

9th June 2023 (Shift - 2)

- Q1.** In a 40 litre mixture of milk and water, the ratio of milk to water is 3 : 1. How much water (in litres) should be added to make this ratio 2 : 3 ?  
 (a) 30 (b) 45  
 (c) 35 (d) 40
- Q2.** The average of five consecutive natural numbers is 50. What is the product of the smallest and the largest of the numbers?  
 (a) 2496 (b) 2560  
 (c) 3200 (d) 1800
- Q3.** The Malacca Strait located between Indonesia-Malaysia joins Andaman Sea to:  
 (a) Bay of Bengal (b) Tasman Sea  
 (c) South China Sea (d) Red Sea
- Q4.** What will be the area of a right-angled triangle whose hypotenuse is 10 cm and base is 6 cm?  
 (a) 60 sq cm (b) 24 sq cm  
 (c) 48 sq cm (d) 30 sq cm
- Q5.** ₹2000 amounts to ₹2226.05 in 2 years on compound interest. What is the rate of interest per annum?  
 (a) 5% (b) 5.25%  
 (c) 5.5% (d) 6%
- Q6.** A, B and C started a business on partnership by investing ₹29000, ₹50,000 and ₹65,000 respectively. After 8 months, A invested ₹24,000 more while C withdrew ₹15,000. If profit earned at the end of the year is ₹1,04,000, then find the share of C in the profit.  
 (a) ₹38,000 (b) ₹38,850  
 (c) ₹39,200 (d) ₹39,000
- Q7.** Find the next term in the alpha numeric series:  
 2 CV, 3 FU, 5 IT, 7 LS, \_\_\_\_\_?  
 (a) 11 PR (b) 11 OR  
 (c) 13 OR (d) 8 OR
- Q8.** What is the scientific name of Banana?  
 (a) Solanum tuberosum (b) Zea Mays  
 (c) Musa Paradisicum (d) Oryza Sativa
- Q9.** At what time between 8 and 9 O' clock the hands of a clock coincide?  
 (a)  $42\frac{7}{11}$  min past 8 (b)  $43\frac{7}{11}$  min past 8  
 (c) 40 min past 8 (d)  $45\frac{7}{11}$  min past 8
- Q10.** Numbers from 3 to 51 are placed in a box. If a number is drawn from it, find the probability that the number drawn is a perfect cube.  
 (a)  $\frac{5}{47}$  (b)  $\frac{1}{17}$   
 (c)  $\frac{11}{50}$  (d)  $\frac{2}{49}$
- Q11.** If in a certain language, PUBLIC is coded as KFYORX, then how is 'SERVANT' coded in that language?  
 (a) HIVEZGM (b) GMZEVIH  
 (c) HVIEZMG (d) HIVZEGM
- Q12.** Phonograph is used for \_\_\_\_\_.  
 (a) producing sound (b) making calls  
 (c) producing  $\gamma$ -rays (d) producing X-rays
- Q13.** India's First Deputy Prime Minister was:  
 (a) Morarji Desai  
 (b) Devi Lal  
 (c) Charan Singh  
 (d) Sardar Vallabhbhai Patel
- Q14.** Read the following information carefully and give the answer:  
 A, B, C are honest.  
 A, D, E are intelligent.  
 D, C, and E are hard working.  
 A, B and E are actors.  
 Which of the following persons is neither honest nor Actor?  
 (a) A (b) B  
 (c) C (d) D
- Q15.** Angle of elevation of the top of a building from a point P on the horizontal is  $30^\circ$ . If the point P is 48 m away from the foot of the building, then what is the height of the building?  
 (a)  $48\sqrt{3}$  m (b)  $32\sqrt{3}$  m  
 (c)  $16\sqrt{3}$  m (d)  $28\sqrt{3}$  m
- Q16.** Five Girls are sitting in a row, Rashi, is not adjacent to Sulekha or Abha, Anuradha is not adjacent to Sulekha, Rashi is adjacent to Manika, Manika is at the middle in the row. Then Anuradha is adjacent to whom out the following?  
 (a) Rashi (b) Sulekha  
 (c) Abha (d) Manika
- Q17.** Wular lake is situated in which place?  
 (a) Rajasthan (b) Jammu & Kashmir  
 (c) Himachal Pradesh (d) Odisha
- Q18.** What is the smallest five-digit number which is when divided by 7, 11 and 21 leaves a remainder 3 in each case?  
 (a) 10019 (b) 10001  
 (c) 10111 (d) 10167
- Q19.** Who gave the slogan "Satyameva Jayate"?  
 (a) Pt. Madan Mohan Malviya  
 (b) Bal Gangadhar Tilak  
 (c) Lala Lajpat Rai  
 (d) Mahatma Gandhi
- Q20.** Match List-I with List-II:
- | List-I | List-II |
|--------|---------|
|        |         |

**General Test - Previous Year Papers**

(A)	Sitar	(I)	Light energy into electric energy
(B)	Photocell	(II)	Chemical energy into electrical energy
(C)	Battery	(III)	Electrical energy into sound energy
(D)	Loudspeaker	(IV)	Mechanical energy into sound energy

Choose the **most appropriate** answer from the options given below:

- (a) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)  
 (b) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)  
 (c) (A)-(IV), (B)-(I), (C)-(II), (D)-(III)  
 (d) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)

**Q21.** I am facing West. I turn  $100^\circ$  in the anticlockwise direction and then  $145^\circ$  in the clockwise direction. Which direction am I facing now?

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

**Q22.** 'Malgudi Days' is written by \_\_\_\_\_.

- (a) Sarojini Naidu                      (b) K.R. Mangalam  
 (c) R.K. Narayan                      (d) Yashpal

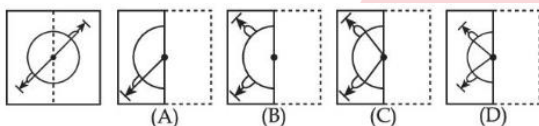
**Q23.** In which state famous "Panch Mahal" is situated?

- (a) Fatehpur Sikri (U.P.)                      (b) Udaipur (Rajasthan)  
 (c) Ujjain (M.P.)                      (d) Konark (Odisha)

**Q24.** Pointing to Anil, Shivani said, "He is the son of my father's only son". How is Anil's mother related to Shivani??

- (a) Daughter                      (b) Aunt  
 (c) Sister-in-law                      (d) Sister

**Q25.** Figure out from the four alternatives, how the pattern would appear when the transparent sheet is folded at the dotted line.



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

**Q26.** Mars takes \_\_\_\_\_ days to complete one revolution around sun (Orbital Period).

- (a) 380                      (b) 687  
 (c) 390                      (d) 650

**Q27.** Artificial language is given below for sentences:

'tap il pue'' means Life is hard  
 'pue' tiw il' means hard is nothing  
 'tap zeu ylu' means Enjoy your life

Which code could mean 'life is nothing' in that Artificial language?

- (a) zeu tap il                      (b) pue tap ylu  
 (c) ylu tap tiw                      (d) tap tiw il

**Q28.** Life span of 'WBC' is \_\_\_\_\_.

- (a) (100 - 120) days                      (b) (10 - 15) hours  
 (c) (20 - 24) hours                      (d) (12 - 20) days

**Q29.** Given below are two statements: one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

**Assertion (A):** Food materials should not be soaked in water for a long time.

**Reason (R):** Washing leads to loss of Vitamin B and Vitamin C from the food materials because these Vitamins are soluble in water.

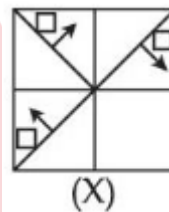
In the light of the above statements, choose the **most appropriate** answer from the options given below:

- (a) Both **(A)** and **(R)** are correct and **(R)** is the correct explanation of **(A)**  
 (b) Both **(A)** and **(R)** are correct but **(R)** is not the correct explanation of **(A)**  
 (c) **(A)** is correct but **(R)** is not correct  
 (d) **(A)** is not correct but **(R)** is correct

**Q30.** The orthocentre of a triangle is the point of concurrency of its:

- (a) medians  
 (b) altitudes  
 (c) right bisectors of sides  
 (d) bisectors of angles

**Q31.** Select a figure from the four alternatives, which is when placed in the blank space of fig. (X) would complete the pattern.

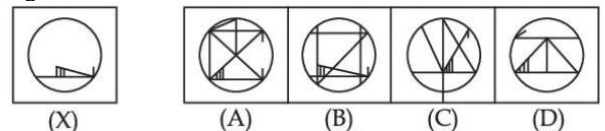


- (a)                      (b)
- (c)                      (d)

**Q32.** Choose the correct mirror image of the word: COVID 19

- (a) 91D1VOIC                      (b) 91DIVIOC  
 (c) 91DIVIOC                      (d) 19DIVIOC

**Q33.** Choose the alternative figure in which the problem figure is embedded.

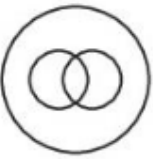





- (a) (A)                      (b) (B)  
 (c) (C)                      (d) (D)

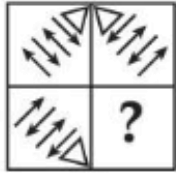
**Q34.** A dealer of scientific instruments allows 20% discount and still makes a profit of 25%. If his gain on sale of an instrument is ₹150, then find the marked price of the instrument.

- (a) ₹826.25                      (b) ₹750  
 (c) ₹937.50                      (d) ₹428.75

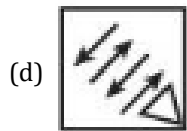
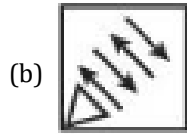
**General Test - Previous Year Papers**

- Q35.** The Currency of Russia is:  
 (a) Euro (b) Korne  
 (c) Rouble (d) Leu
- Q36.** Identify the diagram that best represents the relationship among classes given below:  
 Sportsmen, Cricketers, Batsman
- (a) 
- (b) 
- (c) 
- (d) 
- Q37.** A train travels at 82.6 km/hr. How many meters will it cover in 15 minutes?  
 (a) 20650 (b) 21650  
 (c) 18550 (d) 17950
- Q38.** Simran can complete a work in 20 days. How much work will be done by her in 12 days?  
 (a)  $\frac{3}{5}$  (b)  $\frac{5}{8}$   
 (c)  $\frac{4}{5}$  (d)  $\frac{2}{3}$
- Q39.** The book 'Devdas' is written by:  
 (a) Gajanan Madhav  
 (b) Sarat Chandra Chattopadhyay  
 (c) Phanishwar Nath  
 (d) Amrit Lal Nagar
- Q40.** Mahesh and Sujain are ranked eighth and eleventh respectively from the top in a class of 32 students. What will be their respective ranks from the bottom in the class?  
 (a) 25<sup>th</sup> and 22<sup>nd</sup> (b) 26<sup>th</sup> and 22<sup>nd</sup>  
 (c) 24<sup>th</sup> and 22<sup>nd</sup> (d) 22<sup>nd</sup> and 20<sup>th</sup>
- Q41.** If the sum of the diameters of two circles is 30 cm and the difference of their radii is 5 cm, then the ratio of area of the smaller circle to that of the bigger circle is:  
 (a) 4 : 5 (b) 3 : 4  
 (c) 2 : 3 (d) 1 : 4
- Q42.** Which of the following statement(s) is/are correct. Here a and r have their usual meaning:  
 (A) a, ar, ar<sup>2</sup>, ..... is a G.P.  
 (B) n<sup>th</sup> term of a G.P. is a<sub>n</sub> = ar<sup>n-1</sup>  
 (C) n<sup>th</sup> term of a G.P. is a<sub>n</sub> = ar<sup>n+1</sup>

- (D) Sum Of first n terms Of a G.P. is  $S_n = a \left( \frac{r^n - 1}{r - 1} \right), r \neq 1$   
 (E) 4, 16, 256, ..... is a G.P.
- Chose the **correct** answer from the options given below:  
 (a) (A) and (B) only  
 (b) (C) and (D) only  
 (c) (A), (B), (D) and (E) only  
 (d) (A), (B) and (D) only
- Q43.** Select the option from given alternatives which will come in place of?  
 EXI :: 5X9 :: NXS : \_\_\_\_?  
 (a) 12X17 (b) 13X17  
 (c) 14X19 (d) 14X21
- Q44.** Infant Mortality Rate (IMR) is:  
 (a) Number of children born in a year  
 (b) Number of deaths in a year per 1,000 live births of children  
 (c) Total of live births in a year divided by total mid-year population  
 (d) Average number of children born to a woman over her lifetime
- Q45.** \_\_\_\_\_ is called the "Earth's twin."  
 (a) Saturn (b) Mars  
 (c) Venus (d) Jupiter
- Q46.** "Swachh Bharat Abhiyan" was launched on \_\_\_\_\_.  
 (a) 2 October, 2012 (b) 2 October, 2013  
 (c) 2 October, 2014 (d) 2 October, 2015
- Q47.** The sum of the squares of three consecutive odd numbers is 2531. Find the smallest of these numbers.  
 (a) 27 (b) 29  
 (c) 31 (d) 37
- Q48.** Find the area (in square units) of a triangle whose vertices are (1, -1), (-4, 6) and (-3, -5).  
 (a) 22 (b) 24  
 (c) 25 (d) 27
- Q49.** The price of an article is first increased by 20% and subsequently decreased by 25% due to reduction in sales. Find the net percentage change in price of the article.  
 (a) 10% decrease (b) 0.2% increase  
 (c) 8% decrease (d) 5% decrease
- Q50.** Which amongst the following was an exclusive women force that fought for Independence of India from British rule?  
 (a) Rani Jhansi Brigade (b) Annie Besant Force  
 (c) Lalleshwari (d) Anushitan Samiti
- Q51.** Select a figure from the four alternatives which is when placed in the blank space of fig (X) would complete the pattern.



(X)



**Q52.** In a certain code, CIRCULAR is written as CRIUCALR.

How is REMEMBER written in that code?

- (a) REEEMMBR (b) RMMEEEBR  
(c) REMMEBER (d) RMEMEEBR

**Q53.** Where is the headquarters of NATO?

- (a) England (b) America  
(c) Russia (d) Belgium

**Q54.** In the following question, one of the terms in the number series is wrong. Find out the wrong term.

160, 118, 83, 75, 34, 20

- (a) 75 (b) 34  
(c) 118 (d) 83

**Q55.** Match List-I with List-II:

List-I (Planet)		List-II (Position with respect to Sun)	
(A)	Earth	(I)	First Position
(B)	Mars	(II)	Fourth Position
(C)	Mercury	(III)	Second Position
(D)	Venus	(IV)	Third Position

Choose the **most appropriate** answer from the options given below:

- (a) (A)-(III), (B)-(IV), (C)-(III), (D)-(I)

(b) (A)-(IV), (B)-(II), (C)-(I), (D)-(III)

(c) (A)-(I), (B)-(IV), (C)-(III), (D)-(II)

(d) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)

**Q56.** In a month of 31 days, third Friday falls on 17<sup>th</sup>. What will be the last day of the month?

- (a) 5th Thursday (b) 5th Friday  
(c) 5th Saturday (d) 5th Sunday

**Q57.** What is the pH range of milk?

- (a) (7.2 - 7.5) (b) (9.2 - 9.5)  
(c) (6.7 - 6.9) (d) (3.4 - 3.9)

**Q58.** The volumes of two cubes are in the ratio 8 : 27. The ratio of their surface areas is:

- (a) 2 : 3 (b) 1 : 9  
(c) 4 : 9 (d) 8 : 27

**Q59.** In a function girl were allowed to wear only red, blue or black dress. If 15 girls were wearing red, 10 girls were wearing blue and 20 girls were wearing black, then the probability that a girl selected at random was not wearing black dress is:

- (a)  $\frac{4}{9}$  (b)  $\frac{7}{9}$   
(c)  $\frac{5}{9}$  (d)  $\frac{8}{9}$

**Q60.** Number of employees in different departments of an organisation and department wise percentage of female employees is given in the table.

Department	Number of Employees	Percentage of Females
IT	840	45
Accounts	220	35
Production	900	23
HR	360	65
Marketing	450	44
Customer Service	540	40

What is the ratio of the number of females in production department to the number of females in the Marketing Department?

- (a) 22 : 23 (b) 35 : 33  
(c) 23 : 22 (d) 33 : 35