

# IBPS Clerk Mains 2022 Memory Based Paper (PDF in English)

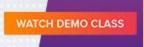




- 1.Serbia's Novak Djokovic has won Wimbledon open 2022, it was his Wimbledon title?
- A. fourth
- B. fifth
- C. sixth
- D. seventh
- E. eighth
- 2.For better coordination at G20 which post has been created by India and Amitabh Kant has been appointed to the post recently?
- A. CEO
- B. Sherpa
- C. Director
- D. Chief Coordinator
- E. None of the above
- 3. Who releases the Red Data list of threatened species?
- A. IUCN
- B. Wildlife Institute of India
- C. WWF
- D. Conservation International
- E. Wildlife Conservation Society
- 4.WWF Logo depicts which animal?
- A. Penguin
- B. Polar Bear
- C. Giant panda
- D. White Tiger
- E. Dugong
- 5.G7 Summit 2022 was held in which country?
- A. Canada
- B. United Kingdom
- C. France
- D. Germany
- E. Japan

- 6.The Only Asian city that is among the top ten most liveable cities according to the 2022's Global Liveability Index?
- A. Singapore, Singapore
- B. Osaka, Japan
- C. Jakarta, Indonesia
- D. Beijing, China
- E. Tokyo, Japan
- 7.By which year the urban population will become 675 million?
- A. 2025
- B. 2028
- C. 2030
- D. 2035
- E. 2040
- 8.Shinzo Abe became the Prime Minister of Japan for the first time
- A. 2005
- B. 2006
- C. 2007
- D. 2008
- E. 2009
- 9.The Anti-Defection Law was inserted into the constitution of India by in which schedule?
- A. Sixth
- B. Seventh
- C. Eighth
- D. Nineth
- E. Tenth
- 10.PM SVAnidhi scheme has been extended till .
- A. 2023
- B. 2024
- C. 2025 E. 2028
- D. 2026

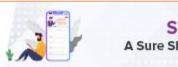






- 11. What is the implementation period for the PM Matsya Sampada Yojana?
- A. FY 2015-16 to FY 2022-23
- B. FY 2014-15 to FY 2022-23
- C. FY 2018-29 to FY 2023-24
- D. FY 2020-21 to FY 2024-25
- E. FY 2021-22 to FY 2026-27
- 12. The Week magazine has been released by \_\_\_\_\_.
- A. The Hindu Group
- B. Publication Division
- C. India Today Group
- D. The Malayala Manorama Co. Ltd.
- E. None of the above
- 13. The Reserve Bank of India (RBI) has been conducting Financial Literacy Week (FLW) every year since which year to propagate financial education messages on various themes among members of the public across the country.
- A. 2014
- B. 2015
- C. 2016
- D. 2017
- E. 2018
- 14.What does 'A' stand for in NIRYAT, a postal launched by PM Narendra Modi?
- A. Ayaat
- B. Analysis
- C. Abroad
- D. Average
- E. Addition

- 15. Which of the following deals with Stressed Assets of various commercial banks and financial institutions?
- A. NaBFID
- B. NPCI
- C. NARCL
- D. NABARD
- E. SIDBI
- 16. Name the top three Indian states in the 'State Ranking Index for National Food Security Act (NFSA)?
- A. Odisha, Uttar Pradesh and Andhra Pradesh
- B. Telangana, Karnataka and Madhya Pradesh
- C. Rajasthan, Gujarat, and Maharshtra
- D. Bihar, Odisha and Jharkhand
- E. Haryana, Punjab and Kerala
- 17. How many credit rating agencies are there in India?
- A. Four
- B. Five
- C. Six
- D. Seven
- E. Eight
- 18. The RBI has reduced the networth requirement to obtain authorization for a non-bank BBPOU (Bharat Bill Payment Operating Units) to \_\_\_\_\_ from Rs. 100 crores.
- A. Rs. 20 crore
- B. Rs. 25 crore
- C. Rs. 35 crore
- D. Rs. 45 crore
- E. Rs. 50 crore



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- 19. Which is the implementing agency of PM Sahaj Bijli Har Ghar Yojana?
- A. NTPC
- B. Rural Electrification Corporation Limited (REC)
- C. PFC
- D. NHPC
- E. None of the above
- 20. Which among the options is not a Small Saving Scheme?
- A. Sukanya Samriddhi Scheme
- B. Public Provident Fund (PPF)
- C. Senior Citizens' Savings Scheme
- D. National Small Savings Certificate (NSC)
- E. PM Vaya vandana yojana
- 21. What is the maximum entry age under the Arogya Sanjeevani Policy?
- A. 35 years
- B. 45 years
- C. 55 years
- D. 60 years
- E. 65 years
- 22. The International Democracy Day is observed on which date?
- A. 1st July
- B. 21<sup>st</sup> May
- C. 10<sup>th</sup> July
- D. 15<sup>th</sup> September
- E. None of these
- 23. Certificate of Deposit can be issued by which of the following entity?
- A. Reserve Bank, NABARD and Exim Bank only

- B. Commercial banks and term lending institutions
- C. Scheduled commercial banks excluding regional rural banks
- D. All the above
- E. None of the above
- 24.India officially takes over over the operations of Chabahar port. The port of Chabahar is located in which country?
- A. Iraq
- B. Iran
- C. Afghanistan
- D. Oman
- E. Qatar
- 25. Maryna Viazovska, who becomes the second woman to receive the 2022 Fields Medal for mathematics, is belong to which country?
- A. Russia
- B. Iran
- C. France
- D. Britain
- E. Ukraine
- 26.What is the maximum remittance amount permissible under the Liberalized Remittance Scheme?
- A. USD 250,000 per financial year
- B. USD 100,000 per financial year
- C. USD 500,000 per financial year
- D. USD 750,000 per financial year
- E. USD 600,000 per financial year



27. Which of the following sports company has become the official sponsor with the Indian Olympics Association (IOA) for the Birmingham Commonwealth 2022, Hangzhou Asian Games 2022, and Paris Olympic 2024?

A. Adani Sportsline

B. Adidas

C. Nike

D. ESPN

E. Sky Sports

28.Among the 6 consecutive odd numbers, product of first two odd numbers is 483. What is the average of all six numbers?

A. 24

B. 32

C. 36

D. 26

E. 23

29.A start a partnership by investing Rs. 3200. At the end of 4 months, B joined the business by investing Rs. 4800 and at the end of 5 months from start of business, C joined the business by investing Rs. 12800. If at the end of the year, the profit share of A is 1740, what is the profit share of C?

A. Rs. 4060

B. Rs. 4820

C. Rs. 3250

D. Rs. 5170

E. None of these

30.A and B together can complete 50% of a work in 6 days. B is 50% more efficient than A and C is 25% more efficient than A. In how many days A and C together can complete 75% of work?

A. 12

B. 10

C. 8

D. 15

E. 7

31.A boat travel X km upstream in 44 min and 2X km downstream in 1 hour 6 min. Speed of boat in still water is what percentage more than the speed of stream?

A. 550%

B. 600%

C. 625%

D. 450%

E. None of these

32. The ratio of age of a mother to her daughter four years ago was 6:
1. Eight years hence the ratio of age of mother to the daughter will be 8:
3. What is the ratio of mother's age 2 years ago to the present age of daughter?

A. 5:2

B. 18:3

C. 19:5

D. 17:4

E. None of these





33.A train travel from a station A to station B at speed of 45 km/h. In return journey train travel at a speed of 30 km/h for 180 km and after that train travels at 54 km/h. If in return journey, train took 90 min more than the time required to travel from A to B, find the distance between A and B.

A. 420 km

B. 315 km

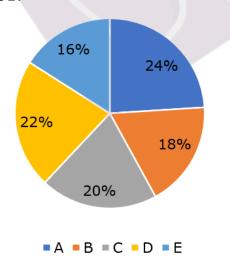
C. 135 km

D. 480 km

E. None of these

**Direction:** Study the following pie chart and answer the given questions.

The given below pie chart shows the percentage distribution of students who were present in a particular day in five schools A, B, C, D and E. Total number of students present in all five schools is 200. Also, the total number of students (present + absent) in each school is less than 51.



34. What can be the maximum number of students who were absent in school A, B and D together?

A. 22

B. 25

C. 18

D. 14

E. 23

35.If the ratio of number of present students in school C to the total number of students (present + absent) in school E is 5 : 6. If 62.5% of the total number of students of school E are boys and no boy was absent then how many girls of school E were absent.

A. 12

B. 20

C. 16

D. 15

E. 10

36.Number of students present from school C is by what percent more than the number of students present from school E?

A. 12.5%

B. 33.33%

C. 20%

D. 25%

E. None of these

37.If 6.25% of the students present in school A were nominated for a prize, find the ratio of students who were present but not nominated for prize in school A to the number of students present in school B.

A. 9:7

B. 5:4

C. 3:2

D. 7:8

E. None of these





38.In the question below are given three statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

### **Statements:**

Only a few Ram is Desk

All Desk is Large

No Sad is Room

All Sad is Large

# **Conclusions:**

- I. All Desk being Sad is Possibility
- II. No Room is Ram
- III. Some Room are not Large
- IV. All Sad being Ram is a possibility
- A. Only III
- B. Both I and IV
- C. Both II and III
- D. Only I
- E. Only IV

**Direction:** Study the following data carefully and answer the questions accordingly.

There are eight people living in a four-story building as the ground floor is numbered 1 and the top floor is numbered as 4. Each of the floors has 2 flats as flat-A and flat-B. Flat-A is to the west of flat-B. Flat-A of floor 2 is immediate above flat-A of floor 1 and immediate below flat-A of floor 3 and so on. All of them like eight different games. G likes Cricket and lives on an odd

numbered floor. A lives just below the floor in which G lives. A lives to the east of the one who likes Carom. There is one floor between the one who likes carom and H. H lives just above the one who likes Football but both live on a different flats. L likes tennis and lives below H in a same flat. P lives just above the one who likes Chess. P and the one who likes Hockey live on a same floor. P and E does not live in a same flat. C neither likes Handball nor Football. D lives below E. D and the one who likes volleyball does not live in a same flat.

- 39. Who lives in a same floor with C?
- A. The one who likes Hockey
- B. P
- C. The one who likes Tennis
- D. E
- E. None of these
- 40.Who likes Volleyball?
- A. E
- B. H
- C. P
- D. C
- E. None of these
- 41. Who lives on floor numbered as 2?
- A. The one who likes Chess
- B. The one who likes Carom
- CH
- D. The one who likes Football
- E. L





- 42. Which of the following statement is true?
- I. P likes Hockey.
- II. The one who likes Chess lives on a top floor.
- III. L and C live on a same floor
- A. Only II
- B. Both I and III
- C. Only III
- D. Both II and III
- E. All I, II and III
- 43. Who lives in a same flat with L?
- A. E
- B. D
- C. P
- D. A
- E. C

**Direction:** In the following questions, the symbols @ , #, %, \$ and & are used with the following meaning as illustrated below:

- 'A @ B' means 'A is either greater than or equal to B'.
- 'A # B' means 'A is neither greater than or smaller than B'.
- 'A \$ B' means 'A is neither greater than nor equal to B'.
- 'A % B' means 'A is neither smaller than nor equal to B'
- 'A & B' means 'A is either smaller than or equal to B'.
- 44. Statement:

A % Z # X \$ D & F @ R % T # Y @ U

Conclusion:

- I. R % U
- II. A \$ F

- A. Only I follows
- B. Only II follows
- C. Both I and II follow
- D. Either I or II follows
- E. Neither I nor II follows
- 45. Statement:

L % J \$ H # G @ T @ Y # R \$ E \$ Q Conclusion:

- I. G @ R
- II. L&T
- A. Only I follows
- B. Only II follows
- C. Both I and II follow
- D. Either I or II follows
- E. Neither I nor II follows
- 46. Statement:

D % R @ G @ T @ H; Q & S \$ E &

D; H # U # J Conclusion:

- I. Q \$ D
- II. R @ J
- A. Only I follows
- B. Only II follows
- C. Both I and II follow
- D. Either I or II follows
- E. Neither I nor II follows

47. Study the following data carefully and answer the questions accordingly.

A & B means A is the brother of B

A \* B means A is the son of B

A % B means A is the father of B

A ^ B means A is the sister of B

According to U ^ A \* M & P % B \*

L, how U is related to P?

- A. Mother
- B. Neice
- C. Nephew
- D. Daughter
- E. None of these



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# **ANSWERS**

## 1. Ans. D.

Serbia Novak Djokovic won a seventh Wimbledon men's title and 21st Grand Slam crown with a fourset triumph over Nick Kyrgios. Kyrgios gave his best to challenge the more experienced rival in his first Major final, but he could take only one set, propelling Djokovic toward the 21st Major crown.

He Wimbledon Open single title in 2011, 2014, 2015, 2018, 2019, 2021, 2022.

- 2. Ans. B.
- \* Former Niti Aayog CEO Amitabh Kant has been appointed as the new G20 Sherpa as India takes over the G20 presidency later this year. He replaces Union minister Piyush Goyal.
- \* G20 is a grouping of 19 major developed and emerging economies and the European Union. Its members account for more than 80% of global GDP, 75% of global trade, and 60% of the global population.
- \* The sherpas are in charge of carrying out negotiations and building consensus among Leaders. They are also responsible for convening working groups, and special events throughout the year.
- \* There was a need for a full-time Sherpa given that India was taking over the G20 presidency later this year

- 3. Ans. A.
- \* The IUCN releases Red List of Threatened Species
- \* The IUCN Red List of Threatened Species is the world's most comprehensive information source on the global extinction risk status of animal, fungus and plant species.
- \* Open to all, it is used by governmental bodies, non-profit rganisations, businesses and individuals.
- \* The IUCN red list provides taxonomic data, conservation status, and distribution information on species that are facing a high risk of global extinction.
- 4. Ans. C.
- \* Since 1961, international wilderness preservation organisation WWF(opens in new tab) has been recognised by an iconic logo design(opens in new tab) based on Chi Chi a Giant Panda from.
- 5. Ans. D.
- \* Germany hosted the 48th edition of G7 summit in June 2022.
- \* Prime Minister Narendra Modi attended the Group of Seven (G7) Summit at Schloss Elmau.
- \* The G7 is an informal forum of leading industrialised nations, which include Canada, France, Germany, Italy, Japan, the United Kingdom and the United States.





- 6. Ans. B.
- \* The annual ranking of the World's most liveable cities has been revealed by the Economist Intelligence Unit (EIU) and the Global Liveability Index 2022 has shown some notable changes from the Global Liveability Index for 2021.
- \* A total of 173 cities was ranked by EIU based on a range of criteria, including the availability of green space, infrastructure, crime rates, political stability, and health care.
- \* Only one Asian city, Osaka, makes the top 10 list, tying with Melbourne for 10th place.
- \* Of the 172 cities included in the rankings, many of the most livable cities can be found in Europe. However, three of the top 10 are located in Canada: Vancouver, Calgary, and Toronto.
- 7. Ans. D.
- \* India's urban population is estimated to stand at 675 million in 2035, the second highest behind China's one billion, the U.N. has said in a report, noting that after the COVID-19 pandemic, the global urban population is back on track to grow by another 2.2 billion by 2050. 8. Ans. B.
- \* Shinzo Abe was a Japanese politician who served as Prime Minister of Japan and President of the Liberal Democratic Party (LDP) from 2006 to 2007 and again from 2012 to 2020.
- \* He was the longest-serving prime minister in Japanese history.

- \* Abe also served as Chief Cabinet Secretary from 2005 to 2006 under Junichiro Koizumi and was briefly the opposition leader in 2012.
- 9. Ans. E.
- \* The anti-defection law punishes individual Members of Parliament (MPs)/MLAs for leaving one party for another.
- \* Parliament added it to the Constitution as the Tenth Schedule in 1985. Its purpose was to bring stability to governments by discouraging legislators from changing parties.
- \* The Tenth Schedule popularly known as the Anti-Defection Act was included in the Constitution via the 52nd Amendment Act, 1985.
- 10. Ans. B.
- \* The Cabinet Committee on Economic Affairs has approved extension of the Prime Minister Street Vendor's AtmaNirbhar Nidhi (PM SVANidhi) beyond March 2022 till December 2024.
- \* This has been done keeping in mind the impact of the pandemicrelated stress on small businesses.
- \* The official statement said that the scheme would focus on enhanced collateral-free affordable loan corpus, increased adoption of digital transactions and holistic socio-economic development of the Street Vendors and their families.
- 11. Ans. D.
- \* The Pradhan Mantri Matsya Sampada Yojana (PMMSY) is a flagship scheme for focused and sustainable development of





fisheries sector in the country with an estimated investment of Rs. 20,050 crores for its implementation during a period of 5 years from FY 2020-21 to FY 2024-25 in all States/Union Territories, as a part of AatmaNirbhar Bharat Package.

- \* The investment of Rs. 20,050 crores under PMMSY is the highest ever in the fisheries sector.
- \* Out of this, an investment of about Rs 12340 crores is proposed for beneficiary-oriented activities in Marine, Inland fisheries and Aquaculture and about Rs 7710 crores investment for Fisheries Infrastructure.
- \* PMMSY aims at enhancing fish production by an additional 70 lakh tonne by 2024-25, increasing export fisheries earnings Rs.1,00,000 crore by 2024-25, doubling of incomes of fishers and fish farmers, reducing post-harvest losses from 20-25% to about 10% and generation of additional 55 lakhs direct and indirect gainful employment opportunities fisheries sector and allied activities. 12. Ans. D.
- \* The Week is an Indian news magazine founded in the year 1982 and published by The Malayala Manorama Co. Ltd.
- \* The magazine is published from Kochi and is currently printed in Delhi, Mumbai, Bangalore and Kottayam. According to the Audit Bureau of Circulations, it is the

- largest circulated English news magazine in India.
- \* The magazine covers politics, entertainment, social issues, trends, technology and lifestyle.

  13. Ans. C.
- \* Reserve Bank of India (RBI) has been conducting Financial Literacy Week (FLW) every year since 2016 to propagate financial education messages on various themes among members of public across the country.
- \* The theme selected for current year FLW is "Go Digital, Go Secure" which will be observed between February 14-18, 2022. This theme is one of the strategic objectives of the National Strategy for Financial Education 2020-2025.
- \* Focus will be on creating awareness about (a) Convenience of digital transactions; (b) Security of digital transactions; and (c) Protection of customers.
- 14. Ans. B.
- \* Prime Minister Narendra Modi launched new portal NIRYAT (National Import-Export Record for Yearly Analysis of Trade) a onestop place for all info needed on India's foreign trade.
- 15. Ans. C.
- \* The National Asset Reconstruction Company Limited (NARCL) was incorporated in July 2021 as a 'bad bank' to help dispose of the stressed assets of the commercial banks.
- \* The National Asset Reconstruction Company Ltd or NARCL is the name of the asset reconstruction





company incorporated to take over and dispose of the stressed assets of commercial banks.

- \* Stressed assets of commercial banks worth Rs 2 lakh crore have been identified to be taken up in the first phase by the NARCL.
- \* NARCL will be starting with a total capital of Rs 6,000 crore.
- \* In October 2021, NARCL received the RBI's license to enable it to commence operations as a 'bad bank'.
- \* Public Sector Banks (PSBs) have a 51% ownership of NARCL.
- \* Banks will aggregate and consolidate stressed assets with NARCL for resolution.
- \* NARCL's Managing Director is PM Nair, a stressed assets expert from the State Bank of India (SBI).
- 16. Ans. A.
- \* Odisha has been adjudged the top ranked State followed by Uttar Pradesh at the 2nd spot and Andhra Pradesh at third amongst the General Category States in 'State Ranking Index for NFSA'.
- \* Among the Special Category states/UTs, Tripura stood first followed by Himachal Pradesh and Sikkim respectively.
- \* Further, among the 3 UTs where Direct Benefit Transfer (DBT)- Cash is operational, Dadra and Nagar Haveli & Daman and Diu is the top ranked UT.
- 17. Ans. D.
- \* There are a total of seven credit agencies in India viz, CRISIL, CARE, ICRA, SMREA, Brickwork Rating,

- India Rating and Research Pvt. Ltd and Infomerics Valuation and Rating Private Limited.
- \* Credit rating is a numerical representation of the creditworthiness of an individual or a business. The credit rating is a key aspect that makes or breaks a loan application. The credit rating/score acts as an indicator stating if the borrower has defaulted on loan payments before and if he/she is worth trusting with the new loan. 18. Ans. B.
- \* Non-banking companies now need ₹25 crore minimum net worth to set up Bharat Bill Payment Operating Units (BBPOU), the Reserve Bank of India (RBI) informed on May 26.
- \* The minimum net-worth criterion for non-bank firms has been lowered from the earlier minimum net worth requirement of ₹100 crore.
- \* This means that developing a payment app will be easier now, and businesses like Phonepe, Google Pay and Paytm will face increased competition.
- 19. Ans. B.
- \* Pradhan Mantri Sahaj Bijli Har Ghar Yojana –"Saubhagya" is a scheme to ensure electrification of all willing households in the country in rural as well as urban areas.
- \* For easy and accelerated implementation of the Scheme, modern technology shall be used for household survey by using Mobile App.





- \* Beneficiaries shall be identified and their application for electricity connection along with applicant photograph and identity proof shall be registered on spot.
- \* The Gram Panchayat/Public institutions in the rural areas may be authorised to collect application forms along with complete documentation, distribute bills and collect revenue in consultation with the Panchayat Raj Institutions and Urban Local Bodies.
- \* The Rural Electrification Corporation Limited (REC) will remain the nodal agency for the operationalisation of the scheme throughout the country. 20. Ans. E.
- \* Pradhan Mantri Vaya Vandana Yojana (PMVVY) is a Pension Scheme announced by the Government of India exclusively for the senior citizens aged 60 years and above which was available from 4th May, 2017 to 31st March, 2020. The scheme is now extended up to 31st March, 2023 for a further period of three years beyond 31st March, 2020.

21. Ans. E.

- \* The minimum and maximum entry age under the Arogya Sanjeevani Policy is 18 years and 65 years respectively.
- \* The policy allows the inclusion of children aged 3 months to 25 years under the family floater type.

22. Ans. D.

International Democracy Day is being observed on 15<sup>th</sup> September

to raise public awareness about the democratic system.

**Note:** This year's theme is "Democracy and the 2030 Agenda for Sustainable Development".

23. Ans. D.

Certificate of Deposit can be issued by Reserve Bank, NABARD, Exim Bank, Commercial banks, term lending institutions, Scheduled commercial banks excluding regional rural banks.

24. Ans. B.

- \* Chabahar Port is a seaport in Chabahar located in southeastern Iran, on the Gulf of Oman. It serves as Iran's only oceanic port, and consists of two separate ports named Shahid Kalantari and Shahid Beheshti, each of which has five berths
- \* Indian firm India Ports Global Limited took over the operations of the Shaheed Behesti Port at Chabahar on the southeastern coast of Iran, being jointly developed by India, Iran and Afghanistan.
- \* The company opened its office following the first meeting of the follow-up committee for implementation of the trilateral Chabahar Agreement between India, Afghanistan and Iran.
- \* "It was agreed to allow cargo movement at Chabahar using TIR Convention provisions."
- \* TIR stands for "Transports Internationaux Routiers" or 'International Road Transports.'





25. Ans. E.

- \* Ukrainian mathematician, Maryna Viazovska has been named as one of four recipients of the 2022 Fields Medal for mathematics.
- \* She is the second woman to win the Fields Medal after Maryam Mirzakhani (Iranian), who received the prize in 2014.
- \* Other winners: Frenchman Hugo Duminil-Copin, Korean-American June Huh, Britisher James Maynard \* The Fields Medal is awarded by

the International Mathematical Union (IMU).

26. Ans. A.

- \* Under the Liberalized Remittance Scheme, all resident individuals, including minors, are allowed to freely remit up to USD 2,50,000 per financial year (April March) for any permissible current or capital account transaction or a combination of both.
- \* Further, resident individuals can avail of foreign exchange facility for the purposes mentioned in Para 1 of Schedule III of FEM (CAT) Amendment Rules 2015, dated May 26, 2015, within the limit of USD 2,50,000 only.
- \* The Scheme was introduced on February 4, 2004, with a limit of USD 25,000.

# Prohibited items under the Scheme

- Purchase of lottery tickets.
- Remittances for purchase of FCCBs issued by Indian companies in the overseas secondary market.

- Remittance for trading in foreign exchange abroad.
- Remittances directly or indirectly to those individuals and entities identified as posing significant risk of committing acts of terrorism.

# Remittances can be made for following: -

- Private visits to any country
- Gift or donation
- Going abroad for employment
- Maintenance of close relatives abroad
- Travel for business,
- Medical treatment abroad
- Studies abroad

27. Ans. A.

- \* Adani Sportsline has become the principal sponsor with the Indian Olympics Association (IOA) for the upcoming games, Birmingham Commonwealth 2022, Hangzhou Asian Games 2022, and Paris Olympic 2024.
- \* This is the second time that the Adani Group has collaborated with IOA after the Tokyo Olympics.
- \* Over 28 athletes have been supported by the Adani Sportsline's athlete support initiative, #GarvHai, across a variety of sports.

28. Ans. D.

Let the first two odd numbers be (x - 1) and (x + 1).

Then, (x - 1)(x + 1) = 483

 $\Rightarrow x^2 - 1 = 483$ 

 $\Rightarrow x^2 = 484$ 

 $\Rightarrow x = 22$ 

 $\Rightarrow$  x - 1 = 21

So, the 6 numbers are 21, 23, 25, 27, 29 and 31.





Sum of numbers = 21 + 23 + 25 + 27 + 29 + 31 = 156

Required average =  $\frac{156}{6}$  = 26

29. Ans. A.

Ratio of profit shares of A, B and C =  $3200 \times 12 : 4800 \times 8 : 12800 \times 7$ 

= 3:3:7

Let the profit shares of A, B and C be 3x, 3x and 7x respectively.

Profit share of C =

$$\frac{1740}{3}$$
 × 7 = Rs. 4060

30. Ans. B.

Let the efficiency of A be 4 units/day.

Then, efficiency of B = 150% of 4 = 6 units/day

Efficiency of C = 125% of 4 = 5 units/day

50% of work = 6(4 + 6) = 60 units Total work = 120 units

75% of work = 75% of 120 = 90 units

Time required by A and C together to complete 90 units =  $\frac{90}{4+5}$  = 10 days

31. Ans. B.

Let the speed of boat in still water and the speed of stream be m km/h and n km/h respectively.

$$\frac{X}{m-n} = \frac{44}{60} \dots (1)$$

Also, 
$$\frac{2X}{m+n} = \frac{66}{60}$$
....(2)

Dividing (1) by (2) we get:

$$\frac{m+n}{2(m-n)} = \frac{2}{3}$$

3m + 3n = 4m - 4nm = 7n

Speed of boat in still water is 700% of the speed of stream. So, speed of boat in still water is 600% percentage more than the speed of stream.

32. Ans. C.

Let the age of mother 4 years ago be 6x years.

Then the age of daughter 4 years ago = x years

According to question,

$$\frac{6x + 12}{x + 12} = \frac{8}{3}$$

$$\Rightarrow$$
 18x + 36 = 8x + 96

$$\Rightarrow$$
 10x = 60

$$\Rightarrow x = 6$$

Mother's age 2 years ago =  $6 \times 6 + 2 = 38$  years

Present age of daughter = 6 + 4 = 10 years

Required ratio = 38 : 10 = 19 : 5 33. Ans. B.

Let the distance between A and B be X km.

$$\frac{X}{45} = \frac{180}{30} + \frac{X - 180}{54} - \frac{90}{60}$$

$$\Rightarrow \frac{X}{45} - \frac{X - 180}{54} = 4.5$$

$$\Rightarrow \frac{6X - 5X + 900}{270} = 4.5$$

 $\Rightarrow$  X = 270 × 4.5 - 900 = 315 34. Ans. A.

Maximum possible number of students in any school = 50

Number of students who were absent in school A, B and D together = (24 + 18 + 22)% of 200 = 64% of 200 = 128



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maximum number of students who were absent in school A, B and D together = 150 - 128 = 22 35. Ans. C.

Let number of present students in school C be 5x.

So, number of students (present + absent) in school E = 6x

$$5x = 40$$

$$\Rightarrow x = 8$$

$$\Rightarrow$$
 6x = 48

$$62.5\% = 5/8$$

Number of boys in school E =  $\frac{5}{8} \times 48 = 30$ 

Number of girls in school E = 48 - 30 = 18

Number of girls in school E who were present = 32 - 30 = 2Number of girls in school E who

Number of girls in school E whwere absent = 18 - 2 = 16 36. Ans. D.

Required percentage =

$$\frac{20 - 16}{16} \times 100 = 25\%$$

37. Ans. B.

$$6.25\% = \frac{1}{16}$$

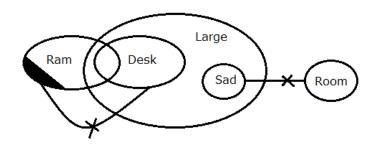
Number of students nominated for a prize in school A =

$$\frac{1}{16} \times \frac{24}{100} \times 200 = 3$$

Number of students who were present but not nominated for prize in school A = 48 - 3

= 45

Number of students present in school B = 18% of 200 = 36Required ratio = 45:36=5:4 38. Ans. B.



39. Ans. C.

Floor	Α	В
4	H - Volleyball	E – Handball
3	G - Cricket	D – Football
2	P - Carom	A - Hockey
1	L - Tennis	C - Chess

40. Ans. B.

Floor	Α	В
4	H - Volleyball	E – Handball
3	G - Cricket	D – Football
2	P - Carom	A - Hockey
1	L - Tennis	C - Chess

## 41. Ans. B.

Floor	Α	В
4	H - Volleyball	E – Handball
3	G - Cricket	D – Football
2	P - Carom	A - Hockey
1	L - Tennis	C - Chess





# 42. Ans. C.

Floor	Α	В
4	H - Volleyball	E – Handball
3	G - Cricket	D – Football
2	P - Carom	A - Hockey
1	L - Tennis	C - Chess

# 43. Ans. C.

Floor	Α	В
4	H - Volleyball	E – Handball
3	G - Cricket	D – Football
2	P - Carom	A - Hockey
1	L - Tennis	C - Chess

44. Ans. A.

 $A > Z = X < D \le F \ge R > T = Y \ge U$  45. Ans. A.

Statement:

L % J \$ H # G @ T @ Y # R \$ E \$ Q Conclusion:

I. G @ R - follows

II. L & T - Does not follow

46. Ans. C.

Statement:

D % R @ G @ T @ H; Q & S \$ E &

D; H # U # J

Conclusion:

I. Q \$ D - follows

II. R @ J - follows

47. Ans. B.

