the given word.

**Q166. CONDUCTIVE**

- (a) Opportune
- (b) Background
- (c) Salutary
- (d) Useless

**Q167. PEDDLE**

- (a) Debase
- (b) Recommend
- (c) Counsel
- (d) Submit

**Q168. COUP**

- (a) Triumph
- (b) Stroke
- (c) Catastrophe
- (d) Proxy

**Q169. INTACT**

- (a) Entire
- (b) Pristine
- (c) Integral
- (d) Damaged

**Q170. BROWBEAT**

- (a) Hector
- (b) Console
- (c) Persecute
- (d) Coerce



**Direction (171-175):** Read the passage carefully and choose the best answer to each question out of the four alternatives.

Many of the serious health concerns in modern America can be linked to poor diet. People who regularly consume foods high in sodium, sugar and saturated fats not only increase their chances of obesity, but also increase their risks of developing heart diseases, hypertension, diabetes and several types of cancer. Although some people, who regularly consume unhealthy foods do so knowingly, there is also a significant portion of the population that remains under-educated about proper nutrition. What is more, individuals who live in food deserts — areas in low income neighbourhoods that lack easy access to healthy, affordable food — may not even have the opportunity to obtain nutritious food. Food deserts are located in high poverty areas, such as sparsely populated rural areas or densely populated, low-income urban centres. Food deserts most often develop when major supermarket chains either relocate out of these areas or simply refrain from building stores there. Major food retailing chains tend to limit their store locations to wealthier urban or suburban neighbourhoods. This means that those who live in high poverty areas often also live miles away from fresh meats, dairy products and produce available at supermarkets. Furthermore, fast food restaurants are disproportionately concentrated in low-income areas.

**Q171. The best possible title for the passage is**

- (a) Supermarket's Contribution to Obesity in America
- (b) The Dangers of Fast Food
- (c) Food Deserts : The Problem of Poor Diet
- (d) Why Processed Food Kills

**Q172. Serious health concerns in modern America are related to**

- (a) smoking
- (b) fast life
- (c) poor diet
- (d) loneliness

**Q173. Food deserts are**

- (a) areas having large supermarket chains.
- (b) low-income areas without access to healthy foods.
- (c) areas having large-scale plantations.
- (d) areas not having large number of restaurants.

**Q174. Food-deserts are formed when**

- (a) major supermarket chains are unavailable in some areas.
- (b) people do not like eating fresh food.
- (c) people relocate to new areas.
- (d) most remain under-educated about nutritious food.

**Q175. People belonging to low-income group mostly resort to**

- (a) fresh milk and vegetables.
- (b) gambling.
- (c) rash driving.
- (d) fast food

**Directions (176-177): In the following questions, out of the four alternatives, choose the alternative which best expresses the meaning of the idiom/Phrase.**

**Q176. Make room**

- (a) Clean the room
- (b) Make space
- (c) Attain the room
- (d) Make a clean sweep

**Q177. Break a leg**

- (A) to get hurt
- (B) good luck
- (C) nightmare
- (D) outstanding

**Directions (178-180):** In the following questions, the 1st and the last part of the sentence/passage are numbered 1 and 6. The rest of the sentence/ passage is split into four parts and named P, Q, R and S. These four parts are not given in their proper order. Read the sentence/passage and find out which of the four combinations is correct.

**Q178. 1.** We searched everywhere,  
**P.** and amongst the magazines  
**Q.** inside the cupboards and suitcases,  
**R.** and books but Sameer could find no  
**S.** under the bed and tables  
**6.** trace of his wallet.

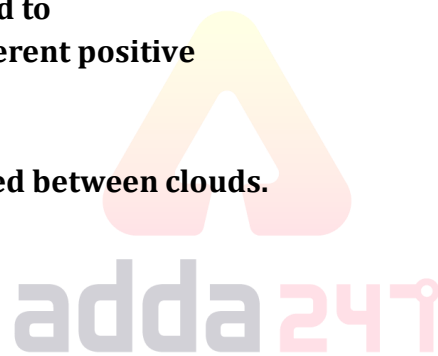
- (a) QRPS
- (b) PRSQ
- (c) RPQS
- (d) SQPR

**Q179.1.** Lightning is simply a large electrical  
**P.** charges jumping from one cloud to  
**Q.** Earth. This occurs because different positive  
**R.** spark. It is caused by electric  
**S.** another, or from a cloud to the  
**6.** and negative charges are created between clouds.

- (a) RPSQ
- (b) SQPR
- (c) SRQP
- (d) QSPR

**Q180. 1.** If there are no trees  
**P.** Thus the yield of crops is low.  
**Q.** gets washed in rain.  
**R.** This upper layer is the most fertile part of the soil.  
**S.** the upper layer of rich soil  
**T.** Hence afforestation drive is essential.

- (a) RSPQ
- (b) SQRP
- (c) PRSQ
- (d) SQPR

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