

NET JUNE 2026-HISTORY- 1to 50

Comprehension: (1 -5)

The following table shows the headcount by gender: male, female, and transgender for five years from 2020 to 2024 for a locality, along with the total population of the locality and increase (+) or decrease (–) in the total population over the preceding year. Based on the data in the table, answer the questions that follow.

Year-wise Demographic Profile of the Population

Year	Number of Males	Number of Females	Number of Transgenders	Total Population	Increase (+) or Decrease (–) in Total Population over the Preceding Year
2020	32552	30193	–	63473	–
2021	35195	31258	–	–	+(3815)
2022	–	31571	1012	66461	–
2023	34698	–	1160	–	–(2212)
2024	35638	32967	1204	69809	–

The symbol '–' represents a missing value that can be computed, if required.

1) The average number of females in the locality during 2020 to 2024 is _____.

- (a) 30876
- (b) 31340
- (c) 32230
- (d) 33450

Correct Answer: (a) 30876

Explanation:

From the table, the number of females is directly given for all years except **2023**. Therefore, first we need to find the missing female population for 2023.

The total population in 2022 = **66,461**.

In 2023, the population **decreased by 2,212** compared with 2022.

Total population in 2023 = $66,461 - 2,212 = 64,249$

For 2023:

- Males = 34,698
- Transgenders = 1,160
- Total population = 64,249

Therefore,

$$\text{Females in 2023} = 64,249 - (34,698 + 1,160) = 64,249 - 35,858 = 28,391$$

Now, the female population from 2020 to 2024 is:

30,193, 31,258, 31,571, 28,391, 32,967

Hence,

$$\text{Average} = (30,193 + 31,258 + 31,571 + 28,391 + 32,967) / 5 = 154,380 / 5 = 30,876$$

Therefore, the **average number of females during 2020–2024 is 30,876.**

Hence, the correct answer is (a) 30876.

2) What was the number of Transgenders in 2020?

- (a) 528
- (b) 628
- (c) 728
- (d) 828

Correct Answer: (c) 728

Explanation:

From the table, the total population in **2020** was **63,473**.

The population consists of males, females, and transgenders.

Total Population = Males + Females + Transgenders

For 2020:

- Number of males = **32,552**
- Number of females = **30,193**
- Total population = **63,473**

Therefore,

$$\text{Transgenders} = 63,473 - (32,552 + 30,193)$$

First, add the male and female populations:

$$32,552 + 30,193 = 62,745$$

Now subtract this from the total population:

$$63,473 - 62,745 = 728$$

Thus, the **number of transgenders in 2020 was 728.**

Hence, the correct answer is (c) 728.

3) The number of Transgenders in 2021 is approximately _____ % more than those in 2020.

(a) 14.7

(b) 15.7

(c) 16.7

(d) 17.7

Correct Answer: (a) 14.7

Explanation:

First, find the transgender population in **2020**:

$$63473 - (32552 + 30193) = 728$$

So, Transgenders in 2020 = **728.**

The total population in 2021 increased by **3815** over 2020:

$$63473 + 3815 = 67288$$

Therefore, the transgender population in 2021 is:

$$67288 - (35195 + 31258) = 67288 - 66453 = 835$$

Now calculate the percentage increase from 2020 to 2021:

$$\text{Percentage increase} = [(835 - 728) / 728] \times 100 = (107 / 728) \times 100 \approx 14.7\%$$

Therefore, the number of transgenders in **2021 was approximately 14.7% more than in 2020.**

Hence, the correct answer is (a) 14.7.

4) The increase in the total population in 2024 over 2023 is _____.

(a) 5460

(b) 5560

(c) 5660

(d) 5760

Correct Answer: (b) 5560

Explanation:

From the table, the **total population in 2022 = 66,461.**

In 2023, the total population **decreased by 2,212** compared with 2022. Therefore,

Total population in 2023 = $66,461 - 2,212 = 64,249$

The total population in **2024 = 69,809.**

Therefore, the increase in population in 2024 over 2023 is:

Increase = $69,809 - 64,249 = 5,560$

Thus, the increase in the total population in 2024 over 2023 is **5,560.**

5) The number of females in 2023 is approximately _____ % of the number of females in 2021.

(a) 92.23

(b) 98.25

(c) 94.73

(d) 90.83

Correct Answer: (d) 90.83

Explanation:

From the table:

- Total population in 2022 = **66,461**
- Decrease in population in 2023 = **2,212**

Therefore, the total population in 2023 is:

$$66,461 - 2,212 = 64,249$$

In 2023:

- Males = **34,698**
- Transgenders = **1,160**

Hence, the number of females in 2023 is:

$$64,249 - (34,698 + 1,160) = 64,249 - 35,858 = 28,391$$

The number of females in 2021 = **31,258**.

Now, the required percentage is:

$$(28,391 / 31,258) \times 100 \approx 90.83\%$$

Therefore, the number of females in 2023 is **approximately 90.83% of the number of females in 2021**.

Hence, the correct answer is (d) 90.83.

6) Find the number that can replace question mark (?) in the series given below:

13, 15, 18, 23, 30, ?, 54, 71

(a) 39

(b) 41

(c) 43

(d) 37

Correct Answer: (b) 41

Explanation:

Consider the differences between consecutive terms:

$$15 - 13 = 2$$

$$18-15=3$$

$$23-18=5$$

$$30-23=7$$

The differences are consecutive **prime numbers**:

2, 3, 5, 7, 11, 13, 17

Therefore, the next term is obtained by adding **11** to 30:

$$30+11=41$$

Checking further:

$$41+13=54$$

$$54+17=71$$

Thus, the missing number is **41**.

7) Mean (μ) and Variance (σ^2) for four different Binomial distributions are given in A-D below. Determine the number of trials for each of these distributions and arrange them in ascending order.

A. $\mu=5, \sigma^2=4$

B. $\mu=5, \sigma^2=2.5$

C. $\mu=9, \sigma^2=6$

D. $\mu=12, \sigma^2=9$

(a) C, A, B, D

(b) A, D, C, B

(c) B, A, C, D

(d) D, A, C, B

Correct Answer: (c) B, A, C, D

Explanation:

For a binomial distribution,

$$\mu=np$$

and

$$\sigma^2 = npq = np(1-p)$$

Since $\mu = np$,

$$\sigma^2 = \mu(1-p)$$

Thus,

$$p = 1 - \sigma^2 / \mu$$

and the number of trials is:

$$n = \mu / p$$

Now calculate n for each distribution.

For **A**:

$$p = 1 - 4/5 = 1/5$$

$$n = 5 / (1/5) = 25$$

For **B**:

$$p = 1 - 2.5/5 = 1/2$$

$$n = 5 / (1/2) = 10$$

For **C**:

$$p = 1 - 6/9 = 1/3$$

$$n = 9 / (1/3) = 27$$

For **D**:

$$p = 1 - 9/12 = 1/4$$

$$n = 12 / (1/4) = 48$$

Therefore,

$$B(10) < A(25) < C(27) < D(48)$$

Hence, the ascending order of the number of trials is **B, A, C, D**.

Correct Answer: (c) B, A, C, D.

8) “All sparrows are birds. All sparrows are beautiful animals. Therefore all beautiful animals are birds.” Identify the fallacy committed in this argument.

(a) Illicit process of the minor term

(b) Illicit process of the major term

(c) Exclusive premises

(d) Existential fallacy

Correct Answer: (a) Illicit process of the minor term

Explanation:

The argument has the following structure:

- All sparrows are birds.
- All sparrows are beautiful animals.
- Therefore, all beautiful animals are birds.

Both premises are **affirmative propositions**, so they are **not exclusive premises**. More importantly, the conclusion distributes the term “**beautiful animals**”, although this term is not distributed in the premise “All sparrows are beautiful animals.”

Therefore, under the standard rules of categorical syllogism, the actual fallacy is **illicit process of the minor term (illicit minor)**.

9) In which of the following propositions the predicate term is distributed?

- A. All monkeys are primates.
- B. Some monkeys are primates.
- C. No monkeys are primates.
- D. Some monkeys are not primates.

Choose the correct answer from the options given below:

(a) A and B only

(b) B and C only

(c) C and D only

(d) A and C only

Correct Answer: (c) C and D only

Explanation:

In categorical propositions, distribution depends on the type of proposition:

- **A – Universal Affirmative:** “All S are P” → Subject is distributed, but predicate is **not distributed**.
 - **I – Particular Affirmative:** “Some S are P” → Neither subject nor predicate is **distributed**.
 - **E – Universal Negative:** “No S are P” → Both subject and predicate are **distributed**.
 - **O – Particular Negative:** “Some S are not P” → Subject is not distributed, but predicate is **distributed**.
-
- **A. All monkeys are primates** → Predicate not distributed.
 - **B. Some monkeys are primates** → Predicate not distributed.
 - **C. No monkeys are primates** → Predicate distributed.
 - **D. Some monkeys are not primates** → Predicate distributed.

Therefore, the predicate term is distributed in **C and D only**.

Hence, the correct answer is (c) C and D only.

10) Which of the following pairs of ICT acronyms and their expansions are correctly matched?

- A. USB – Universal Serial Board
- B. HDMI – High-Definition Multimedia Interface
- C. ROM – Read Only Memory
- D. PDF – Portable Document Format

Choose the correct answer from the options given below:

- (a) B, C and D only
- (b) A, C and D only
- (c) A and B only
- (d) A, B, C and D

Correct Answer: (a) B, C and D only

Explanation:

Let us check each acronym:

- **A. USB – Universal Serial Board** → Incorrect. USB stands for **Universal Serial Bus**, not Universal Serial Board.
- **B. HDMI – High-Definition Multimedia Interface** → Correct. It is an interface used to transmit digital audio and video signals.
- **C. ROM – Read Only Memory** → Correct. It refers to non-volatile memory that retains stored information even when power is switched off.

- **D. PDF – Portable Document Format** → Correct. It is a file format designed to present documents consistently across different devices and operating systems.

Therefore, **B, C and D are correctly matched**, while A is incorrectly matched.

Hence, the correct answer is (a) B, C and D only.

11) Match the LIST-I with LIST-II

LIST-I (Nature of Teaching)	LIST-II (Characteristics of Teaching)
A. Complex social process	I. Student-teacher together attain the objective
B. Interactive process	II. Student develops as an independent individual after education
C. Professional Activity	III. Influenced by social factors
D. Having various forms and style	IV. Teaching may be formal, informal or non-formal

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

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

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

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

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

Explanation:

The correct matching can be understood from the basic characteristics of teaching:

- **A. Complex social process** → **III. Influenced by social factors:** Teaching takes place within a social environment and is influenced by cultural, social and institutional factors.
- **B. Interactive process** → **I. Student-teacher together attain the objective:** Teaching involves continuous interaction and cooperation between the teacher and learners to achieve educational objectives.
- **C. Professional Activity** → **II. Student develops as an independent individual after education:** Professional teaching aims at the systematic development of learners so that they become capable and independent individuals.
- **D. Having various forms and style** → **IV. Teaching may be formal, informal or non-formal:** Teaching can occur through different modes and settings, including formal, informal and non-formal education.

Thus, the correct matching is:

A–III, B–I, C–II, D–IV

Hence, the correct answer is (d) A-III, B-I, C-II, D-IV.

12) Arrange the following pairs of data on cost price (CP) and selling price (SP) according to the gain (%) in ascending order:

- A. CP = ₹50; SP = ₹54
- B. CP = ₹150; SP = ₹180
- C. CP = ₹250; SP = ₹330
- D. CP = ₹300; SP = ₹375

(a) D, C, B, A

(b) C, D, B, A

(c) B, A, D, C

(d) A, B, D, C

Correct Answer: (d) A, B, D, C

Explanation:

The gain percentage is calculated using:

$$\text{Gain \%} = \left[\frac{(\text{SP} - \text{CP})}{\text{CP}} \right] \times 100$$

Now, calculate for each pair:

A:

$$\left[\frac{(54 - 50)}{50} \right] \times 100 = 8\%$$

B:

$$\left[\frac{(180 - 150)}{150} \right] \times 100 = 20\%$$

C:

$$\left[\frac{(330 - 250)}{250} \right] \times 100 = 32\%$$

D:

$$\left[\frac{(375 - 300)}{300} \right] \times 100 = 25\%$$

Therefore, in ascending order:

$$8\% < 20\% < 25\% < 32\%$$

$$A < B < D < C$$

Hence, the correct ascending order is **A, B, D, C**.

Correct Answer: (d) A, B, D, C.

13) Identify the correct order of (A-D) to fill in the missing terms in the paragraph given below.

A. _____ is a group of two or more interconnected computers.
_____ is the on-demand delivery of IT resources over the Internet.
_____ describes a network of physical objects with sensors and software that connect and exchange data.
_____ refers to the maximum rate at which data can be transferred over a network.

- A. IOT
- B. Network
- C. Cloud Computing
- D. Bandwidth

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

Correct Answer: (a) B, C, A, D

Explanation:

Each blank can be identified from its definition:

- **Network (B):** A group of two or more interconnected computers that communicate and share resources.
- **Cloud Computing (C):** The on-demand delivery of computing or IT resources over the Internet.
- **IoT (A):** The **Internet of Things** describes physical objects equipped with sensors and software that connect and exchange data over networks.
- **Bandwidth (D):** It refers to the maximum rate or capacity at which data can be transferred over a network.

Therefore, the correct sequence is:

B, C, A, D

Hence, the correct answer is (a) B, C, A, D.

14) Institute of National Importance is a status that may be conferred on a 'P' institution in 'Q' by an 'R'. Identify the correct option among the following as per order of P, Q and R.

- (a) Secondary education, India, Act of Parliament
- (b) Primary education, Asia, Act of UNESCO
- (c) Higher education, India, Act of Parliament
- (d) Higher education, Asia, Act of Parliament

Correct Answer: (c) Higher education, India, Act of Parliament

Explanation:

An **Institute of National Importance (INI)** is a status given to certain premier **higher education institutions in India** because of their significant role in developing highly skilled professionals and advancing education and research.

Such status is conferred through an **Act of Parliament**. Institutions such as IITs, NITs and AIIMS are examples of institutions that have been declared Institutes of National Importance under relevant parliamentary legislation.

Therefore:

- **P = Higher education**
- **Q = India**
- **R = Act of Parliament**

Hence, the correct combination is **Higher education, India, Act of Parliament**.

Correct Answer: (c) Higher education, India, Act of Parliament.

15) Which of the following is not a flexibility mechanism under Kyoto Protocol for reduction of Greenhouse gas emissions?

- (a) Joint Implementation Mechanism
- (b) International Emission Trading Mechanism
- (c) Clean Development Mechanism
- (d) Nationally Determined Contributions

Correct Answer: (d) Nationally Determined Contributions

Explanation:

The **Kyoto Protocol** introduced three major flexibility mechanisms to help countries meet their greenhouse-gas emission reduction commitments in a cost-effective manner:

- **Joint Implementation (JI):** Allows eligible countries with emission-reduction commitments to earn emission reduction units by investing in emission-reduction projects in other eligible countries.
- **International Emissions Trading (IET):** Allows countries with emission units to spare to trade them with countries that need additional units to meet their targets.
- **Clean Development Mechanism (CDM):** Allows emission-reduction projects in developing countries to generate certified emission reductions.

Nationally Determined Contributions (NDCs) are associated with the **Paris Agreement**, not one of the Kyoto Protocol's three flexibility mechanisms. NDCs represent the climate-action targets and commitments communicated by countries under the Paris framework.

Therefore, **Nationally Determined Contributions is not a flexibility mechanism under the Kyoto Protocol.**

Correct Answer: (d) Nationally Determined Contributions.

16) Match the LIST-I with LIST-II

LIST-I (Levels of measurement)	LIST-II (Examples)
A. Ratio	I. Education level (UG, PG), Satisfaction Rating (Low, Medium, High)
B. Ordinal	II. Height, Weight, Age (0 kg means no weight)
C. Interval	III. Gender (Male, Female), Hair color (Brown, Black)
D. Nominal	IV. Temperature in Celsius or Fahrenheit (0°C does not mean no heat)

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

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

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

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

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

Explanation:

The four levels of measurement are matched according to the nature of the data:

- **A. Ratio** → **II**: Height, weight and age have equal intervals and a **true zero**. For example, 0 kg indicates the absence of weight.
- **B. Ordinal** → **I**: Education level and satisfaction ratings can be placed in a meaningful **order or rank**, but the differences between categories are not necessarily equal.
- **C. Interval** → **IV**: Celsius and Fahrenheit temperatures have equal intervals, but **no true zero**. For example, 0°C does not mean the complete absence of heat.
- **D. Nominal** → **III**: Gender and hair colour represent **categories or labels** without any inherent ranking or numerical order.

Therefore, the correct matching is:

A-II, B-I, C-IV, D-III

Hence, the correct answer is (d) A-II, B-I, C-IV, D-III.

17) Arrange these Educational initiatives in chronological order:

- A. Kothari Commission
- B. Radhakrishnan Commission
- C. Ramamurti Committee
- D. Wardha Conference
- E. Mudaliar Commission

(a) C, B, D, E, A

(b) A, C, D, B, E

(c) B, C, A, D, E

(d) D, B, E, A, C

Correct Answer: (d) D, B, E, A, C

Explanation:

To arrange these educational initiatives chronologically, consider the year in which each was constituted or held:

- **Wardha Conference (D) – 1937**: It laid the foundation for the scheme of Basic Education, also known as Nai Talim.
- **Radhakrishnan Commission (B) – 1948**: The University Education Commission was appointed under Dr. S. Radhakrishnan to examine university education in India.
- **Mudaliar Commission (E) – 1952**: The Secondary Education Commission was established under Dr. A. Lakshmanaswami Mudaliar to recommend reforms in secondary education.
- **Kothari Commission (A) – 1964**: The Education Commission headed by D. S. Kothari examined different aspects of the Indian education system.

- **Ramamurti Committee (C) – 1990:** It was constituted to review the implementation of the National Policy on Education, 1986.

Therefore, the chronological order is:

D→B→E→A→C

Hence, the correct answer is (d) D, B, E, A, C.

18) Which of the following are “Regulating Services” obtained from ecosystem processes?

- A. Fuel, fodder and other raw materials
- B. Replenishment of natural aquifers
- C. Sea food and fishery
- D. Carbon sequestration by forests
- E. Control of soil erosion

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

Correct Answer: (b) B, D and E only

Explanation:

Ecosystem services are benefits that humans obtain from natural ecosystems. **Regulating services** are benefits resulting from the regulation of natural ecological processes.

- **A. Fuel, fodder and other raw materials** → These are **provisioning services**, as they provide physical products.
- **B. Replenishment of natural aquifers** → A **regulating service**, because ecosystems help regulate water flow and groundwater recharge.
- **C. Sea food and fishery** → A **provisioning service**, since it directly provides food.
- **D. Carbon sequestration by forests** → A **regulating service**, as forests absorb and store atmospheric carbon dioxide and contribute to climate regulation.
- **E. Control of soil erosion** → A **regulating service**, because vegetation and ecosystems help prevent soil loss and maintain land stability.

Therefore, the regulating services are **B, D and E only**.

Hence, the correct answer is (b) B, D and E only.

19) DOI is a unique identifier assigned to a published research article in APA (7th Ed) style of referencing. What does DOI stand for?

- (a) Document Organization Identifier
- (b) Digital Object Identifier
- (c) Data Organization Identifier
- (d) Digital Objective Identifier

Correct Answer: (b) Digital Object Identifier

Explanation:

A **DOI** is a permanent and unique identifier assigned to digital scholarly content such as journal articles, research papers, reports and other publications. It provides a persistent way to locate and identify a particular digital work even if its web location changes.

However, **DOI officially stands for “Digital Object Identifier,” not “Digital Objective Identifier.”**

Therefore, based on the options shown in the question, the technically correct answer is:

(b) Digital Object Identifier

20) Arrange the following greenhouse gases according to their atmospheric concentration (ppm) in ascending order.

- A. Methane
- B. Carbon dioxide
- C. Nitrous oxide
- D. Chlorofluorocarbons

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

Correct Answer: (d) D, C, A, B

Explanation:

The question asks for greenhouse gases to be arranged according to their **atmospheric concentration in ascending order**, meaning from the **lowest concentration to the highest concentration**.

In the atmosphere, their approximate relative concentrations are:

- **Chlorofluorocarbons (D)** → present in very small amounts, generally at **parts-per-billion (ppb)** levels.
- **Nitrous oxide (C)** → approximately **0.34 ppm**.
- **Methane (A)** → approximately **1.9–2.0 ppm**.
- **Carbon dioxide (B)** → above **400 ppm**, making it the most abundant among those listed.

Therefore, the ascending order is:

$D < C < A < B$

So, the scientifically correct sequence is **D, C, A, B**.

21) The Indian Council of Agricultural Research works towards improving

- A. Crops
- B. Gardens
- C. Fisheries
- D. Animals

Choose the correct answer from the options given below:

- (a) A, B & C only
- (b) B, C & D only
- (c) A, C & D only
- (d) A, B, C & D

Correct Answer: (d) A, B, C & D

Explanation:

The **Indian Council of Agricultural Research (ICAR)** is the apex organization responsible for coordinating agricultural research and education in India. Its activities cover several areas of agriculture and allied sciences.

- **A. Crops** – ICAR conducts research for improving crop varieties, productivity, quality and resistance to pests and diseases.
- **B. Gardens** – Horticultural research, including fruits, vegetables, flowers and plantation crops, forms an important part of ICAR's activities.

- **C. Fisheries** – ICAR also has dedicated institutes and research programmes for fisheries and aquaculture.
- **D. Animals** – ICAR works on animal sciences, including livestock breeding, nutrition, health and production.

Therefore, ICAR works towards improvement in all four listed areas: crops, gardens or horticulture, fisheries and animals.

22) Match the LIST-I with LIST-II

LIST-I (Protocol)	LIST-II (Common Use Case)
A. HTTP	I. Sharing/Transferring Files
B. FTP	II. Sending Emails
C. SMTP	III. Auto-assigning IP addresses
D. DHCP	IV. Accessing Websites

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

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

Explanation:

Each network protocol has a specific function:

- **HTTP → IV (Accessing Websites):** HTTP stands for **Hypertext Transfer Protocol** and is used for transferring web content between web servers and browsers.
- **FTP → I (Sharing/Transferring Files):** FTP stands for **File Transfer Protocol** and is designed to transfer files between computers over a network.
- **SMTP → II (Sending Emails):** SMTP stands for **Simple Mail Transfer Protocol** and is primarily used for sending email messages.
- **DHCP → III (Auto-assigning IP addresses):** DHCP stands for **Dynamic Host Configuration Protocol** and automatically provides IP addresses and other network configuration details to devices.

Therefore, the correct matching is:

A-IV, B-I, C-II, D-III

Hence, the correct answer is (d) A-IV, B-I, C-II, D-III.

23) Match LIST-I with LIST-II.

LIST-I (Model of communication)	LIST-II (Year of introduction)
A. Osgood's model	I. 1948
B. H. D. Lasswell's model	II. 1954
C. Theodore M. Newcomb's model	III. 1956
D. George Gerbner's model	IV. 1953

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

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

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

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

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

Explanation:

The standard year associations are:

A. Osgood-Schramm model → II. 1954

- **B. H. D. Lasswell's model → I. 1948**
- **C. Theodore M. Newcomb's ABX model → IV. 1953**
- **D. George Gerbner's model → III. 1956**
- **Therefore, the correct matching is A-II, B-I, C-IV, D-III.**

Hence, the correct answer is (b) A-II, B-I, C-IV, D-III.

24) In a certain language, if Z is coded as 52 and CAT is coded as 48, then how TALL shall be coded in that language?

(a) 96

(b) 90

(c) 45

(d) 95

Correct Answer: (b) 90

Explanation:

The coding is based on the **alphabetical positions of the letters**, and the sum is multiplied by 2.

For **Z**:

$$\begin{aligned} Z &= 26 \\ 26 \times 2 &= 52 \end{aligned}$$

For **CAT**:

$$\begin{aligned} C &= 3, A = 1, T = 20 \\ 3 + 1 + 20 &= 24 \\ 24 \times 2 &= 48 \end{aligned}$$

Therefore, for **TALL**:

$$\begin{aligned} T &= 20, A = 1, L = 12, L = 12 \\ 20 + 1 + 12 + 12 &= 45 \\ 45 \times 2 &= 90 \end{aligned}$$

Thus, **TALL** is coded as **90**.

Hence, the correct answer is (b) 90.

25) Which of the following are characteristics of predatory research publishers or journals?

- A. Lack of genuine peer review
- B. Aggressive solicitation
- C. Rapid publication promises
- D. Clear retraction policy

(a) A, B and C only

(b) B and D only

(c) C and D only

(d) A, B, C and D

Correct Answer: (a) A, B and C only

Explanation:

Predatory journals are publications that often prioritize **publication fees over genuine academic quality and research integrity**.

- **A. Lack of genuine peer review** → **Correct:** Predatory journals may conduct little or no proper peer review before accepting articles.
- **B. Aggressive solicitation** → **Correct:** They frequently send unsolicited emails encouraging researchers to submit manuscripts or join editorial boards.
- **C. Rapid publication promises** → **Correct:** They may promise unusually fast acceptance and publication without adequate review.
- **D. Clear retraction policy** → **Incorrect:** A clear and transparent retraction policy is a characteristic of a **responsible scholarly journal**, not a typical indicator of predatory publishing.

Therefore, **A, B and C** are characteristics associated with predatory research publishers/journals.

Hence, the correct answer is (a) A, B and C only.

26) Communication requires at least three elements:

- a. the source
- b. the message
- c. the destination

According to which of the following communication experts, the above statement is correct?

- (a) Wilbur Schramm
- (b) Marshall MacLuhan
- (c) Harold D. Lasswell
- (d) Dennis MacQuail

Correct Answer: (a) Wilbur Schramm

Explanation:

Wilbur Schramm described communication as requiring at least three elements: a source, a message and a destination.

The source originates the communication, the message is the content being communicated, and the destination is the person or audience receiving it.

Therefore, the statement is associated with Wilbur Schramm.

- **Hence, the correct answer is (a) Wilbur Schramm.**

27) Identify the correct order of the steps (A-E) involved in a research process.

- A. Collecting data for study
- B. Defining the research question
- C. Choosing a topic
- D. Conducting a literature review
- E. Creating a research design

(a) D, C, B, E, A

(b) C, B, D, E, A

(c) C, D, B, E, A

(d) D, A, E, C, B

Correct Answer: (b) C, B, D, E, A

Explanation:

A research process normally begins by selecting a broad topic and then defining a focused research question.

C. Choosing a topic – Select and delimit the broad area to be studied.

B. Defining the research question – Formulate the specific problem or question within the chosen topic.

- **D. Conducting a literature review – Examine earlier research and refine the study's conceptual basis.**
- **E. Creating a research design – Plan the methods, sampling and procedures.**
- **A. Collecting data for study – Gather data according to the research design.**
- **Therefore, the correct sequence is C, B, D, E, A.**
- **Hence, the correct answer is (b) C, B, D, E, A.**

28) Measures that can solve many general problems in a classroom are

- A. Reinforcing good behavior
- B. Teacher centered classroom rules
- C. Conducting cooperative learning strategies
- D. Discontinuous communication with parents

(a) B & D only

(b) A & C only

(c) A & D only

(d) B & C only

Correct Answer: (b) A & C only

Explanation:

Effective classroom management involves strategies that promote positive behaviour, active participation and cooperation among students.

- **A. Reinforcing good behavior** → **Correct:** Appreciating and rewarding desirable behaviour encourages students to repeat positive actions and helps reduce behavioural problems.
- **B. Teacher centered classroom rules** → **Incorrect:** Rules that are entirely teacher-centred may restrict student participation. Effective classroom management generally encourages clear, fair and participatory rules.
- **C. Conducting cooperative learning strategies** → **Correct:** Cooperative learning encourages students to work together, improves interaction, develops teamwork and helps address many classroom learning and behavioural issues.
- **D. Discontinuous communication with parents** → **Incorrect:** Regular communication with parents is important for addressing students' academic and behavioural concerns. Discontinuous communication is therefore not an effective measure.

Thus, **reinforcing good behavior and conducting cooperative learning strategies** are appropriate measures for solving many general classroom problems.

Hence, the correct answer is (b) A & C only.

29) According to Harold D. Lasswell, what is the correct and convenient way to describe an act of communication?

- A. To whom
- B. Who, says what
- C. With what effect
- D. In which channel
- E. Under what circumstances

(a) A and E only

(b) C, D and E only

(c) B, D, A and C only

(d) A, C and E only

Correct Answer: (c) B, D, A and C only

Explanation:

Harold D. Lasswell described the communication process through his famous communication formula:

Who→Says What→In Which Channel→To Whom→With What Effect

Accordingly:

- **B. Who, says what** → identifies the communicator and the message.
- **D. In which channel** → identifies the medium through which the message is transmitted.
- **A. To whom** → identifies the receiver or audience.
- **C. With what effect** → identifies the outcome or impact of communication.
- **E. Under what circumstances** → is **not part of Lasswell's standard communication formula**.

Therefore, the correct components are **B, D, A and C only**.

Hence, the correct answer is (c) B, D, A and C only.

30) Match the LIST-I with LIST-II

LIST-I (International Efforts)	LIST-II (Year)
A. The Biodiversity Convention	I. 1989
B. Montreal Protocol	II. 2015
C. Paris Agreement on Climate Change	III. 1992
D. Basel Convention	IV. 1987

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

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

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

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

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

Explanation:

The correct years associated with these international environmental agreements are:

- **The Biodiversity Convention → 1992 (III):** The Convention on Biological Diversity was opened for signature at the 1992 Rio Earth Summit.
- **Montreal Protocol → 1987 (IV):** It was adopted to protect the ozone layer by controlling ozone-depleting substances.
- **Paris Agreement on Climate Change → 2015 (II):** It was adopted under the UNFCCC to strengthen global action against climate change.

- **Basel Convention → 1989 (I):** It was adopted to regulate the transboundary movement and disposal of hazardous wastes.

Therefore, the correct matching is:

A–III, B–IV, C–II, D–I

This corresponds to **option (d)**.

31) In the context of Information Technology, which of the following statements A-D are true?

- A. A Wireless Access Point (WAP) allows devices with Wi-Fi connectivity to connect to a wired network.
- B. A search engine provides users with a way to find information in web pages stored on web server.
- C. WLAN stands for Wired Local Area Network.
- D. An EXCEL workbook may contain multiple worksheets.

- (a) A, B and C only
- (b) A, B and D only
- (c) C and D only
- (d) A, B, C and D

Correct Answer: (b) A, B and D only

Explanation:

Let us examine each statement:

- **A → True:** A Wireless Access Point (WAP) enables Wi-Fi-enabled devices to connect to a wired network.
- **B → True:** A search engine helps users locate information available on web pages by searching its indexed information.
- **C → False:** WLAN stands for **Wireless Local Area Network**, not Wired Local Area Network.
- **D → True:** A Microsoft Excel workbook can contain multiple worksheets within a single file.

Therefore, the true statements are:

A, B, D

So, based on standard Information Technology terminology, the correct answer should be **(b) A, B and D only**.

32) Match the LIST-I with LIST-II

LIST-I (Research organization)	LIST-II (Year of establishment)
A. Indian Institute of Science	I. 1931
B. Indian Statistical Institute	II. 1911
C. Raman Research Institute	III. 1909
D. Indian Council of Medical Research	IV. 1948

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

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

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

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

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

Explanation:

Indian Institute of Science (A) was established in 1909 (III).

- **Indian Statistical Institute (B) was founded in 1931 (I).**
- **Raman Research Institute (C) was founded in 1948 (IV).**
- **The predecessor of the Indian Council of Medical Research (D), the Indian Research Fund Association, was established in 1911 (II).**
- **Therefore, the correct matching is A-III, B-I, C-IV, D-II.**

Hence, the correct answer is (d) A-III, B-I, C-IV, D-II.

33) According to Pedaste, what is the correct sequence of the various stages of Inquiry Based Instruction?

- A. Investigation
- B. Discussion
- C. Conclusion
- D. Orientation
- E. Conceptualization

(a) B, C, A, D, E

(b) D, E, A, C, B

(c) A, B, C, D, E

(d) C, D, E, B, A

Correct Answer: (b) D, E, A, C, B

Explanation:

According to **Pedaste et al.**, the inquiry-based learning framework consists of five major phases:

1. **Orientation** – Learners become interested in the topic and identify the problem.
2. **Conceptualization** – Research questions or hypotheses are formulated.
3. **Investigation** – Learners explore, experiment and collect relevant data.
4. **Conclusion** – Findings are interpreted and conclusions are drawn.
5. **Discussion** – Learners communicate and reflect on the inquiry process and its results.

Thus, the standard sequence is:

$D \rightarrow E \rightarrow A \rightarrow C \rightarrow B$

Therefore, based on the established Pedaste inquiry cycle, the correct answer is **(b) D, E, A, C, B**.

34) John McCarthy is widely recognized as a founding “Father of Artificial Intelligence (AI)” because he

- (a) Formally established the field's identity by coining the term “AI” in his 1955 proposal for a conference that took place in 1956.
- (b) Won the Nobel Prize for Computer Science.
- (c) Provided the conceptual blueprint for modern, general-purpose computers well before they were physically constructed.
- (d) Invented the fundamental technologies that allow us to navigate the Internet today.

Correct Answer: (a) Formally established the field's identity by coining the term “AI” in his 1955 proposal for a conference that took place in 1956.

Explanation:

John McCarthy is regarded as one of the founding figures of Artificial Intelligence because he **coined the term “Artificial Intelligence”** in a 1955 proposal for the **Dartmouth Summer Research Project on Artificial Intelligence**, which was held in 1956.

The Dartmouth workshop became a landmark event in the history of AI because it helped establish Artificial Intelligence as a distinct field of scientific research.

The other statements are incorrect. McCarthy did not win a Nobel Prize for Computer Science, nor was he primarily responsible for the conceptual design of general-purpose computers or the fundamental technologies of Internet navigation.

Therefore, his recognition as a founding father of AI is closely associated with **coining the term “Artificial Intelligence” and helping establish AI as a formal field of study.**

Hence, the correct answer is (a) Formally established the field's identity by coining the term “AI” in his 1955 proposal for a conference that took place in 1956.

35) “Ice is hot, because it is a substance.” According to Nyāya school, which fallacy is involved in the above statement?

- (a) Svarūpāsiddha
- (b) Bādhita
- (c) Viruddha
- (d) Asādhāraṇa

Correct Answer: (b) Bādhita

Explanation:

In Nyāya logic, Bādhita is a fallacy in which the conclusion is contradicted or sublated by another valid source of knowledge, especially direct perception.

The proposition 'Ice is hot' is immediately contradicted by tactile perception, which establishes that ice is cold.

- **This differs from Viruddha, where the reason itself proves the opposite of the intended conclusion.**
- **Therefore, the fallacy is Bādhita.**

Hence, the correct answer is (b) Bādhita.

36) Which of the following is/are correct?

- A. Average of the first n natural numbers = $(n + 1) / 3$
- B. Average of n consecutive natural numbers = $n + 1$
- C. Average of squares of first n natural numbers = $(n+1)(2n+1)/6$

D. Average of the first n even numbers = $(\text{last even number} + 2) / 2$

(a) A and B only

(b) A, B and C only

(c) C and D only

(d) B, C and D only

Correct Answer: (c) C and D only

Explanation:

Let us verify each statement:

- **A $\rightarrow$ Incorrect.** The average of 1, 2, 3, ..., n is $(n + 1) / 2$, not $(n + 1) / 3$.

B $\rightarrow$ Incorrect. The average of consecutive natural numbers is $(\text{first term} + \text{last term}) / 2$; it is not always $n + 1$.

C $\rightarrow$ Correct. Since $1^2 + 2^2 + \dots + n^2 = n(n + 1)(2n + 1) / 6$, dividing by n gives $(n + 1)(2n + 1) / 6$.

- **D $\rightarrow$ Correct.** For 2, 4, 6, ..., $2n$, the average is $(2 + 2n) / 2 = (\text{last even number} + 2) / 2$.

Therefore, only C and D are correct.

Hence, the correct answer is (c) C and D only.

37) "With all of the hysteria and all of the phony science, could it be that man-made global warming is the greatest hoax ever perpetrated on human beings." Which fallacy is involved in the above statement?

(a) Begging the question

(b) Complex question

(c) Red Herring

(d) False Cause

Correct Answer: (b) Complex question

Explanation:

A **complex question fallacy** occurs when a question contains an assumption that has not already been established as true. It is framed in such a way that answering the question may indirectly accept the hidden assumption.

In the given statement, expressions such as “**hysteria**,” “**phony science**,” and “**greatest hoax**” are built into the question without first establishing that the science is phony or that global warming is a hoax. Thus, the question contains **loaded and unproven assumptions**.

Therefore, the statement commits the **complex question fallacy**, also commonly called a **loaded question fallacy**.

Hence, the correct answer is (b) Complex question.

38) As per Classical Indian school of logic (Nyāya) arrange the following statements in sequence, as per its view of inference (anumāna).

- A. Socrates is a man who is invariably a mortal.
- B. Therefore Socrates is a mortal.
- C. Whoever is a man is a mortal, e.g., Plato.
- D. Socrates is mortal.
- E. Because he is a man.

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

Correct Answer: (b) D, E, C, A, B

Explanation:

Nyāya inference uses five members in this order: Pratijñā, Hetu, Udāharaṇa, Upanaya and Nigamana.

D. Socrates is mortal – Pratijñā, the proposition to be proved.

1. **E. Because he is a man – Hetu, the reason.**
2. **C. Whoever is a man is mortal, for example Plato – Udāharaṇa, the universal rule with an example.**
3. **A. Socrates is a man who is invariably mortal – Upanaya, application of the rule to the subject.**
4. **B. Therefore, Socrates is mortal – Nigamana, the conclusion.**
5. **Thus, the correct sequence is D, E, C, A, B.**

Hence, the correct answer is (b) D, E, C, A, B.

39) The functions of the National Educational Technology Forum include:

- (a) Funding start ups in technology and science
- (b) Building institutional capacities in educational technology
- (c) Developing AI based systems
- (d) Setting up technology laboratories in institutions

Correct Answer: (b) Building institutional capacities in educational technology

Explanation:

The **National Educational Technology Forum (NETF)** was proposed under the **National Education Policy (NEP) 2020** to facilitate the effective use of technology in education.

One of its important functions is to support and strengthen **institutional capacities in educational technology**. NETF provides a platform for the exchange of ideas, research, best practices and evidence-based advice regarding the use of technology for teaching, learning, assessment, planning and administration.

NETF itself is not primarily intended to **fund technology start-ups, directly develop AI systems, or establish technology laboratories** in institutions. Its role is mainly to facilitate knowledge sharing, capacity building and informed decision-making regarding educational technology.

Hence, the correct answer is **(b) Building institutional capacities in educational technology**.

40) In a group of 50 students and 15 teachers, each student gets some bananas equal to 10% of the total number of students in the group. Each teacher also gets some bananas equal to 8% of the total number of students. Find the total number of bananas distributed among students and teachers.

- (a) 280
- (b) 310
- (c) 300
- (d) 290

Correct Answer: (b) 310

Explanation:

There are **50 students** and **15 teachers**.

Each student gets bananas equal to **10% of 50 students**:

$$10\% \text{ of } 50 = (10/100) \times 50 = 5$$

So, bananas distributed among 50 students:

$$50 \times 5 = 250$$

Each teacher gets bananas equal to **8% of 50 students**:

$$8\% \text{ of } 50 = (8/100) \times 50 = 4$$

So, bananas distributed among 15 teachers:

$$15 \times 4 = 60$$

Therefore, the total number of bananas distributed is:

$$250 + 60 = 310$$

Thus, **310 bananas** are distributed among the students and teachers.

Hence, the correct answer is (b) 310.

41) Arrange the following communication events, chronologically, according to their year of starting.

- A. Beginning of first soap opera Hum Log in India
- B. The Gulf coverage by CNN in India
- C. The beginning of Satellite Instructional Television Experiment (SITE) in India
- D. Beginning of Television in India

(a) A, B, C, D

(b) D, C, A, B

(c) D, C, B, A

(d) C, D, B, A

Correct Answer: (b) D, C, A, B

Explanation:

The major communication events can be placed chronologically by their starting years:

- **D. Beginning of Television in India – 1959:** Experimental television broadcasting began in Delhi in September 1959.
- **C. SITE – 1975:** The Satellite Instructional Television Experiment was conducted in India during 1975–76.
- **A. Hum Log – 1984:** *Hum Log*, regarded as India's first television soap opera, began telecast in 1984.
- **B. Gulf War coverage by CNN – 1991:** CNN's live coverage of the Gulf War became a landmark in international television news.

Thus, the actual chronological order is:

D→C→A→B

42) Implementation of the project strategy follows the following sequence of steps.

- A. Execution of the Project
- B. Choosing and proposing of the project
- C. Planning of the project
- D. Recording of the project
- E. Evaluation of the project

(a) B, C, A, E, D

(b) C, B, D, A, E

(c) A, C, B, D, E

(d) C, B, A, D, E

Correct Answer: (a) B, C, A, E, D

Explanation:

In the project method, learners first choose and propose the project and then plan how it will be carried out.

B. Choosing and proposing the project – Select and define a purposeful project.

C. Planning the project – Decide the activities, responsibilities and resources.

- **A. Execution of the project – Carry out the planned work.**
- **E. Evaluation of the project – Assess the process and the results.**
- **D. Recording of the project – Prepare the final record of the work and outcomes.**
- **Therefore, the sequence is B, C, A, E, D.**
- **Hence, the correct answer is (a) B, C, A, E, D.**

43) Hearing threshold for an ideally healthy person is

- (a) 0 dB
- (b) 1 dB
- (c) 10 dB
- (d) 20 dB

Correct Answer: (a) 0 dB

Explanation:

The threshold of hearing is the minimum sound level detectable by a young, healthy human ear under ideal conditions.

It is conventionally defined as 0 dB at the reference frequency, although normal clinical hearing may extend up to about 20 dB HL.

Therefore, the hearing threshold for an ideally healthy person is 0 dB.

Hence, the correct answer is (a) 0 dB.

44) The process of learner-centered assessment involves ____.

- (a) Learner-centered assessment related to teaching objectives
- (b) Multiple data sources
- (c) Passive involvement of learners in assessment process
- (d) Single model of learner-centered assessment

Correct Answer: (b) Multiple data sources

Explanation:

Learner-centered assessment uses multiple sources of evidence, such as teacher observations, learner self-assessment, peer feedback, portfolios, projects and tests.

Using varied data provides a more complete picture of learning and supports individualized feedback. Learners participate actively, so passive involvement and a single fixed model are inconsistent with the approach.

Therefore, the process involves multiple data sources.

Hence, the correct answer is (b) Multiple data sources.

45) Who coined the term "Agenda Setting Theory" of mass communication?

- (a) Barelson and Gaudel
- (b) L.A. Festinger and Bittner
- (c) Maxwell McCombs and Donald L. Shaw
- (d) Melvin De Fleur and Sandra Ball-Rokeach

Correct Answer: (c) Maxwell McCombs and Donald L. Shaw

Explanation:

The **Agenda Setting Theory** of mass communication was developed by **Maxwell McCombs and Donald L. Shaw**. They introduced the theory through their study of the **1968 U.S. presidential election**, commonly known as the **Chapel Hill study**.

The theory explains that mass media may not directly tell people **what to think**, but it significantly influences **what to think about**. By repeatedly giving prominence to certain issues, the media can make those issues appear more important to the public.

Thus, the media's emphasis on particular topics helps shape the **public agenda** and determines which issues receive greater public attention.

Hence, the correct answer is (c) Maxwell McCombs and Donald L. Shaw.

Comprehension:

Read the passage given below and answer the questions that follow:

Creativity is a driver of youthful discovery and expression - but it becomes stifled in deference to proficiencies that are more easily measured and tested. This sidelining of creative learning may reflect larger societal trends. Teachers typically prefer the well-behaved student to the creative one, who is often perceived as rocking the boat. A recent poll found that most Americans want children to have respect for elders over independence, good manners over curiosity, and would prefer them to be well behaved rather than creative.

If we want a bright future for our children, we need to recalibrate our priorities. At the speed the world is changing, the old playbooks for living and working will inevitably be supplanted - and we need to prepare our children to author the new ones. The same cognitive software running in the minds of the NASA engineers and Picasso runs in the minds of every young, but it needs to be cultivated. A balanced education nurtures skills and imagination. That kind of education will pay off decades after students throw their mortarboards in the air and step into a world that we, their parents, can barely foresee.

46) 'Rocking the boat' means the same as

- (a) Drowning in the water
- (b) Not driving well
- (c) Following the rules
- (d) Disturbing the system

Correct Answer: (d) Disturbing the system

Explanation:

The phrase “**rocking the boat**” is an idiomatic expression that means **causing trouble, challenging an established situation, or disturbing the existing system.**

In the passage, creative students are described as being perceived as “rocking the boat” because they may question conventional ideas, think differently, and challenge established practices rather than simply conforming.

Therefore, the meaning that best fits the context is “**disturbing the system.**”

47) A balanced education will nurture

- (a) Creativity and good behaviour
- (b) Curiosity and success
- (c) Skills and imagination
- (d) Respect and behaviour

Correct Answer: (c) Skills and imagination

Explanation:

The passage directly states that “**A balanced education nurtures skills and imagination.**” Therefore, a balanced education should not focus only on measurable academic abilities; it should also encourage creativity, imagination, and independent thinking.

The author emphasizes that children need both **practical skills** and the **imagination to develop new ideas** so that they can adapt to a rapidly changing world. Such an education prepares students not merely for present requirements but also for future challenges that cannot yet be fully predicted.

Therefore, according to the passage, a balanced education nurtures **skills and imagination.**

Hence, the correct answer is (c) Skills and imagination.

48) When creative learning is stifled, it means that

- (a) Well-behaved children are more welcome than creative ones
- (b) Successful children are more welcome than good ones
- (c) Curious children are more welcome than good-mannered ones
- (d) Independence is preferred over respect for older people

Correct Answer: (a) Well-behaved children are more welcome than creative ones

Explanation:

The passage explains that **creative learning becomes stifled when creativity is given less importance than conventional behaviour and easily measurable abilities.**

It specifically states that teachers typically prefer a **well-behaved student to a creative one.** It also mentions that people tend to prefer **respect for elders over independence, good manners over curiosity, and good behaviour over creativity.**

Thus, when creative learning is stifled, creative thinking and expression are discouraged, while conformity and good behaviour receive greater preference.

Therefore, **well-behaved children are more welcome than creative ones.**

Hence, the correct answer is (a) Well-behaved children are more welcome than creative ones.

49) In the passage, the word 'supplanted' can be replaced by the word

- (a) Revised
- (b) Replaced
- (c) Reviewed
- (d) Remembered

Correct Answer: (b) Replaced

Explanation:

The word “**supplanted**” means **replaced or substituted by something else**, especially when something new takes the place of something older.

In the passage, the sentence states that:

“the old playbooks for living and working will inevitably be supplanted”

This means that, as the world changes rapidly, the **old ways of living and working will be replaced by new ways**.

Among the given options, “**replaced**” conveys the exact meaning of “supplanted.” The words *revised*, *reviewed*, and *remembered* do not indicate that one thing has taken the place of another.

Hence, the correct answer is (b) Replaced.

50) According to the passage, creativity inspires the youth to

- (a) Express and discover
- (b) Disobey and misbehave
- (c) Rebel and quarrel
- (d) Disturb and fight

Correct Answer: (a) Express and discover

Explanation:

The passage begins by stating that “**Creativity is a driver of youthful discovery and expression.**” This clearly indicates that creativity encourages young people to **discover new ideas and express their thoughts and imagination**.

Creativity helps children explore possibilities, develop original ideas, think independently, and communicate their thoughts in innovative ways. The passage emphasizes the importance of nurturing these abilities rather than suppressing them in favour of only good behaviour and easily measurable skills.

The other options, such as *disobey and misbehave*, *rebel and quarrel*, and *disturb and fight*, do not represent the meaning of creativity described in the passage.

Hence, the correct answer is (a) Express and discover.