

**Question 1**

Consider the following statements regarding the 15th Global Innovation Index 2022:

- I. The Global Innovation Index is released by the World Trade Organisation.
- II. Japan secured second rank in the index in 2022.
- III. India ranked 46th in 2015 and 40th in the index in 2022.

Which of the statements given above is/are correct?

- (1) Only I
  - (2) Only II
  - (3) Only III
  - (4) All I, II and III
  - (5) None
- 

**Question 2**

‘NavIC’ is an indigenous independent standalone navigation satellite system developed by the Indian Space Research Organisation (ISRO). What does ‘C’ represents in ‘NavIC’?

- (1) Capability
  - (2) Constellation
  - (3) Contender
  - (4) Carrier
  - (5) Coordination
- 

**Question 3**

The Monetary Policy Committee (MPC) in its meeting in December 2022, increased the policy repo rate by \_\_\_\_\_ to 6.25 percent with immediate effect.

- (1) 30 basis points (bps)
  - (2) 25 basis points (bps)
  - (3) 35 basis points (bps)
  - (4) 45 basis points (bps)
  - (5) 50 basis points (bps)
- 

**Question 4**

Which of the following group of people has received the Nobel Prize in Chemistry for the year 2022?

- (1) Carolyn R. Bertozzi, Morten Meldal and K. Barry Sharpless
  - (2) Alain Aspect, John Clauser and Anton Zeilinger
  - (3) Ben S. Bernanke, Douglas W. Diamond and Philip H. Dybvig
  - (4) Benjamin List and David MacMillan
  - (5) Syukuro Manabe and Klaus Hasselmann
- 

### Question 5

In September 2022, the ministry of Commerce and Industry (MoCI) has extended the existing Foreign Trade Policy (2015-20) till \_\_\_\_\_ .

- (1) December 2023
  - (2) January 2023
  - (3) March 2023
  - (4) June 2023
  - (5) October 2023
- 

### Question 6

India achieved its ambitious target of crossing \_\_\_\_\_ merchandise exports in the financial year 2021-22.

- (1) \$350 billion
  - (2) \$400 billion
  - (3) \$450 billion
  - (4) \$475 billion
  - (5) \$500 billion
- 

### Question 7

In what ratio the monthly contribution shall be made by the subscriber and central government under the Pradhan Mantri Shram Yogi Maan-Dhan Yojana (PMSYM)?

- (1) 20 : 80
  - (2) 30 : 70
  - (3) 40 : 60
  - (4) 50 : 50
  - (5) 25 : 75
- 

### Question 8

Name the Russian leader who was regarded as an architect and in Russia and played a key role in the Global Peace Process passed away in August 2022?

- (1) Boutros Boutros-Ghali
  - (2) Mikhail Gorbachev
  - (3) Dmitry Medvedev
  - (4) Boris Yeltsin
  - (5) Georgy Malenkov
- 

#### Question 9

Sberbank is a bank of which of the following countries?

- (1) Germany
  - (2) France
  - (3) Russia
  - (4) Ukraine
  - (5) China
- 

#### Question 10

Holcim Ltd is a company based in which of the following countries whose stakes in Indian cement manufacturer Ambuja Cement is set to be acquired by the Adani Group?

- (1) Russia
  - (2) Japan
  - (3) France
  - (4) Switzerland
  - (5) Belgium
- 

#### Question 11

Which of the following countries is the largest cement producer in the world?

- (1) India
  - (2) China
  - (3) USA
  - (4) Russia
  - (5) France
- 

#### Question 12

The Reserve Bank of India has issued new guidelines regarding the Provisioning for Standard Assets by NBFCs-Upper Layer, which of the following comes under the Base layer NBFCs?

- I. Account Aggregator
- II. Peer to Peer
- III. Housing Finance
- IV. Non-Deposit taking NBFCs with assets size of less than 1000 crore

- (1) Only I and II
  - (2) Only II and III
  - (3) Only I, II and III
  - (4) Only I, II and IV
  - (5) All I, II, III and IV
- 

### Question 13

Recently, the Central Bank of India has been removed from Prompt Corrective Action (PCA) framework. Which of the following are the parameters in the PCA framework?

- I. Leverage
- II. Capital
- III. Asset Quality
- IV. Customer Service

- (1) Only I, II and III
  - (2) Only I, II and IV
  - (3) Only II, III and IV
  - (4) Only II and IV
  - (5) All I, II, III and IV
- 

### Question 14

According to the IIFL Wealth Hurun India Rich List 2022, who has become India's self-made richest women?

- (1) Kiran Majumdar Shaw
  - (2) Falguni Nayar
  - (3) Savitri Jindal
  - (4) Rekha Jhunjhunwala
  - (5) Rohiqa Cyrus Mistry
- 

### Question 15

Kumbhalgarh, the Great Wall of India is located in which of the following states?

- (1) Gujarat
  - (2) Haryana
  - (3) Rajasthan
  - (4) Maharashtra
  - (5) Madhya Pradesh
- 

### Question 16

In which year Cheetah was declared extinct from India?

- (1) 1948
  - (2) 1952
  - (3) 1955
  - (4) 1965
  - (5) 1978
- 

### Question 17

According to the 28th edition of the Status Report on India's External Debt 2021-22 released by the External Debt Management Unit (EDMU) in the Department of economic Affairs, Ministry of Finance, at end-March 2022, sovereign external debt (SED) amounted to US\$ 130.7 billion, increasing by 17.1 per cent over the level a year ago, reflecting the additional allocation of SDRs by the \_\_\_\_\_ .

- (1) World Economic Forum
  - (2) International Monetary Fund
  - (3) World Bank
  - (4) World Trade Organisation
  - (5) None of the above
- 

### Question 18

Ales Bialiatski belong to which country who along with the Russian Human Rights Organization 'Memorial' and the Ukrainian Human Rights Organization 'Center for Civil Liberties' has won the Nobel Peace Prize 2022?

- (1) Poland
  - (2) Ukraine
  - (3) Russia
  - (4) Belarus
  - (5) Germany
-

### Question 19

How many scheduled commercial banks are presently listed in the National Stock Exchange?

- (1) 8
  - (2) 10
  - (3) 13
  - (4) 15
  - (5) 22
- 

### Question 20

Which of the following companies is the sponsor of the Indian Super League 2022-23?

- (1) Hero
  - (2) Adani Group
  - (3) Zomato
  - (4) Byju's
  - (5) Nykaa
- 

### Question 21

What is the name of the cyclone that affected some parts of Florida in US?

- (1) Nanmadol
  - (2) Megi
  - (3) Danielle
  - (4) Ian
  - (5) None of the above
- 

### Question 22

The Credit Information Companies should appoint Internal Ombudsman by \_\_\_\_\_ .

- (1) April 1, 2023
  - (2) June 1, 2023
  - (3) August 1, 2023
  - (4) October 1, 2023
  - (5) January 1, 2024
- 

### Question 23

Which of the following categories of banks/financial institution not included in the Integrated Banking Ombudsman Scheme?

- (1) Rural co-operative banks (RCBs)
  - (2) Primary Urban Co-operative Banks
  - (3) Commercial banks
  - (4) Non-Banking Financial Companies (NBFCs)
  - (5) Credit Information Companies
- 

#### Question 24

Name the Indian Naval Ship (INS) submarine that was recently (In July 2022) decommissioned by the Indian Navy after serving for 35 years in Vishakhapatnam.

- (1) INS *Sindudhvaj*
  - (2) INS *Shalki*
  - (3) INS *Arihant*
  - (4) INS *Karanj*
  - (5) INS *Kalvari*
- 

#### Question 25

When the National Flag of India was adopted by the Constituent Assembly?

- (1) 22 July 1947
  - (2) 15 August 1947
  - (3) 26 November 1949
  - (4) 26 January 1950
  - (5) 8 August 1946
- 

#### Question 26

Phone calls pretending to be from bank/telecom service providers in order to lure customers into sharing confidential details in the pretext of KYC update, what is the name of Fraud?

- (1) Vishing
  - (2) Phishing
  - (3) Smishing
  - (4) Pharming
  - (5) Malvertising
- 

#### Question 27

In PM CARES Fund apart from Rajiv Mehrishi, Anand Shah who else other had been appointed as the member of Advisory Board?

- (1) Krishnan Gopalan
  - (2) Sudha Murthy
  - (3) Kangana Ranaut
  - (4) Aruna Jayanti
  - (5) Kiran Bedi
- 

### Question 28

According to the 'The Global Liveability Index 2022', which Indian city is listed as most liveable city in India?

- (1) Bangalore
  - (2) Mumbai
  - (3) Indore
  - (4) Kashi
  - (5) New Delhi
- 

### Question 29

RBI released an update on measuring productivity at Industry Level-the India KLEMS database. What does K stand for?

- (1) Thousand
  - (2) Tax
  - (3) Capital
  - (4) Interest rate
  - (5) Cash
- 

### Question 30

Eliud Kipchoge won Olympic Marathon twice in \_\_\_\_\_ and 2020 Summer Olympic?

- (1) 2000
  - (2) 2004
  - (3) 2008
  - (4) 2012
  - (5) 2016
- 

### Question 31

RBI lifted restrictions on which financial institution for recovery operations via third party collection agents?

- (1) Mahindra & Mahindra Financial Services Limited
  - (2) State Bank of India
  - (3) Bajaj Finance Limited
  - (4) L&T Finance Limited
  - (5) HDFC Bank
- 

### Question 32

Which of the following are included in National Logistics Policy?

- (1) Railway
  - (2) Airport
  - (3) Warehouse
  - (4) Road
  - (5) All of the above
- 

### Question 33

The windfall tax applied to which of the following?

- (1) Textile sector
  - (2) Oil companies
  - (3) Tourism sector
  - (4) Cosmetic companies
  - (5) Agriculture products
- 

### Question 34

Under which grant GoI has given Rs. 1.64 Lakh crore to BSNL to make BSNL financially viable?

- (1) Sovereign Guarantee
  - (2) Bid Bond Guarantee
  - (3) Advance Payment Guarantee
  - (4) Foreign Advance Payment Guarantee
  - (5) None of these
- 

### Question 35

Meghalaya Ranked best in Category B in the Ranking of states on support to start up ecosystem 2021 released by which Ministry in July 2022?

- (1) Ministry of Textiles

- (2) Ministry of Finance
  - (3) Ministry of MSME
  - (4) Ministry of Commerce
  - (5) Ministry of Corporate Affairs
- 

### Question 36

Which state topped in overall National Level ranking of cities with population in above 10 Lakh in Swachh Survekshan 2022?

- (1) Uttar Pradesh
  - (2) Gujarat
  - (3) Maharashtra
  - (4) Tamil Nadu
  - (5) Madhya Pradesh
- 

### Question 37

Which bank is the sponsor of NARCL?

- (1) Canara Bank
  - (2) ICICI Bank
  - (3) HDFC Bank
  - (4) Axis Bank
  - (5) Punjab National Bank
- 

### Question 38

Which organisation & SIDBI launched 1bn USD against loan default for 2/3 EV vehicles?

- (1) International Monetary Fund
  - (2) World Bank
  - (3) UNSC
  - (4) Swiss Bank
  - (5) RBI
- 

### Question 39

Inflation expected survey of households of September 2022, RBI was conducted in how many major cities?

- (1) 13
- (2) 15

- (3) 18
  - (4) 20
  - (5) 23
- 

#### Question 40

R. Gandhi has been appointed as the non-executive chairman of YES Bank for how many years?

- (1) 2
  - (2) 3
  - (3) 4
  - (4) 5
  - (5) 6
- 

#### Question 41

To generate e-invoice in B2B, how much turnover is required?

- (1) 2.5 Cr
  - (2) 5 Cr
  - (3) 10 Cr
  - (4) 25 Cr
  - (5) 50 Cr
- 

#### Question 42

Russian woman Anna Kikina, travelled from a SpaceX flight along with 2 astronauts to ISS, at what altitude it orbits the Earth?

- (1) 402 Km
  - (2) 415 Km
  - (3) 417 Km
  - (4) 425 Km
  - (5) 444 Km
- 

#### Question 43

Which of the following is supposed to host the 2026 Commonwealth Games?

- (1) Canberra
- (2) Sydney
- (3) Victoria

- (4) Perth
  - (5) Melbourne
- 

#### Question 44

According to the 2022 edition of the UN's World Population Prospects (WPP), India is projected to surpass China as the world's most populous country in \_\_\_\_\_ year.

- (1) 2036
  - (2) 2047
  - (3) 2023
  - (4) 2064
  - (5) 2070
- 

#### Question 45

When was the International Day of the Girl Child 2022 observed across the globe?

- (1) 2nd October
  - (2) 11th October
  - (3) 14th November
  - (4) 30th January
  - (5) 10th March
- 

#### Question 46

Zero MDR (Merchant Discount Rate) apply for Rupay Credit card upto \_\_\_\_\_ on UPI?

- (1) Rs. 1500
  - (2) Rs. 2000
  - (3) Rs. 2500
  - (4) Rs. 3500
  - (5) Rs. 5000
- 

#### Question 47

Who launched the 'Education 4.0 India' initiative in partnership with the United Nations Children's Fund (UNICEF) and YuWaah (Generation Unlimited India)?

- (1) International Monetary Fund
- (2) Reserve Bank India
- (3) Securities and Exchange Board of India

- (4) World Economic Forum
  - (5) World Health Organisation
- 

#### Question 48

The Government of India (GoI), \_\_\_\_\_ and the Small Industries Development Bank of India (SIDBI) collaborated to launch a USD 1 billion fund to provide guarantees against defaults on loans taken to buy electric 2-wheelers and 3-wheelers.

- (1) International Monetary Fund
  - (2) European Investment Bank
  - (3) Bank of America
  - (4) World Bank
  - (5) Multilateral Investment Guarantee Agency
- 

#### Question 49

Under the Credit Guarantee Scheme for Startups (CGSS) the guarantee cover obtained by single eligible borrower is \_\_\_\_\_ for the amount in default if the original loan sanction amount is above Rs. 3 crore, and up to Rs. 5 crore.

- (1) 25%
  - (2) 35%
  - (3) 50%
  - (4) 70%
  - (5) 75%
- 

#### Question 50

The Prime Minister's Employment Generation Programme (PMEGP) was extended for continuation till the financial year (FY) 2025-26. The Maximum project cost for manufacturing units is increased to?

- (1) 50 lakhs
  - (2) 75 lakhs
  - (3) 1 crore
  - (4) 1.50 crore
  - (5) 2 crore
-

*In the question given below, a sentence is divided into five parts. There is/are error(s) in one or more parts of the sentence. Find out the part(s) with error(s) and choose the option accordingly.*

**Question 51**

Apart from developing resilience, policies should (A)/ focus on provide alternative livelihood (B)/ opportunities and socially protection programmes (C)/ to help affected communities cope (D)/ with the impacts of climate change(E).

- (1) Both B and D
- (2) Both A and D
- (3) Both B and C
- (4) Both B and E
- (5) No error

**Question 52**

With retail inflation showing signs of easing in recent months (A)/ and private consumption spending data showing a (B)/ distinct lack of vigour as a result of the inflationary erosion (C)/ in consumptive capacity, policymakers must (D)/ reassess its stand on fuel prices(E).

- (1) Both B and D
- (2) Both A and D
- (3) Both A and C
- (4) Only E
- (5) No error

**Question 53**

If you had believing the photo to be real, you (A)/ might also have believed that the wrestlers (B)/ had orchestrated a clash with (C)/the police and that they want to (D)/ be photographed while being roughed up (E).

- (1) Both B and D
- (2) Both A and D
- (3) Both A and C
- (4) Both B and E
- (5) No error

*In each of the following sentences, there is a blank space. Below each sentence there are four words given. Choose the most appropriate word(s) that must fill the blank and make the sentence grammatically correct and contextually meaningful. If none of the given words fill the blank correctly choose option 5, i.e., 'None of these' as your answer.*

#### **Question 54**

RBI Governor raised red flags over banks adopting \_\_\_\_\_ methods for evergreening of loans, covering up the real status of stressed loans of corporates, to project an artificial clean image in cahoots with corporates.

- (A) tremulous
- (B) innovative
- (C) ingenious
- (D) exhaustive

- (1) Only (A)
- (2) Only (B)
- (3) Only (C) and (D)
- (4) Only (B) and (C)
- (5) None of these

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#### **Question 55**

The research confirmed that polar cyclones are present on every body in our solar system with a \_\_\_\_\_ atmosphere – all the planets but Mercury and Saturn's moon Titan.

- (A) pericranial
- (B) referential
- (C) purgatorial
- (D) substantial

- (1) Only (A)
  - (2) Only (D)
  - (3) Only (C) and (D)
  - (4) Only (B) and (C)
  - (5) None of these
-

### Question 56

U.S. \_\_\_\_\_ with China enhances India's geopolitical value, something the present ruling dispensation is revelling in.

- (A) discretion
- (B) abasement
- (C) estrangement
- (D) alienation

- (1) Only (A)
  - (2) Only (B)
  - (3) Only (C) and (D)
  - (4) Only (B) and (C)
  - (5) None of these
- 

### Question 57

The memory chip maker \_\_\_\_\_ some amount of disruption from China as result of the ongoing trade manoeuvres.

- (A) perforated
- (B) anticipated
- (C) envisioned
- (D) restricted

- (1) Only (A)
  - (2) Only (B)
  - (3) Only (C) and (D)
  - (4) Only (B) and (C)
  - (5) None of these
- 

*In the following passage against each number, four words are suggested in bold which may or may not fit into the sentence contextually. These numbers are printed below the passage and against each, five options are given. Find out the most appropriate alternative reflecting the word which doesn't fit into the blank appropriately and thus fails to give a contextual meaning to the paragraph. If no such error is there, mark option 5, i.e. "No replacement required" as your answer.*

(A) **Building** something even near the scale of what OpenAI, Microsoft or Google have on offer would **require** an eye-watering **investment** on state-of-the-art chips and **sacking** prizewinning researchers. (B) People don't **realize** that to do a **abradant**

amount of AI things like ChatGPT takes huge amounts of processing power and training those models can cost tens of millions of dollars, and with the **advent** of generative AI, this dependency on cloud computing and tech giants **deepens**, leaving the same players in the driver's seat. (C) Sigg **compares** cloud costs to electricity bills and says companies that don't know **better** are in for "a big surprise" if they let their engineers **run into** bills in the mad rush to build tech, **including** AI. (D) Microsoft's signature cloud offer is Azure and some observers **believe** the giant's all-in bet on AI is really about **protecting** Azure's **success** and **intruding** the cash cow's future. (E) Azure has been the giant's unsexy breadwinner for years, **bringing in** huge **profits** but without **repelling** the headlines of an iPhone or social media that go straight to the **consumer**. (F) After training, a company will be able to **get** their model back for real AI application and the **convenience** on the cloud **giants** will hopefully be **reduced**.

### Question 58

Out of the following which word given in (A) needs to be replaced?

- (1) building
  - (2) require
  - (3) investment
  - (4) sacking
  - (5) No replacement required
- 

### Question 59

Out of the following which word given in (B) needs to be replaced?

- (1) realize
  - (2) abradant
  - (3) advent
  - (4) deepens
  - (5) No replacement required
- 

### Question 60

Out of the following which word given in (C) needs to be replaced?

- (1) compares
  - (2) better
  - (3) run into
  - (4) including
  - (5) No replacement required
- 

### Question 61

Out of the following which word given in (D) needs to be replaced?

- (1) believe
  - (2) protecting
  - (3) success
  - (4) intruding
  - (5) No replacement required
- 

### Question 62

Out of the following which word given in (E) needs to be replaced?

- (1) bringing
  - (2) profits
  - (3) repelling
  - (4) consumer
  - (5) No replacement required
- 

### Question 63

Out of the following which word given in (F) needs to be replaced?

- (1) get
  - (2) convenience
  - (3) giants
  - (4) reduced
  - (5) No replacement required
- 

*In each of the questions given below, two sentences with three words highlighted have been given. These words may or may not be at their correct places. You are required to read the given sentences carefully and choose the appropriate options as the answers.*

### Question 64

- I. The Reserve Bank of India has allowed the exchange of Rs. 2,000 banknotes into smaller **exchanging** (A) up to Rs. 20,000 per transaction, but any attempt to **launder** (B) large sums in the **garb** (C) of exchange can easily be tracked, and such bank branches would have to explain it.
- II. Banks and tax authorities are now **equipped** (D) with data **analytics** (E) and artificial intelligence. Hence, **denominations** (F) the bulk of unaccounted cash without being caught, is very difficult.

- (1) B-D
- (2) A-F, B-D

- (3) C-D
  - (4) Only A-F
  - (5) Only B-D
- 

### Question 65

- I. He further **proposed (A)** that the government has **implemented (B)** measures to prevent any **strive (C)** attempt to alter the existing situation in the border regions.
- II. He expressed the view that both countries must **unilateral (D)** to establish a balanced relationship, but it cannot be **attained (E)** solely based on the conditions **emphasized (F)** by the opposing party.

- (1) Both B-E and C-D
  - (2) Only A-F
  - (3) Both A-E and B-D
  - (4) Both A-F and C-D
  - (5) Only C-F
- 

### Question 66

- I. Green entrepreneurship aims to create and **implement (A)** solutions to environmental problems and **analyse (B)** social change so that the environment is not **harmed (C)**.
- II. It is crucial to **promote (D)** the relationship between green **entrepreneurship (E)** education and students' interest in **implementing (F)** such ideas.

- (1) Both B-E and C-D
  - (2) Only B-D
  - (3) Both A-E and B-D
  - (4) Both A-F and C-D
  - (5) Only C-F
- 

### Question 67

- I. The Association **invested (A)** in an automatic boom barrier that scans vehicle stickers **prone (B)** to residents before **gated (C)** them in.
- II. In most **allowing (D)** communities, the parking area near the lift is the one **issued (E)** heavily to violations as it is a **convenient (F)** space to park a vehicle.

- (1) Both B-E and C-D
- (2) Only A-F
- (3) Both A-E and B-D
- (4) Both A-F and C-D
- (5) Only C-F

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*In each of the following questions, four sentences are given. Choose the sentence that is grammatically and/or contextually incorrect. If all the sentences are correct, mark 'All are correct' as your answer.*

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### Question 68

- (1) Local authorities have shut schools and offices and banned rallies for a week to prevent more violence.
- (2) The platform will bring immense efficiency in the lending process in terms of reduction of costs, quicker disbursement and scalability.
- (3) The Reserve Bank on Thursday launched a centralised web portal UD GAM to help people search and claim unclaim deposits.
- (4) However, the Union Government is not providing the states with any extra funds to deploy these drones.
- (5) All are correct.

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### Question 69

- (1) The administration issued a rebuttal, saying none of the resignations tendered by the faculty members mentioned the issues highlighted in the memorandum.
- (2) While mass protests took place across the region, protestors in some places raised black flags at Krishi Bhavans.
- (3) While brainstorming for new dishes, the 37-year-old chef sits with his team and asks everyone to list their least favourite vegetable.
- (4) The government has forgotten about sexual offences perpetuated by men on men or women on women.
- (5) All are correct.

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### Question 70

- (1) The surging retail costs of fruit could intensify food inflation, posing a significant challenge to both consumers as well as the economy.
- (2) Their performance has not always been outstanding, but they serve other purposes too.

- (3) The government's attitude towards the premier award for young scientists does great disservice to the Prime Minister's vision.
  - (4) Unfortunately, the once globally recognised intellectual and cultural activity of reading is fast becoming non-existent in the country.
  - (5) All are correct.
- 

### Question 71

- (1) Besides routinely discarding procedures, bulldozer governance is deeply associated with cynicism about all forms of accountability.
  - (2) Stereotypes influence our thoughts and actions towards others, leading to discrimination and exclusion.
  - (3) The Information and Broadcasting minister has asserted that piracy is like cancer and this legislation will uproot it.
  - (4) The Kohinoor bears testimony with the rampant loot and pillage that marked British rule in India.
  - (5) All are correct.
- 

### Question 72

- (1) Educational institutions would be failing in their duty if they do not take cognisance of these worrisome developments.
  - (2) The whole episode exposed how shallow is the opposition in every aspect.
  - (3) When you are discouraged, make a little positive effort and your attitude will remarkably improve.
  - (4) Efforts to curb ragging require regulation, persuasion and the support of students.
  - (5) All are correct.
- 

*Read the given passage carefully and answer the questions that follow.*

Several authors, seers and leaders of freedom movements in India drew inspiration from our own tradition. They sought to build an India that would be rooted in our own social, cultural and political history. People of India, in their heart of hearts, welcomed it as the foundation of our battle against the ruling ideas enforced by the colonial masters.

Let us start with the great author Bankim Chandra Chattopadhyay who, despite his keen interest in Western ideas, took resort to a kind of Hindu revivalism in the novel, *Ananda Math*, especially in the song 'Bande Mataram' to promote an anticolonial mind-set. The song and the novel inspired the revolutionaries in Bengal. It raised the nationalist spirit in other parts of the country as well.

The song worships our country as our mother. This was not a religious prayer. (A) **Whatever objections have been raised against it, no one would have dispute the fact that the song by glorifying our motherland remained the key motivational spirit of all those who fought against colonial domination in India.**

Those who find it objectionable that the song and the novel spread Hindu nationalism as the spirit of our anti-colonial battle, should not forget that no less a personality than Sri Aurobindo constructed his nationalist narrative on the basis of it.

At the time of the Partition of Bengal, Aurobindo anonymously wrote a political pamphlet titled 'Bhawani Mandir' where he spelt out his idea of the nation. He said that the nation "is not a piece of earth nor a figure of speech....It is a mighty Shakti, composed of the Shaktis of all the millions that make up the nation, just as Bhawani Mahisha Mardini sprang up into being from all the millions of gods assembled in one mass of force and welded into unity."

Thus, to arouse interest in our heritage both Bankim and Aurobindo unhesitatingly took recourse to Hindu symbols. With this they sought to launch a united resistance to the colonial mind-set. The stage was also set elsewhere.

An effort to drive countrymen to focus on Indigenous icons was already under way. It too helped develop the nationalist spirit in India. Bal Gangadhar Tilak used Ganapati Utsab and Shivaji festival with this purpose in view. This was our India.

There were leaders of freedom movement who never shied away from our tradition of spiritualism. Decolonisation in India grew out of this perception.

Looking back to what we had traditionally, it is evident that our India has always been inextricably bound up with our religious background.

Sometimes, we find efforts to spread hatred toward that religious background condemning it as responsible for the birth of caste divisions in our society.

This view is often held with partisan motives. There are scholars who do not subscribe to this view.

Nevertheless, following the colonial masters' perspective, our scriptures and certain ancient texts are put in the dock by many for the curse of caste divisions.

It is interesting to note that even the Western scholars did not always pursue the colonial objective of dishonouring India by distorting its past developments. Let us hear from a few such scholars.

The word caste is derived from the Portuguese term 'Casta' which means race, lineage and breed. In Indian languages it is often translated to 'varna' and 'jati'. A L Basham in his famous 'Wonder that was India' says that ancient Indian literature mentions 'Varnas', but it has hardly any reference to 'Jatis' as a system of groups within the 'Varnas'.

Finally, he concludes, "if caste is defined as a system of groups within the class...we have no real evidence of its existence until comparatively later times." Quite illuminating is the observation of Professor Susan Bayly of the Cambridge University's Division of Social Anthropology.

She exposed the British Raj's plan of dividing our society by sponsoring caste. As late as 2001, Bayly said that the caste system, 'as it existed today', came into being as a result of developments during the collapse of the Mughal era and the rise of the British Colonial government. The British made rigid caste organisation a central mechanism of their administration in India.

Thus, the statement that caste divisions were inflicted on society in India in the ancient period is too sweeping to be accepted. It is also not acceptable that ancient Indian texts instructed people to develop rigid caste divisions on the basis of birth.

Hindu revivalism was a strong counter to the colonial plan of inciting division since it emphasised the fundamental unity of our society despite its diversities.

Freedom fighters in general and the revolutionaries in particular were influenced by it. So much so that Aurobindo in 1909, in his famous Uttarpara speech, said, "This Hindu nation was born with the Sanatana Dharma, with it it moves [and] with it it grows." He added that Sanatana Dharma was nationalism.

Those who are out to destroy Sanatana Dharma are better advised to study how it impacted our freedom struggle. It never indulged in any kind of exclusionist attitude. Apart from Joseph Baptista who was closely associated with Lokamanya Tilak and the Home Rule movement, there were non-Hindus like Madame Bhikaji Kama and Ashfaqullah Khan who fought for India's freedom hand in hand with Hindu leaders.

This India with the pride in its ancient systems and religious background will survive. No force on earth would be able to destroy it. Our India will win its battle against their India.

### Question 73

According to the passage, who authored the novel "Ananda Math" and the song "Bande Mataram" to promote an anticolonial mindset?

- (1) Bal Gangadhar Tilak
- (2) Sri Aurobindo
- (3) Joseph Baptista
- (4) Bankim Chandra Chattopadhyay
- (5) None of these

---

### Question 74

What was the central idea of Sri Aurobindo's nationalist narrative, as mentioned in the passage?

- (1) The importance of Western ideas in India's freedom struggle
  - (2) The division of society based on caste
  - (3) The concept of India as a "mighty Shakti" composed of the power of all its people
  - (4) The promotion of colonial rule in India
  - (5) None of these
-

### Question 75

What can be a suitable title for the given passage?

- (1) The Influence of Tradition in India's Freedom Struggle
  - (2) Hindu Revivalism and its Impact on Colonial India
  - (3) Bal Gangadhar Tilak's Cultural Strategy for Freedom
  - (4) The Unity and Diversity of Indian Nationalism
  - (5) None of these
- 

### Question 76

What is the tone of the author in the passage?

- (1) Analytical
  - (2) Informative
  - (3) Persuasive
  - (4) Critical
  - (5) Neutral
- 

### Question 77

What does the passage suggest about the impact of Hindu revivalism on India's freedom struggle?

- (1) It promoted exclusionist attitudes within society.
  - (2) It had no influence on the freedom struggle.
  - (3) It emphasized the unity of Indian society despite its diversities.
  - (4) It supported the colonial plan to divide society.
  - (5) None of these
- 

### Question 78

The sentence at (A) may be erroneous grammatically or contextually. Identify the error in the sentence and choose the respective option. If there is no error, choose option (5).

- (1) Whatever objections have been raised against it,
  - (2) no one would have dispute the fact that the song
  - (3) by glorifying our motherland remained the key motivational
  - (4) spirit of all those who fought against colonial domination in India.
  - (5) No Error
-

### Question 79

What does Sri Aurobindo refer to as “nationalism” in his Uttarpara speech, as mentioned in the passage?

- (1) Western ideology
  - (2) The division of society based on caste
  - (3) Sanatana Dharma
  - (4) Colonial rule
  - (5) None of these
- 

*The following questions consist of a sentence. Four words in the sentence are marked in bold which may or may not be correctly spelt. Option corresponding to misspelt word is your answer. If there is no misspelt word in a sentence then choose option 5, i.e., ‘All are correct’ as your answer.*

### Question 80

Regulators could also enhance **credibility** in India as an investment destination by **tightning** not just the listing requirements but more crucially the **enforcement** actions in case of **egregious** breaches of the laws.

- (1) credibility
  - (2) tightning
  - (3) enforcement
  - (4) egregious
  - (5) All are correct
- 

### Question 81

The government has been **struggling** in recent years to formulate an appropriate regulatory response to deal with the pandemic-era **upsurge** in advertisements **soliciting** investment in virtual assets as well as reports of actual **investment**.

- (1) struggling
  - (2) upsurge
  - (3) soliciting
  - (4) investment
  - (5) All are correct
- 

### Question 82

DRE-powered **technologies** provide an additional advantage to women farmers and **microentrepreneurs** by enhancing income **opportunities** through **mechanizaton**.

- (1) technologies
- (2) microentrepreneurs
- (3) opportunities
- (4) mechanization
- (5) All are correct

---

*Read the given passage carefully and answer the questions that follow.*

The message from the Prime Minister for this year's Gandhi Jayanti was to blend fitness and well-being with cleanliness. Sharing a video on X, in which he was seen taking part in 'one hour shramdaan for swachhata,' he said, "Today, as the nation focuses on swachhata, Ankit Baiyanpuriya (a fitness influencer) and I did the same! Beyond just cleanliness, we blended fitness and well-being also into the mix. It's all about that Swachh and Swasth Bharat vibe!" Earlier, in the 105th episode of 'Mann Ki Baat,' he had requested countrymen to take part in the cleanliness drive to pay a tribute – swachhanjali to the father of the nation. But should a swachhanjali to Gandhiji involve only cleanliness and good health?

It is true that to Gandhiji, cleanliness was never divorced from well-being and physical fitness. Pointing out how cleanliness can act as an antidote to plague, Gandhiji said that the eradication of plague from the country would produce fit citizens thereby enhancing the possibility of getting swaraj. He said, "If we could banish the plague from India, we shall have increased our fitness for swaraj." It should however be remembered that Gandhiji never considered cleanliness to be merely an external accomplishment. To him, having a clean mind was as important as having a clean body and a clean surrounding. In his philosophy, well-being also never meant just good health.

Any meaningful drive on cleanliness as a swachhanjali to Gandhiji, therefore, can never be blind to eradication of manual scavenging, caste discrimination and inequality, and the upkeep of the dignity and freedom of every individual of the country. Gandhiji never treated cleanliness in isolation. A careful scrutiny of his life and work proves that cleanliness was a part of a programme that he devised for the holistic development of an individual. It was a means to fight both external and internal imprisonment of man. In fact, using sanitation as a weapon, he wished simultaneously to fight colonialism and reform Indian society.

Gandhiji's preoccupation with cleanliness began in South Africa. There he had to fight the assertion of the white settlers that the Indians lacked hygiene and therefore needed to be kept separated. In an open letter to the Natal Legislative Assembly, Gandhi mentioned that the Indians also could be at par with the Europeans so far as standards of sanitation are concerned, provided they were given the same kind of attention and opportunity. He, however, did not undermine the importance of improving the quality of sanitation for the Indians as he believed that the maintenance of global standards in sanitation would correct the image of India in the West to a large extent.

Upon his return to India in 1915, he placed sanitation at the core of his programmes for obtaining independence. He said, “Swaraj ought to begin with our streets.” In 1941, he published a booklet, Constructive Programme, for the Congress workers. Village sanitation was the sixth of the eighteen programmes that Gandhiji laid down in that booklet. Some other important programmes were communal unity, removal of untouchability, economic equality, civil disobedience and the like.

In the section on village sanitation, Gandhiji wrote, “If the majority of congressmen were derived from our villages, as they should be, they should be able to make our villages models of cleanliness in every sense of the word. But they have never considered it their duty to identify themselves with the villagers in the daily life. A sense of national or social sanitation is not a virtue among us. We may take a kind of a bath, but we do not mind dirtying the well or the tank or the river by whose side or in which we perform ablutions.”

In the foreword to the booklet, Gandhiji further wrote, “Readers, whether workers and volunteers or not, should definitely realize that the constructive programme is the truthful and nonviolent way of winning Poorna Swaraj. Its wholesale fulfilment is complete independence. Imagine all the forty crores of people busying themselves with the whole of the constructive programme which is designed to build up the nation from the very bottom upward.” So, sanitation, as a part of this programme, was conceived of as contributing to the development of the nation as a whole as also as integrally related to issues, such as, the removal of untouchability and the practice of civil disobedience.

For Indians, sanitation, in the opinion of Gandhiji, as said already, was a necessity to combat the discourse of ‘the white man’s burden’ that supported the mission of colonialism arguing the need for civilizing the uncivilized, teaching the Indians sanitation and hygiene. Sanitation was also needed to remove untouchability and to create an Indian society based on equity.

Gandhiji said, “Everyone must be his own scavenger. If you become your own bhangi (sweeper), not only will you ensure perfect sanitation for yourself, but you will make your surroundings clean and relieve those whom you call bhangis, of the weight of oppression.” Sanitation and non-violence were indeed considered by him the two sides of the same coin. He believed that a sanitized mind with complete trust in truth is compelled to practise ahimsa. In this context, one can’t help saying that too much focus on external sanitation and physical fitness might make swachhata a useless metaphor, segregating it completely from Gandhian philosophy. The use of a fitness influencer in his Swachh Bharat campaign puts a wrong emphasis on the Gandhian mission of swachhata, proving the vision of the government on swachhata myopic. **(A) Ever since the inception of Swachh Bharat Abhiyan in 2015, the government has been circulating photos and videos of important personalities (including the Prime Minister) cleaning up statues, buildings and streets to motivate the masses for take part in the cleanliness programme.** Such photos should not unlink external cleanliness from internal cleanliness, making the countrymen forgetful about the real connotations of swachhata to Gandhiji.

Whereas the success of Swachh Bharat Abhiyan in making India free of open defecation is undeniable, there is little doubt that the Abhiyan did not consider internal cleanliness seriously. It is high time that the government brings in changes in its directions of cleanliness drive. One of the objectives of Swachh Bharat Abhiyan was “to bring about behavioural changes in the people towards sanitation and hygiene.” Such changes are yet to come by. Swachhata has become a ritual only to be performed on Gandhi Jayanti. More and more it is becoming a one-day event of cleaning streets and surroundings. This betrays Gandhiji’s thoughts on swachhata. The nation should not misappropriate the ideology of the father of the nation.

### Question 83

According to the passage, what did the Prime Minister emphasize blending with cleanliness during this year’s Gandhi Jayanti?

- (1) Fitness and well-being
  - (2) Patriotism and nationalism
  - (3) Education and healthcare
  - (4) Environmental conservation
  - (5) Industrial development
- 

### Question 84

What was the primary focus of the Swachh Bharat Abhiyan as mentioned in the passage?

- (1) Eradicating manual scavenging
  - (2) Achieving complete internal cleanliness
  - (3) Eliminating caste discrimination
  - (4) Promoting physical fitness
  - (5) Making India free of open defecation
- 

### Question 85

What is the meaning of the phrase ‘the white man’s burden’ as mentioned in the passage?

- (1) The responsibility of maintaining cleanliness in colonial India
  - (2) The duty of Western powers to civilize non-Western societies
  - (3) The burden of caste discrimination in Indian society
  - (4) The need for environmental conservation in colonial India
  - (5) None of these are correct
-

### Question 86

In what context did Gandhi first begin to emphasize the importance of sanitation?

- (1) During his return to India in 1915
  - (2) During the South African freedom struggle
  - (3) During the publication of the Constructive Programme booklet
  - (4) During the fight against colonialism
  - (5) During the Mann Ki Baat episode
- 

### Question 87

According to Gandhi, what did a sanitized mind with complete trust in truth compel individuals to practise?

- (1) Violence
  - (2) Environmental conservation
  - (3) Patriotism
  - (4) Fitness
  - (5) Non-violence (ahimsa)
- 

### Question 88

What is the most suitable title for the passage?

- (1) Gandhi's Views on Sanitation and Cleanliness
  - (2) The Prime Minister's Message on Gandhi Jayanti
  - (3) Swachh Bharat Abhiyan and Its Objectives
  - (4) The Role of Fitness Influencers in Swachh Bharat Campaign
  - (5) The Government's Approach to Cleanliness Initiatives
- 

### Question 89

What is the tone of the author in the passage?

- (1) Critical
  - (2) Supportive
  - (3) Analytical
  - (4) Neutral
  - (5) None of these
-

### Question 90

The sentence at (A) may be erroneous grammatically or contextually. Identify the error in the sentence and choose the respective option. If there is no error, choose option 5.

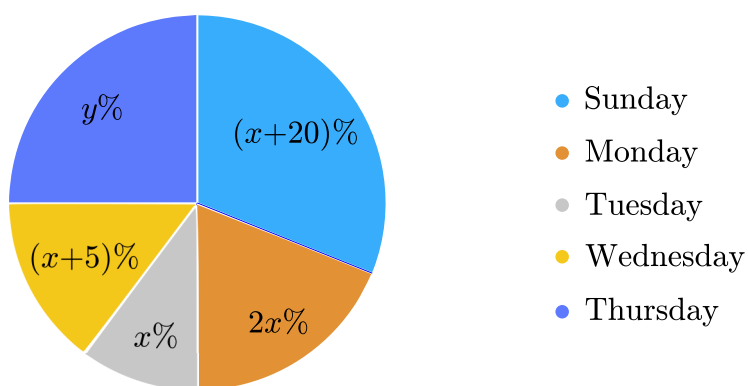
- (1) Ever since the inception of Swachh Bharat Abhiyan in 2015, the government
  - (2) has been circulating photos and videos of important personalities (including
  - (3) the Prime Minister) cleaning up statues, buildings and streets
  - (4) to motivate the masses for take part in the cleanliness programme.
  - (5) No error
-

Read the following passage and answer the given questions.

The pie chart given below shows the percentage distribution of the number of people (male + female) who visited a zoo on five different days in a week.

Note:  $y$  is  $\frac{1}{4}$  th of the total pie.

The total number of people visited the zoo on five different days is 500.



### Question 91

On Monday out of the total number of people who visited the zoo, 30% were male and the rest were female. 40% of the total males and  $\frac{3}{7}$  of the total females who visited on Monday went to see Giraffe and the rest went to see a Lion. If out of the total people who went to see the Lion,  $16\frac{2}{3}\%$  of males and 40% of females also went to see the Zebra, then find the number of people who went to see only the Lion.

- (1) 36
- (2) 29
- (3) 39
- (4) 28
- (5) 24

### Question 92

On Thursday,  $\frac{2}{5}$  th of total people visited the zoo were females and out of the total females who visited on Thursday  $\frac{1}{5}$  th visited the first time. If the total first time visitors on Thursday was 10% of the total people visited on all five days, then find the number of males who visited the zoo not for the first time on Thursday.

- (1) 35
- (2) 25
- (3) 20

(4) 15

(5) 40

---

### Question 93

On Friday if the number of males who visited the zoo was double the difference of the number of people who visited the zoo on Sunday and Tuesday, and on Friday females visited the zoo were  $\frac{3}{4}$  th of the total people who visited on Friday, then find the total number of people visited the zoo on Friday.

(1) 400

(2) 600

(3) 800

(4) 900

(5) 1000

---

*Read the following passage and answer the given questions.*

The data is given about 3 companies on Monday to Friday in a week. On Monday and Tuesday A produced 20% and 25% respectively of the total production done by it on all five days. The ratio of production by A on Friday and Thursday is 1 : 2. On Wednesday A produced 60 less than Friday. On Monday A produced 60 more than Friday.

B produced a total of 2400 products on all five days and C produced  $\frac{2}{3}$  rd of the total production by B on all five days. Out of the total production of B, it produced 15% of the total production each on Thursday and Friday. On Wednesday B produced 960 products. On Monday and Tuesday, the production of B is the ratio of 1 : 2. Out of the total production of C, it produced 12% of the total production each on Tuesday and Wednesday. The sum of production of C on Thursday and Friday is 816 and the ratio of production of C on Thursday and Friday is 1 : 2.

### Question 94

Find the total production of A on Tuesday and B on Friday.

(1) 450

(2) 500

(3) 600

(4) 660

(5) None of these

---

### Question 95

What is the ratio of the production of A on Friday and Monday together and the Production of C on Friday and Monday together?

- (1) 105 : 226
  - (2) 105 : 236
  - (3) 105 : 247
  - (4) 21 : 37
  - (5) 105 : 206
- 

### Question 96

The production of B on Tuesday is what percent more than on Friday?

- (1) 20%
  - (2)  $33\frac{1}{3}\%$
  - (3) 25%
  - (4)  $16\frac{2}{3}\%$
  - (5) None of these
- 

### Question 97

*Read the following passage and answer the given questions.*

*The question below is followed by two statements I and II. You have to determine whether the data given in the statement is sufficient for answering the question. You should use the data and your knowledge of Mathematics to choose the best possible answer.*

The ratio between the lengths of the Gomti Express and Krishak Express is 5 : 4. What is the sum of the lengths of both trains?

- I. The speeds of Gomti Express and Krishak Express are  $54 \text{ km} \cdot \text{h}^{-1}$  and  $72 \text{ km} \cdot \text{h}^{-1}$  respectively. Both trains cross each other in  $\frac{27}{5}$  s when running in opposite directions.
  - II. The Speed of Krishak Express is  $72 \text{ km} \cdot \text{h}^{-1}$  and it can cross a man in 4.2 s.
- (1) Data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
  - (2) Data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
  - (3) Data either in statement I or in statement II alone are sufficient to answer the question.
  - (4) Data in both statements I and II together are necessary to answer the question.
  - (5) Data given in both statements I and II together are not sufficient to answer the question.
-

### Question 98

*Read the following passage and answer the given questions.*

*The question below is followed by two statements I and II. You have to determine whether the data given in the statement is sufficient for answering the question. You should use the data and your knowledge of Mathematics to choose the best possible answer.*

There are three men Aman, Chaman, and Baman. Find the difference between the time taken by Aman & Chaman together to complete a task and the time taken by Chaman & Baman together to complete the same task.

- I. Baman takes 50% more time than Chaman and 100% more time than Aman to finish the work.
- II. If they work together, the work will be completed in 8 days.

- (1) Data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
  - (2) Data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
  - (3) Data either in statement I or in statement II alone are sufficient to answer the question.
  - (4) Data in both statements I and II together are necessary to answer the question.
  - (5) Data given in both statements I and II together are not sufficient to answer the question.
- 

### Question 99

*Read the following passage and answer the given questions.*

*The question below is followed by two statements I and II. You have to determine whether the data given in the statement is sufficient for answering the question. You should use the data and your knowledge of Mathematics to choose the best possible answer.*

The ratio between the length and breadth of a rectangular park 'A' is 7 : 6. Find the area of a square field 'B'.

- I. The length of the rectangular park 'A' is 50% more than the radius of a circle whose area is  $2464 \text{ m}^2$ .
- II. The perimeter of the rectangular park 'A' is 28 m more than the perimeter of the square field 'B'.

- (1) Data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (2) Data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (3) Data either in statement I or in statement II alone are sufficient to answer the question.

- (4) Data in both statements I and II together are necessary to answer the question.
- (5) Data given in both statements I and II together are not sufficient to answer the question.
- 

### Question 100

Read the following passage and answer the given questions.

In the question, two equations (I) and (II) are given. You have to solve both the equations and give the answer.

I.  $16^{\frac{1}{4}}x^2 - \sqrt{121}x + 5 \times (\sqrt{3})^{4 \div 2} = 0$

II.  $y = \sqrt{7y - 12}$

- (1)  $x > y$
- (2)  $x < y$
- (3)  $x \geq y$
- (4)  $x \leq y$
- (5)  $x = y$  or no relation can be established between  $x$  and  $y$ .
- 

### Question 101

Read the following passage and answer the given questions.

In the question, two equations (I) and (II) are given. You have to solve both the equations and give the answer.

I.  $\sqrt{144}x^2 - (18 + z)x - C = 0$  where  $z = 5$  and  $C = 15 \times 17$

II.  $y^2 - 18y + 77 = 0$

- (1)  $x < y$
- (2)  $x > y$
- (3)  $x \leq y$
- (4)  $x \geq y$
- (5)  $x = y$  or no relation can be established between  $x$  and  $y$ .
- 

### Question 102

Read the following passage and answer the given questions.

In the question, two equations (I) and (II) are given. You have to solve both the equations and give the answer.

I.  $x^2 - 10\sqrt{4}x + \sqrt{169} \times \sqrt{49} = 0$

II.  $y^2 = ky - (4k - 3)$ , where  $k = 22$

- (1)  $x < y$

- (2)  $x > y$
  - (3)  $x \leq y$
  - (4)  $x \geq y$
  - (5)  $x = y$  or no relation can be established between  $x$  and  $y$ .
- 

### Question 103

A tank which contains a mixture of lime juice and water in ratio 5 : 2. 21 l of mixture is taken out from the tank and 5 l of pure water and 3 l of lime juice is added to the mixture. If resultant mixture contains 33.33% water, what was the initial quantity of mixture in the tank before the replacement?

- (1) 50 l
  - (2) 20 l
  - (3) 70 l
  - (4) 13 l
  - (5) None of these
- 

### Question 104

Aryan went to buy a laptop after seeing the price on Amazon. He found that the price of the laptop on the shop is the same, but the shopkeeper informed him of 28% of GST on the internet price. By what percentage should he bargain for the reduction of the price so that he can buy at the internet price?

- (1) 21.875%
  - (2) 18.256%
  - (3) 15.575%
  - (4) 14.25%
  - (5) 12.125%
- 

### Question 105

In an examination, a student scored 40% marks. After review, his score was increased by 20% but he still failed by 24 marks. After further review, his score was increased by 50%, then he secured 24 marks more than passing marks. If passing marks was  $Y$ , then  $(Y + 20)$  was how much % of maximum marks?

- (1) 70%
  - (2) 60%
  - (3) 80%
  - (4) 72%
  - (5) None of these
-

### Question 106

A tank has some quantity of mixture of two types of liquids. It is in the shape of a right circular cylinder having radius  $R$  and height is seven more than the radius. The whole quantity is taken out from the tank and poured into  $y$  number of hemispherical bowls. Each bowl is filled up to its maximum capacity. If the maximum capacity of each bowl is  $\frac{22R^3}{63} \text{ m}^3$ , then find the possible values of  $y$ .

Note: both  $R$  and  $y$  are positive numbers

I. 7

II. 15

III. 10

- (1) Only I
  - (2) Only II
  - (3) Only I and III
  - (4) Only II and III
  - (5) None of these
- 

### Question 107

Three friends A, B, and C decide to run around a circular track. They start at the same time and run in the same direction. A is the quickest and when A finishes a lap, it is seen that C is as much behind B as B is behind A. When A completes 4 laps, C is the exact same position on the circular track as B was when A finished a lap. Find the ratio of the speeds of A, B, and C?

The answer to the ratio of A, B, and C are given below.

I. 5 : 3 : 1

II. 5 : 4 : 3

III. 7 : 6 : 5

- (1) Only I
  - (2) Only II
  - (3) Only III
  - (4) II and III
  - (5) All three
- 

### Question 108

M started a business by investing Rs. 2400 and after two months, N joined him with Rs. 3600. Four months after starting of business, M withdrew Rs.  $a$  from his initial investment. After two more months N withdrew Rs.  $b$  from his initial investment. At the end of a year, the profit share of M and N is in the ratio of 64 : 81 respectively. If  $a + b = 1000$ , then find the investment of N in 9th month.

- (1) Rs. 2500
  - (2) Rs. 2800
  - (3) Rs. 3000
  - (4) Rs. 3500
  - (5) Rs. 4200
- 

#### Question 109

Geeta deposits Rs. 20000 in a private company at the rate of 16% compounded yearly, whereas Meera deposits an equal sum in SBI at the rate of 15% compounded half-yearly. If both of them deposit their money for 1.5 years only, calculate which deposit earns better interest.

- (1) Geeta
  - (2) Meera
  - (3) Both get equal interest
  - (4) Insufficient data
  - (5) None of these
- 

#### Question 110

Two boats A and B are moving towards each other from 306 km. Upstream speed of boat A is 3 times more than speed of boat B in still water. Ratio of speed of boat B in still water and speed of stream is 3 : 2. If downstream speed of boat A is  $12 \text{ km} \cdot \text{h}^{-1}$  then in what time will they meet each other?

- (1) 22 h
  - (2) 23 h
  - (3) 24 h
  - (4) Can't be determined
  - (5) None of these
- 

#### Question 111

The ratio of radius to the height of a cone is 3 : 4. Cost of painting the curved surface area of the cone is Rs. 35640 at Rs. 22 per  $\text{cm}^2$ . If the ratio of the radius of the cone to the radius of the cylinder is 6 : 11 and the height of the cylinder is 70% of the slant height of the cone then find the difference between the volume of the cone and the volume of the cylinder. (Use  $\pi = 3$ )

- (1)  $60831 \text{ cm}^3$
- (2)  $601231 \text{ cm}^3$
- (3)  $60442 \text{ cm}^3$

(4)  $50840 \text{ cm}^3$

(5)  $56402 \text{ cm}^3$

---

### Question 112

There are some students in two universities, DU and JNU. Number of female students in both universities are equal. Number of male students in DU is three-fourth of the number of male students in JNU. If half of the female students left the JNU and the number of male students in JNU becomes 50% more than the number of male students in DU then the total number of students remain same in JNU. Find the number of students in DU is what percent of the number of students in JNU.

(1) 80%

(2) 75%

(3) 60%

(4) 50%

(5) None of these

---

### Question 113

The number of males in the meeting is  $X$  and 20% of them take coffee. The number of females who take coffee in the meeting was  $Y$ . What is the percentage of males who take coffee with respect to the number of females who take coffee in the meeting?

I.  $X : Y = 3 : 2$

II.  $X = 1500$

(1) 30%

(2) 20%

(3) 25%

(4) 12.5%

(5) 36%

---

### Question 114

Average age of four members A, B, C and D in a family is  $(2y + 1)$  years. Average age of A and D is  $(y + 8)$  years. Ratio of present ages of B and C is 2 : 1. A is 4 years elder than C when after  $y$  years age of A will be same as present age of B.

I. Age of D after  $y$  years is equal to the present age of B.

II. Ratio of present ages of C and D is 3 : 4.

III. Ages of A and D are same

(1) II only

(2) I and III only

- (3) I and II only
  - (4) I, II, and III
  - (5) None of these
- 

### Question 115

Team A can build a project in 9 h less than time taken by team B to build the same project. The ratio of strength of team A to that of team B is \_\_\_\_\_. If it is given that the efficiency of each member of both the teams is same, then which of the following ratio will satisfy the condition?

- I. 7 : 5
- II. 25 : 41
- III. 10 : 9
- IV. 20 : 25

- (1) I and III only
  - (2) I, II and III only
  - (3) III and IV only
  - (4) I, III and IV only
  - (5) I, II, III and IV
- 

### Question 116

There is a group of three people A, B and C. The ratio between ages of A and B is 7 : 8 and that of between B and C is 4 : 5. If the average age of all three is 50 years, then what was the ratio between ages of A and C before 12 years?

- (1) 4 : 7
  - (2) 5 : 8
  - (3) 10 : 17
  - (4) 8 : 15
  - (5) 6 : 11
- 

### Question 117

‘ $m$ ’ number of machines can do a piece of work in  $(m + 20)$  days working 8 h a day. In how many days ‘ $n$ ’ number of machines working 6 h a day can complete the work?

- I.  $n - 2m = 40$
- II.  $m : n = 9 : 28$

- (1) 12 days
- (2) 24 days

- (3) 36 days
  - (4) 48 days
  - (5) 45 days
- 

### Question 118

*Read the following passage and answer the given question.*

*In the following question two Quantities are given in variables Quantity I and Quantity II. You have to solve these Quantities and determine the relation between Quantity I and Quantity II.*

**Quantity I:** Volume of the cube (in  $\text{cm}^3$ ) having the side of 4 cm.

**Quantity II:** Volume of the cylinder (in  $\text{cm}^3$ ) having radius of 5 cm and height of 3.5 cm.

- (1) Quantity I > Quantity II
  - (2) Quantity I < Quantity II
  - (3) Quantity I  $\leq$  Quantity II
  - (4) Quantity I  $\geq$  Quantity II
  - (5) Quantity I = Quantity II or no relation can be established
- 

### Question 119

*Read the following passage and answer the given question.*

*In the following question two Quantities are given in variables Quantity I and Quantity II. You have to solve these Quantities and determine the relation between Quantity I and Quantity II.*

**Quantity I:** Time taken to cross each other of two trains when two trains 500 m and 200 m long run the speeds of  $30 \text{ m} \cdot \text{s}^{-1}$  and  $40 \text{ m} \cdot \text{s}^{-1}$  on parallel roads in opposite directions.

**Quantity II:** Time taken to cross each other of two trains when two trains 900 m and 100 m long run the speeds of  $110 \text{ m} \cdot \text{s}^{-1}$  and  $10 \text{ m} \cdot \text{s}^{-1}$  on parallel roads in the same direction.

- (1) Quantity I > Quantity II
  - (2) Quantity I < Quantity II
  - (3) Quantity I  $\leq$  Quantity II
  - (4) Quantity I  $\geq$  Quantity II
  - (5) Quantity I = Quantity II or no relation can be established
- 

### Question 120

*Read the following passage and answer the given question.*

*In the following question two Quantities are given in variables Quantity I and Quantity*

II. You have to solve these Quantities and determine the relation between Quantity I and Quantity II.

**Quantity I:** The value of  $x$  when  $150\%$  of  $\sqrt{144} = x + 198 \div 66$ .

**Quantity II:** The value of  $y$  when  $13^2 - 11^2 - 18 = \left(\frac{y}{\sqrt{2}}\right)^2 - 19$ .

- (1) Quantity I > Quantity II
  - (2) Quantity I < Quantity II
  - (3) Quantity I  $\leq$  Quantity II
  - (4) Quantity I  $\geq$  Quantity II
  - (5) Quantity I = Quantity II or no relation can be established
- 

### Question 121

Read the following passage and answer the given question.

In the following question two Quantities are given in variables Quantity I and Quantity II. You have to solve these Quantities and determine the relation between Quantity I and Quantity II.

**Quantity I:** The value of  $k$  when  $(x + 3)$  is a factor of equation  $x^3 + 2x^2 - kx - 6 = 0$ .

**Quantity II:** The value of  $k$  when  $\sqrt{\sqrt{k}} = 2$ .

- (1) Quantity I > Quantity II
  - (2) Quantity I < Quantity II
  - (3) Quantity I  $\leq$  Quantity II
  - (4) Quantity I  $\geq$  Quantity II
  - (5) Quantity I = Quantity II or no relation can be established
- 

### Question 122

What approximate value comes in the place of the question mark '?' in the following question?

$$\frac{1}{9} \text{ of } 2458 - 24.99\% \text{ of } 399.99 + 245.02 \times 2.998 = ?$$

- (1) 699
  - (2) 718
  - (3) 808
  - (4) 908
  - (5) 938
-

### Question 123

What approximate value comes in the place of the question mark '?' in the following question?

$$\sqrt{1445} \times 24.99 - \frac{1}{3} \text{ of } 1125.02 + \sqrt{528} = ?$$

- (1) 898
  - (2) 598
  - (3) 668
  - (4) 750
  - (5) 456
- 

### Question 124

What approximate value comes in the place of the question mark '?' in the following question?

$$294.99 \times 4.024 + 2215.021 - 124.895 \times 24.99 = ?$$

- (1) 80
  - (2) 140
  - (3) 190
  - (4) 270
  - (5) 310
- 

### Question 125

What approximate value comes in the place of the question mark '?' in the following question?

$$\frac{3}{7} \text{ of } (248.02 \div 7.99 + 27.98) + 25\% \text{ of } 780.02 = ?$$

- (1) 180
  - (2) 195
  - (3) 219
  - (4) 217
  - (5) 257
- 

### Question 126

What approximate value comes in the place of the question mark '?' in the following question?

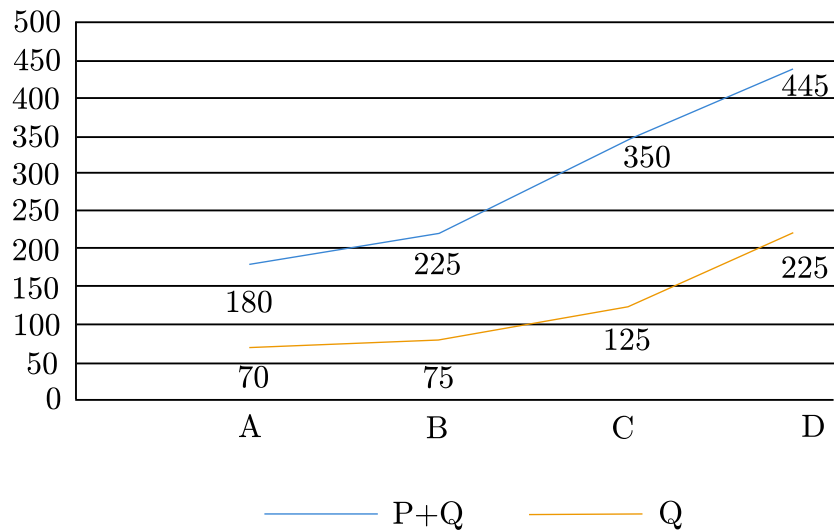
$$345.025 \times 19.99 - 45\% \text{ of } 275 + (34.03)^2 = ?$$

- (1) 7356

- (2) 7932
- (3) 8145
- (4) 8326
- (5) 7789

Read the following passage and answer the given questions.

The given line graph shows the total number of items (type P and Q) and the item Q, dispatched from different warehouses in March.



### Question 127

Out of the total P items dispatched from warehouse C, received and unreceived items were in the ratio of 5 : 4, and from warehouse B this ratio was 9 : 6 for items P. Find the total number of unreceived items P from these two warehouse is how much more or less than the items P dispatched from warehouse D?

- (1) 40
- (2) 50
- (3) 60
- (4) 65
- (5) 70

### Question 128

Out of the total items dispatched from warehouse A, the ratio of defective and non-defective items is 7 : 8. Out of the total defective items  $\frac{1}{4}$  th were P type. So, find the number of non-defective item Q dispatched from warehouse A is how much percent of the total P-type items dispatched from warehouse B?

- (1) 5%

(2)  $5\frac{2}{3}\%$

(3)  $4\frac{2}{3}\%$

(4)  $6\%$

(5)  $6\frac{1}{3}\%$

---

### Question 129

If the total number of items dispatched from warehouse C is 40% more than the previous month and the item P dispatched from warehouse C is 25 more than the previous month, then find the ratio between total item Q dispatched from warehouse C in the previous month and the item P dispatched from warehouse A in March.

(1) 3 : 5

(2) 5 : 9

(3) 5 : 11

(4) 5 : 13

(5) 1 : 3

---

### Question 130

If the delivery cost of each item P dispatched from warehouse D is Rs. 30 and the delivery cost of each item Q dispatched from the same warehouse is Rs. 40, then find the total collection of warehouse D in March.

(1) 15500

(2) 14500

(3) 16500

(4) 18200

(5) None of these

---

### Question 131

What is the difference between the total P items dispatched from warehouse B and the Q items dispatched from D?

(1) 55

(2) 60

(3) 65

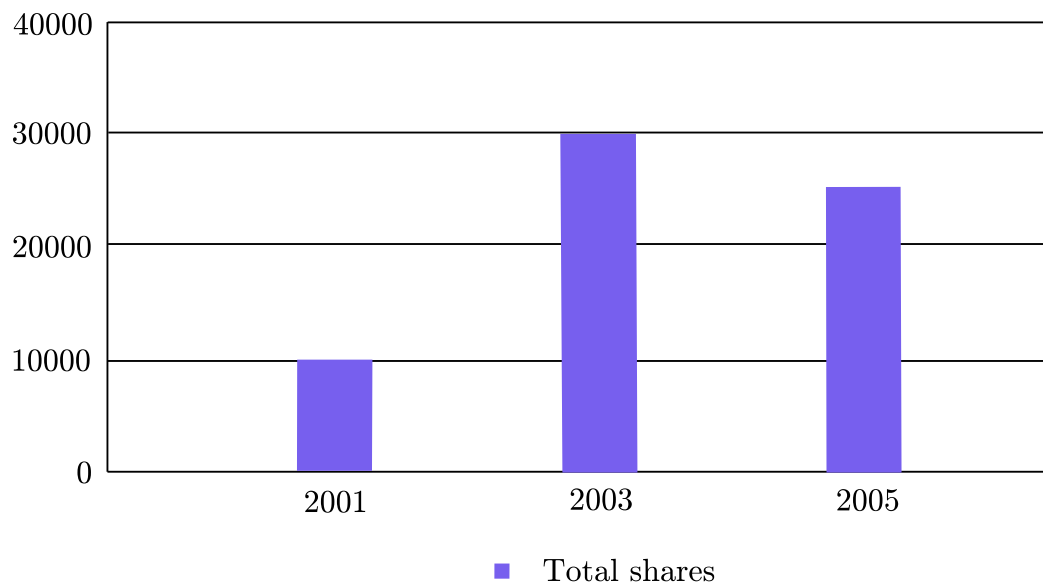
(4) 70

(5) 75

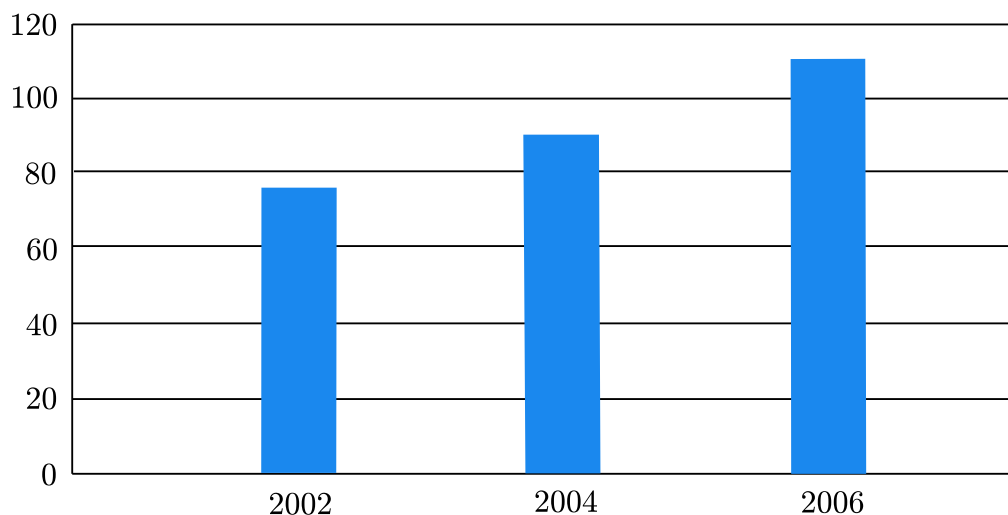
---

Read the following passage and answer the given questions.

Read the data carefully and answer the questions.



Price per share (in Rs.)



Note: (i) Market value = Total number of shares  $\times$  price of one share.

(ii) Number of shares increased by 20% from 2001 to 2002 and price of share decreased by 5% from 2002 to 2003.

(iii) Price of shares decreased by 12% from 2005 to 2006 and the number of shares decreased by 10% from 2005 to 2006.

### Question 132

In 2002, 70% of the total market value was received from old shareholders and the rest received from new shareholders. Find the total market value received from new shareholders.

(1) 140000

(2) 350000

- (3) 27000
  - (4) 270000
  - (5) 210000
- 

### Question 133

Find the ratio of total market value received in 2005 to that of in 2003.

- (1) 171 : 200
  - (2) 250 : 161
  - (3) 250 : 171
  - (4) 171 : 250
  - (5) 250 : 151
- 

### Question 134

Find total market value in 2006.

- (1) 2475000
  - (2) 2455000
  - (3) 2425000
  - (4) 2395000
  - (5) 2495000
- 

### Question 135

Find the percentage of increment in total market value in 2003 over 2002.

- (1) 117.5%
  - (2) 132.5%
  - (3) 125.5%
  - (4) 137.5%
  - (5) 127.5%
- 

### Question 136

If the total number of shares in 2004 is 1750 more than the average number of shares in 2003 and 2006, then find the average number of shares from 2001 to 2006.

- (1) 20250
- (2) 21250
- (3) 22250

(4) 23250

(5) 19250

---

*Read the following passage and answer the given questions.*

The table given below shows the number of students in two different streams (X and Y), % of students in X, and the total number of students in Y in four different colleges. Some values are missing.

| Colleges | Total students<br>(X+Y) | % of students<br>in X | Total students<br>in Y |
|----------|-------------------------|-----------------------|------------------------|
| A        | 968                     | 50%                   | —                      |
| B        | —                       | 65%                   | —                      |
| C        | —                       | 44%                   | 504                    |
| D        | 900                     | —                     | —                      |

### Question 137

In college D, if the percentage range of students in X stream lies within  $15 \leq X < 30$  and X is a multiple of 6 (sum of multiple's digit be even), then find the number of students in stream Y in college D.

(1) 546

(2) 624

(3) 646

(4) 684

(5) 648

---

### Question 138

If the total number of students in college Z is 3 times the number of students in X stream in college A and the number of students in stream Y in college Z is  $\frac{3}{4}$ th of the total students in that college. Then find the average of total number of students in X stream in college Z and the number of students in stream Y in college A.

(1) 423.5

(2) 412.5

(3) 432.5

(4) 435.5

(5) 440.5

---

### Question 139

If the number of students in stream Y in College B is 78 more than four times the difference between the total students in colleges A and D, then find the sum of the total number of students in college C and the number of students in stream X in college B.

- (1) 1400
  - (2) 1450
  - (3) 1500
  - (4) 1550
  - (5) 1600
- 

#### Question 140

In the Mechanical Engineering Department of a college there are two sections  $M_1$  and  $M_2$  with strength ratio 2 : 1. The ratio of boys and girls in section  $M_1$  is 3 : 1 and that in section  $M_2$  is 3 : 5. Students of both the sections are made to stand in the ground in rows of boys and girls, with each row having equal number of students. If the maximum number of students possible in a row is 48, what is the difference between the number of boys in section  $M_1$  and  $M_2$ ?

- (1) 77
  - (2) 144
  - (3) 288
  - (4) 100
  - (5) None of these
-

*Read the following passage and answer the given questions. Study the following data carefully and answer the questions accordingly.*

**Input:** 87457 26344 78935 78935 68946 98562 58959

**Step I** : 26344 87457 68946 78935 58959 98562

**Step II** : 26316 87435 68924 78915 58945 98512

**Step III** : 16312 35456 24948 15956 45940 12572

**Step IV** : 26113 46355 24489 61559 04459 22157

**Step V** : 8 5 10 13 18 9 6 20 8 14 4 13

Step V is the last step of the input output as per the rule followed in the above steps, find out the steps for the input given below.

**Input:** 98564 78453 85467 67984 45678 57894

#### Question 141

Which of the following is the second highest number in step IV?

- (1) 68335
- (2) 22457
- (3) 02665
- (4) 46155
- (5) None of these

#### Question 142

What is the difference between the lowest and highest number of the step II?

- (1) 52868
- (2) 48556
- (3) 51223
- (4) 65889
- (5) None of these

#### Question 143

What is the sum of digits of the third highest number in step III?

- (1) 21
- (2) 33
- (3) 25

- (4) 39
  - (5) None of these
- 

#### Question 144

Which of the following number third to the right of fourth number from left end in step V?

- (1) 11
  - (2) 14
  - (3) 5
  - (4) 10
  - (5) None of these
- 

#### Question 145

What is the multiple of the digits of the lowest number in step I?

- (1) 5040
  - (2) 6378
  - (3) 9978
  - (4) 6720
  - (5) None of these
- 

*In the question given below, a passage is given followed by five options that may or may not be inferred/concluded from the passage. Select the correct option that can be inferred/concluded from the passage.*

#### Question 146

**Statement:**

Corn milk is the latest addition to the plant-based liquid milk portfolio. It's been called 'the new oat milk' and the comparison seems appropriate both products became popular when marketed to cafes and coffee drinkers. The texture will foam well in latte. But how does this compare nutritionally? One important thing to remember about milk alternatives is that they rarely have the same nutritional profile as real milk. Whole milk is high in fat and protein, along with some carbohydrates from lactose. Skim milk does not contain fat but is still rich in protein. In contrast, plant-based milks are typically lower in protein and fat, while being significantly higher in carbohydrates.

- (1) Plant-based milks are at the bottom of the list, with different types of milk listed in descending order of nutritional value.
- (2) A person who drinks coffee regularly will indirectly consume plant-based milks.
- (3) Skimmed milk cannot help increase body fat.

- (4) Whole milk and skim milk have different protein contents.
  - (5) Corn milk is the new name for oat milk.
- 

### Question 147

#### Statement:

In Pakistan, there is an urgent need for the public and private sectors to collaborate on drone applications to improve healthcare equity in rural areas. The World Economic Forum's Medicine from the Sky initiative accelerates the transformation of inefficient medical supply chains to flexible, digital infrastructure that reduces waste and improves outcomes health. This project essentially aims to fill the gaps in the healthcare delivery system by delivering vaccines and medicines to remote areas of Pakistan using drones. The initiative is also developing guidance for policymakers and health systems to analyze the opportunities and challenges of drone vaccine delivery.

- (1) Only drones can improve access to healthcare in rural areas.
  - (2) There is an urgent need for the public and private sectors to collaborate on drone applications to improve healthcare in Pakistan alone.
  - (3) There are no problems with using drones to transport vaccines.
  - (4) Drones cannot be used to deliver vaccines.
  - (5) Drones can fill gaps in the healthcare delivery system.
- 

### Question 148

*Below in the question are given two statements (I) and (II). These statements may be either independent causes or may be effects of independent causes. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.*

#### Statements:

- I. Mr. Ram came into contact with someone he did not know well and trusted the opinion he presented, which was quite strange.
  - II. Alex Carry developed the theory of 'default truth', according to which, when given the choice whether to trust a stranger or not, most of us choose to believe, to trust, to get the benefit of the doubt.
- (1) Statement I is the cause and statement II is the effect
  - (2) Statement II is the cause and statement I is the effect
  - (3) Both statements I and II are independent causes
  - (4) Both statements I and II are effects of independent causes
  - (5) Both statements I and II are effects of some common cause
-

### Question 149

*Under 'Statements and Possible Reasons', a passage/paragraph/situation is given, and we need to identify the plausible reason(s) of a certain event/action mentioned in the passage.*

**Statement:** The practice of 'ranking' involves separating students into classes based on their school-diagnosed achievement levels, which means selecting students from a 'stream' of general abilities or 'set' of subject-specific abilities. Most education experts say streamlining learning is a bad idea for students who are falling behind their peers. Which of the following could be a possible reason why experts recommend against spreading students?

- I. Parents of lower grade students complain that their children do not receive adequate support and attention from teachers.
- II. Parents of top students worry that their children will not be challenged.
- III. Streaming significantly and negatively affects students placed in lower groups.

- (1) Only statement I and statement II
  - (2) Only statement III
  - (3) None of statement I, statement II and statement III
  - (4) All of statement I, statement II and statement III
  - (5) Only statement I and statement III
- 

### Question 150

*An argument is essentially a statement which intends to get one to believe or agree with its conclusion. It generally consists of the premise, conclusion and a hidden logical connection between these two known as the assumption. The most promising way to approach the strengthening and weakening arguments questions is to strengthen or weaken either of these individual constituents of the arguments i.e. the premise, the conclusion or the assumption. As the name suggests, strengthen and weaken questions require us to identify those statements that would render the given statement and its conclusions stronger or weaker respectively.*

In a globally connected world, where technology allows us to communicate across the world in many different forms in a matter of seconds, print media is becoming obsolete. In the time it takes to write, edit, print and distribute a newspaper, the events being reported may have changed. Once we have the technology to overcome this problem, it is unlikely that newspapers will exist anymore, because who wants to read old news?

- (1) Modern newspapers have adapted their designs to increase public consumption.
- (2) Many television media reported when the first plane hit the World Trade Center on August 15 that it was an unfortunate accident, but upon subsequent investigation it turned out to be work of terrorists.
- (3) In the digital world, information consumers can become their own publishers and no longer need to rely exclusively on old hierarchical structures.

- (4) An example of the inability of newspapers to adapt to changing events can be seen in the assassination of Masud Khan on April 17, 2017. The story broke too late for the newspapers to UK morning may edit their page to include reports a day later on May 18.
  - (5) It's true that newspapers can't adapt as quickly as other types of media to 4444 current events, but slower reporting has its benefits.
- 

### Question 151

*Study the following information carefully and answer the question given below.*

**Statement:**

In addition to being a country where many people travel for tourism purposes, America is also a popular working destination. People from all over the world want to work in the United States because of the high salaries and good working environment. There are three prerequisites, in addition to the basic requirements, that a US work visa applicant must meet before applying. If you do not meet even one of these conditions, the embassy may refuse your visa application. This will prevent you from traveling and working in the United States. These prerequisites are have a job offer in the United States. You must apply and be accepted for a position in the United States, the petition is approved by the United States Citizenship and Immigration Services (USCIS) approval and approved labor certification from the Department of Labor (DOL). Answering 'Yes' to which of the following questions will result in refusal of a visa according to the requirements mentioned in the passage?

- (1) Is the applicant a non-United State citizen?
  - (2) Will a candidate be rejected for a job they applied for at a US - based company?
  - (3) Is the person eligible to work in the United States?
  - (4) Was the applicant successful with USCIS?
  - (5) Did the person receive certification from the DOL?
- 

### Question 152

*Read the information carefully and answer the following questions:*

**Course of actions:** Public hospitals should launch a campaign to raise public awareness that drugs sold by private pharmacies are too expensive and can be purchased cheaper at public health clinics.

**Situation:**

- I. Dispensaries run by public hospitals typically have fewer drugs in stock than most other pharmacies. Most patients entering public hospitals buy medicine from outside pharmacies due to drug shortages. Typically, private pharmacies located right next to public hospitals only stock/sell the most expensive drug brands to increase profits.

- II. Different drugs prescribed for the same disease have the same ingredients. The difference in price is not due to the chemical/herbal ingredients but to different manufacturers. Dispensaries run by public hospitals sell the same drugs at prices 73% lower than those sold in private pharmacies. Most people are not aware of this and end up spending a lot of money to treat minor health problems.
- III. The increase in drug prices has not been well received by public opinion. With the high cost of medical services and hospital bills, rising drug prices can make it difficult for some people to find treatment for even minor health problems.

Which of the situation(s) above will the given course of action follow?

- (1) Both situation I and situation II
  - (2) Only situation III
  - (3) Only situation II
  - (4) Both situation II and situation III
  - (5) Both situation I and situation III
- 

### Question 153

*Study the following information carefully and answer the given questions.*

Investigation lead by self-determination theory has focused on the convivial atmosphere conditions that facilitate or cramp the instinctive processes of self-motivation and healthy psychological development. Specifically, factors that enhance or harm intrinsic motivation, self-regulation, and well being were catechized. The bring about led to the supposition of three innate psychological needs - capability, autonomy and affiliated - that when satisfied lead to improved idiomatic encouragement and mental robustness, and when encumber balk will lead to de - escalate motivation and beatitude. The consequence of these needs and cerebral processes in areas such as health care, education, work, disport, credo and psychotherapy are also considered.

The passage above is based on which of the following assumption?

- (1) Although motivation is often thought of as a single construct, even cursory reflection reveals that people are driven to action by very different types of factors, with very different experiences and consequences different.
  - (2) The actuality further most people demonstrate significant effort, action and commitment in their lives, in fact, appears to be more the norm than the exception, suggesting some very positive characteristics and permanence of human nature.
  - (3) The fullest representations of humanity show people to be curious, vital, and self motivated.
  - (4) Human beings can be proactive and engaged or, alternatively, passive and alienated, largely as a function of the social conditions in which they develop and function.
  - (5) Regardless of social class or cultural background, there are many examples of children and adults who are indifferent, alienated and irresponsible.
-

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

S & T(17m) S is 22m north of T

S @ T(13m) S is 11m south of T

S \$ T(24m) S is 21m east of T

S % T(11m) S is 18m west of T

P & B(19); A \$ P(15); E @ C(13); V \$ Q & B; B % E(8); V % C(2);

V @ R(11); A & D & O; D \$ R; V % O % C.

#### Question 154

What is the direction of C with respect to B?

- (1) North-west
  - (2) South-east
  - (3) North-east
  - (4) South-west
  - (5) None of these
- 

#### Question 155

What is the shortest distance between A and O?

- (1) 13 m
  - (2) 15 m
  - (3) 6 m
  - (4) 7 m
  - (5) None of these
- 

#### Question 156

Which of the following point is to the north of O?

- (1) A
  - (2) C
  - (3) D
  - (4) Both (1) and (2)
  - (5) Both (1) and (3)
- 

#### Question 157

If 1 is added to the even positioned digits and 2 is subtracted from the odd positioned digits from the left end of each number, then which of the following number formed the maximum pairs of digits each of which has as many digits between them as in the natural number series (both forward and backward directions)?

- I. 5843766  
II. 8542368  
III. 7845568

- (1) Only I  
(2) Only II  
(3) Only III  
(4) Both I and III  
(5) Both I and II

---

### Question 158

K % Z means K is the wife of Z  
K @ Z means K is the son of Z  
K ● Z means K is the brother of Z  
K & Z means K is the daughter of Z  
K ◆ Z means K is the sister of Z

If 'M @ H % G ● J ◆ I @ K % L' is true and the age of G is 48 years and I's age is 6 years less than that of H's husband's age, then what is the age of M's only uncle?

- (1) 42 years  
(2) 55 years  
(3) 32 years  
(4) 39 years  
(5) None of these

---

*In the following questions, the symbols #, @, \$, ●, &, ♀ and ◆ are used with the following meaning as illustrated below. In each of the questions given below statements are followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.*

Z ● K - All Z are K  
Z # K - Some Z are K  
Z & K - No Z is K  
Z ♀ K - Some Z are not K  
Z @ K - Only a few Z are K  
Z \$ K - Some Z can never be K  
◆ - possibility case

### Question 159

**Statements:**

- I. Lily @ Magnolia
- II. Lily ♣ Daisy # Jasmine & Rose

**Conclusions:**

- I. Rose & Daisy
- II. Jasmine ♣ Magnolia
- III. Magnolia # Daisy

- (1) Only I and II follow
- (2) Only III follows
- (3) None follows
- (4) All follow
- (5) Only I and III follow

**Question 160**

**Statements:**

- I. Laptop & Webcam
- II. Mouse @ Ebook
- III. Laptop ♀ Ebook

**Conclusions:**

- I. Mouse ♣ ♦ Webcam
- II. Webcam \$ Ebook
- III. Mouse ♀ Ebook

- (1) Only I and II follow
- (2) Only III follows
- (3) None follows
- (4) All follow
- (5) Only I and III follow

**Question 161**

**Statements:**

- I. Owl ♣ Macaw
- II. Toucan @ Rooster
- III. Toucan ♀ Owl & Crane

**Conclusions:**

- I. Macaw ♀ Crane

II. Toucan ♣ ♦ Owl

III. Rooster & Macaw

- (1) Only I follows
- (2) Only III follows
- (3) None follows
- (4) All follow
- (5) Only I and III follow

*Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.*

### Question 162

Six people - J, K, L, M, N, and O - were seated in a linear row but not necessarily in the same order.

Who among the following was seated third from the left end of the row? (All are facing north.)

**Statements:**

- I. N was seated second to the right of M. O was seated immediately to the left of M. Neither N nor O was seated at the end of the table. Only two people were seated between J and L. L did not sit adjacent to N.
- II. Only three people were seated between K and O. Only one person was seated between J and O. L was seated immediately left of O. M was seated second to the left of N.

- (1) If the data in both statements I and II together are necessary to answer the question.
- (2) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (3) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (4) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (5) If the data given in both statements I and II together are not sufficient to answer the question.

### Question 163

What is the direction of point B with respect to point W?

**Statements:**

- I. Point K was north-east of point O and north of B. Point K was east of point W. Point W was neither north nor northeast of point O. Point O was north of point J which was west of point B. Point Z was the east of point K
- II. Point W was south-east of point X. Point B was north of point K which was west of point X. Point J was north of point W and east of point D. Point D was north of point X. Point B was south-west of point D. Point B was north of point K which was west of point X. Point E was the west of point B.
- (1) If the data in both statements I and II together are necessary to answer the question.
- (2) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (3) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (4) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (5) If the data given in both statements I and II together are not sufficient to answer the question.
- 

### Question 164

Six boxes P, Q, R, S, T and U were kept one above another such that bottommost box is numbered as 1 while the topmost box is numbered as 6 but not necessarily in the same order.

Which box is the topmost box?

#### Statements:

- I. Box T is second box. Box Q was two boxes above box P but not the topmost box.
- II. Box U was just above box Q. Box R was two boxes above box T, which was an even numbered box.
- III. Box R is just above box P. Box T was not the topmost box.
- (1) Data given in both statements I and II together or statement III alone is sufficient to answer.
- (2) Data given in both statements II and III are together sufficient to answer.
- (3) Data given in both statements I and II are together sufficient to answer.
- (4) Data given in all three statements I, II, and III are together sufficient to answer
- (5) Data given in all three statements I, II and III are together not sufficient to answer.
-

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

There are seven members O, P, Q, R, S, T and U. Each of them is related to S in some way of the other. No two vowel name person sits together. They all are sitting in a straight line facing north but not necessarily in the same order.

U sits third to the left of Q's daughter. O is the mother of U. One person is sitting between S's son and S's father. S is an immediate neighbor of P's mother. Only three people are sitting between P's mother and P. O is the wife of S. R is the daughter of O and granddaughter of T. Only one person is sitting between T and T's daughter-in-law. P is the aunt of U and R. S has only one daughter. Q has two children. U is not sitting second from one of the end.

### Question 165

Who among the following people is the son of Q?

- (1) O
  - (2) S
  - (3) P
  - (4) R
  - (5) None of these
- 

### Question 166

How many people are sitting between Q and O?

- (1) 4
  - (2) 2
  - (3) 3
  - (4) 5
  - (5) None of these
- 

### Question 167

Who among the following people is the wife of S?

- (1) T
  - (2) P
  - (3) O
  - (4) R
  - (5) None of these
-

### Question 168

Who among the following people is sitting second to the right of R?

- (1) U
  - (2) S
  - (3) O
  - (4) P
  - (5) None of these
- 

### Question 169

Four of the following five are alike in a certain way and thus form a group. Which of the following one does not belong to that group?

- (1) U, S
  - (2) Q, R
  - (3) U, T
  - (4) P, R
  - (5) O, Q
- 

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

Fourteen people sit in two parallel rows, which have seven seats in each row. There is equal distance between the adjacent seats. In row 1 - H, I, J, K, L, M and N sit facing south while in row 2 - O, V, W, X, Y, Z and G sit facing north. Therefore each person in one row faces another person in the other row but not necessarily in the same order.

H does not face the person, who sits on adjacent seat of Y. K does not face O. Only one person sits between L and M who does not sit at any extreme ends. There are either two or five seats to the left of the person who faces L. M faces the person who sits on second to the left of W. Y does not sit on the seat adjacent to W. Z does not sit at any extreme ends. J sits on second to the right of the person who faces X. At least one person sits between L and J. M does not sit adjacent to N. Z sits third to the left of Y. V sits to the left of O. There is at least one seat between V and X. H sits to the left of I who does not sit to the right of K.

### Question 170

Who among the following people sits opposite to the person who sits immediate left of X?

- (1) J
- (2) K
- (3) H

- (4) N
  - (5) None of these
- 

#### Question 171

How many people are sitting between J and L?

- (1) 3
  - (2) 2
  - (3) 5
  - (4) 4
  - (5) None of these
- 

#### Question 172

As many people sit to the right of X is same as to the left of \_\_\_\_\_ .

- (1) N
  - (2) J
  - (3) K
  - (4) Y
  - (5) None of these
- 

#### Question 173

Who among the following people sits third to the right of I?

- (1) L
  - (2) Y
  - (3) H
  - (4) Z
  - (5) None of these
- 

#### Question 174

Four of the following five are alike in a certain way and thus form a group. Which of the following one does not belong to that group?

- (1) J
  - (2) H
  - (3) V
  - (4) W
  - (5) Z
-

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

Seven people – E, F, G, H, I, J and K like different fruits viz. - Grapes, Orange, Mango, Lemon, Kiwi, Cherry, Papaya. Each person was born in different countries viz. - Austria, Belize, Canada, Denmark, Egypt, Fiji, and Greece but not necessarily in the same order. The one who likes Papaya was born in Belize. Neither F nor J was born in Belize. G likes neither Papaya nor Lemon. H likes Cherry but was born neither in Egypt nor in Greece. K was born neither in Belize nor in Egypt. Either F or J likes Orange. The person who was born in Egypt likes neither Cherry nor Orange. Neither G nor J was born in Egypt. Neither I nor F likes Lemon. J was neither born in Canada nor in Denmark. The one who likes Lemon was born in Canada. E likes neither Grapes nor Lemon. The one who likes Grapes was born neither in Austria nor in Greece. Neither I nor J likes Grapes. The one who likes Kiwi was born in Denmark. Neither I nor G likes Kiwi. G neither likes Grapes nor was born in Greece. The one who likes Mango was not born in Fiji.

### Question 175

Who among the following People likes Kiwi?

- (1) Person was born in Fiji
  - (2) E
  - (3) Person who was born in Greece
  - (4) I
  - (5) None of these
- 

### Question 176

Who among the following people was born in Canada?

- (1) Person who likes Kiwi
  - (2) F
  - (3) Person who likes Mango
  - (4) K
  - (5) None of these
- 

### Question 177

J likes \_\_\_\_\_ and was born in \_\_\_\_\_ .

- (1) Orange, Greece
  - (2) Papaya, Belize
  - (3) Cherry, Fiji
  - (4) Mango, Austria
  - (5) None of these
-

### Question 178

Which of the following statement(s) is/are correct with respect to the final arrangement?

- (1) I likes Mango
  - (2) E was born in Egypt
  - (3) G likes Mango
  - (4) K does not like Lemon
  - (5) None of the above
- 

### Question 179

In a certain way if F is related to Austria, G is related to Fiji, then which of the following people is related to Canada?

- (1) E
  - (2) D
  - (3) G
  - (4) I
  - (5) J
- 

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

In a certain code language:

‘Coup Deluge Skirmish Uptick’ is coded as ‘ $\text{⌒⌒} \text{⬇} \text{⊕} > < ! \text{⊕} \text{⊃} \# * \text{⌒} \text{⬇} \text{⊕} > \text{⬇} \text{⊕} >$ ’

‘Spurt Truant Skirmish Vignette’ is coded as ‘ $\text{@} \text{⬇} \text{⊕} > \text{⬇} \text{⬇} \text{⬇} \text{⬇} \text{⌒⌒} \text{⬇} \text{⊕} > \% \$ \text{⌒} \text{⬇}$ ’

‘Truant Ostensibly Uptick’ is coded as ‘ $\text{⬇} \text{⬇} \text{⊕} > \text{^} \& \text{⌒} \text{⬇} \text{⊕} > \text{@} \text{⬇} \text{⊕} >$ ’

‘Vignette Deluge Coup Farcical’ is coded as ‘ $\% \$ \text{⌒} \text{⬇} \# * \text{⌒} \text{⬇} < ! \text{⊕} \text{⊃} ? > \text{⌒} \text{⬇}$ ’

### Question 180

What are the phrase for the codes ‘ $\text{⬇} \text{⬇} \text{⬇} \text{⬇} \text{⬇}$ ’  $\text{⌒⌒} \text{⬇} \text{⊕} >$ ’?

- (1) Vignette Deluge
  - (2) Coup Deluge
  - (3) Spurt Skirmish
  - (4) Truant Ostensibly
  - (5) None of these
- 

### Question 181

What are the codes for the phrase ‘Ostensibly Deluge Vignette’?

- (1)  $\% \$ \text{⌒} \text{⬇} \# * \text{⌒} \text{⬇} < ! \text{⊕} \text{⊃}$

- (2) @ ⚡ ⊕ > ⬤ ⚡ ⊕ > ⬤ ⚡ ⊕ > ⬤ ⚡ ⊕ >
- (3) < ! ⊕ > # \* ⊢ > ♀ ♂ ⊕ >
- (4) % \$ ⊢ > ^ & ⊢ > # \* ⊢ >
- (5) None of these
- 

### Question 182

What is the possible code for the words 'Hypocrisy'?

- (1) ⚡ + ⊕ >
- (2) ⚡ + @
- (3) ⬤ ⚡ ⬤
- (4) ? > ⊢ >
- (5) None of these
- 

### Question 183

What are the words for the codes '# \* ⊢ > ? > ⊢ >'

- (1) Skirmish, Truant
- (2) Farcical, Deluge
- (3) Truant, Farcical
- (4) Deluge, Uptick
- (5) None of these
- 

### Question 184

What is the code for the 'Uptick' ?

- (1) ? > ⊢ >
- (2) % \$ ⊢ >
- (3) ♀ ♂ ⊕ >
- (4) ⬤ ⚡ ⊕ >
- (5) None of these
- 

### Question 185

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

There are six boxes - A, B, C, D, E, and F kept one above another but not necessarily in the same order. How many boxes are kept below F?

**Statements:**

- I. Only one box is kept between E and F. Box F is kept below box B. Box D is kept above box F. The number of boxes that are kept above box D is the same as below box E.
- II. Only one box is kept between B and F. Neither box B nor box D is kept below box A. Box A is kept two boxes above the box which is kept three boxes below F.
- (1) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (2) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (3) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (4) If the data given in both statements I and II together are not sufficient to answer the question.
- (5) If the data in both statements I and II together are necessary to answer the question.

---

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

Eight people — E, F, G, H, I, J, K, and L — are seated in the linear row facing the north. They have different brand cars — Ford, Toyota, BMW, Kia, Audi, Hyundai, Tata, and Mahendra — but not necessarily in the same order. Only three people are seated to the right of the one who has a Hyundai car. Only two people are seated between the one who has a Hyundai and H. H and the one who has BMW cars are immediate neighbors. The number of people seated between the one who have Hyundai and BMW is the same as between I and K. I is seated either at the left or right end of the row. I and H are not immediate neighbors. The number of people seated to the left of K is the same as the number of people seated to the right of E. L, who has Mahendra, is seated to the right of E and is seated third to the right of G. Neither G nor J is seated at the end of the row. The one who has Audi is seated third to the left of the one who is seated immediately left of J. The number of people seated between F and the one who has Kia is the same as the number of people seated between J and I. Neither K nor I has a Toyota. The one who has a Ford is seated to the left of the one who has a Tata; at least two people are seated between them.

### Question 186

Who among the following people has a Ford car?

- (1) F
- (2) H
- (3) K
- (4) J
- (5) None of these
-

### Question 187

How many people are seated between F and the person who has Toyota?

- (1) 5
  - (2) 4
  - (3) 1
  - (4) 3
  - (5) None
- 

### Question 188

Who among the following people is seated third to the left of the person who has Tata?

- (1) Person who has Audi
  - (2) E
  - (3) Person who has Kia
  - (4) J
  - (5) None of these
- 

### Question 189

As many people to the right of J is same as to the left of the person \_\_\_\_\_ .

- (1) Who has BMW
  - (2) K
  - (3) Person who has Kia
  - (4) G
  - (5) None of these
- 

### Question 190

Four of the following five are alike in a certain way and thus form a group. Which of the following one does not belong to that group?

- (1) Person who has Kia
  - (2) E
  - (3) Person who has Toyota
  - (4) L
  - (5) Person who has BMW
-