

MANIPUR PUBLIC SERVICE COMMISSION

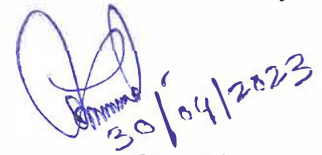
NOTIFICATION Imphal, the 30th April, 2023

No. 7/10/2022-MPSC (DR): It is hereby informed to all candidates for Manipur Civil Services Combined Competitive (Preliminary) Examination, 2022 held on 30th April, 2023 that claims and objections to the answer key (Annexure-I to VIII) may be submitted from 5th May, 2023 till 5:00 p.m. of 10th May, 2023 after which the weblink will be disabled.

2. The weblink to submit claims and objections to the notified answer key is <https://empsconline.gov.in/CandidateCentre/ViewQues.aspx>. No other form of submission of claims will be entertained apart through the weblink provided by the Commission.

3. Regardless of the Question Booklet Series given to you during examination, you can submit claims & objections to the answer keys only as per the question number given in the Specimen Question Booklet uploaded on the Commission's Website and enclosed as Annexure-IX (Paper-I) and Annexure-X (Paper-II).

4. Instructions to submit claims and objections to the notified Answer Keys is enclosed as Annexure-XI



(Kh. Lalmani Singh)
Controller of Examination,
Manipur Public Service Commission

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ANNEXURE-I

Provisional Answer Key	
GENERAL STUDIES (PAPER-I)	
Held on 30-04-2023	
Series 'A'	

Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	C	26	B	51	C	76	D
2	D	27	C	52	C	77	D
3	A	28	D	53	C	78	A
4	B	29	B	54	B	79	C
5	B	30	D	55	C	80	D
6	D	31	B	56	C	81	D
7	B	32	A	57	C	82	D
8	C	33	B	58	B	83	C
9	C	34	C	59	A	84	D
10	D	35	B	60	D	85	C
11	B	36	B	61	A	86	D
12	A	37	D	62	B	87	C
13	D	38	B	63	D	88	C
14	C	39	A	64	D	89	B
15	C	40	A	65	B	90	C
16	B	41	A	66	C	91	D
17	A	42	B	67	B	92	B
18	A	43	C	68	D	93	D
19	D	44	B	69	D	94	A
20	C	45	A	70	C	95	D
21	C	46	B	71	C	96	D
22	B	47	B	72	B	97	D
23	B	48	D	73	A	98	C
24	D	49	C	74	D	99	C
25	B	50	A	75	B	100	A

ANNEXURE-II

Provisional Answer Key	
GENERAL STUDIES (PAPER-I)	
Held on 30-04-2023	
Series 'B'	

Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	C	26	C	51	B	76	B
2	D	27	C	52	C	77	A
3	C	28	D	53	B	78	D
4	D	29	B	54	B	79	A
5	C	30	A	55	D	80	B
6	C	31	D	56	B	81	D
7	B	32	C	57	A	82	D
8	C	33	C	58	A	83	B
9	D	34	B	59	A	84	C
10	B	35	A	60	B	85	B
11	D	36	A	61	C	86	D
12	A	37	D	62	B	87	D
13	D	38	C	63	A	88	C
14	D	39	C	64	B	89	C
15	D	40	B	65	B	90	B
16	C	41	B	66	D	91	A
17	C	42	D	67	C	92	D
18	A	43	B	68	A	93	B
19	C	44	B	69	C	94	D
20	D	45	C	70	C	95	D
21	A	46	D	71	C	96	A
22	B	47	B	72	B	97	C
23	B	48	D	73	C	98	D
24	D	49	B	74	C	99	D
25	B	50	A	75	C	100	D

ANNEXURE-III

Provisional Answer Key	
GENERAL STUDIES (PAPER-I)	
Held on 30-04-2023	
Series 'C'	

Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	A	26	B	51	A	76	B
2	C	27	D	52	C	77	B
3	C	28	D	53	D	78	C
4	C	29	A	54	A	79	D
5	B	30	C	55	B	80	B
6	C	31	D	56	B	81	D
7	C	32	D	57	D	82	B
8	C	33	D	58	B	83	A
9	B	34	C	59	C	84	B
10	A	35	D	60	C	85	C
11	D	36	C	61	D	86	B
12	A	37	D	62	B	87	B
13	B	38	C	63	A	88	D
14	D	39	C	64	D	89	B
15	D	40	B	65	C	90	A
16	B	41	C	66	C	91	A
17	C	42	D	67	B	92	A
18	B	43	B	68	A	93	B
19	D	44	D	69	A	94	C
20	D	45	A	70	D	95	B
21	C	46	D	71	C	96	A
22	C	47	D	72	C	97	B
23	B	48	D	73	B	98	B
24	A	49	C	74	B	99	D
25	D	50	C	75	D	100	C

ANNEXURE-IV

Provisional Answer Key	
GENERAL STUDIES (PAPER-I)	
Held on 30-04-2023	
Series 'D'	

Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	D	26	C	51	D	76	C
2	B	27	A	52	B	77	A
3	B	28	C	53	D	78	C
4	C	29	C	54	D	79	D
5	D	30	C	55	A	80	A
6	B	31	B	56	C	81	B
7	D	32	C	57	D	82	B
8	B	33	C	58	D	83	D
9	A	34	C	59	D	84	B
10	B	35	B	60	C	85	C
11	C	36	A	61	D	86	C
12	B	37	D	62	C	87	D
13	B	38	A	63	D	88	B
14	D	39	B	64	C	89	A
15	B	40	D	65	C	90	D
16	A	41	D	66	B	91	C
17	A	42	B	67	C	92	C
18	A	43	C	68	D	93	B
19	B	44	B	69	B	94	A
20	C	45	D	70	D	95	A
21	B	46	D	71	A	96	D
22	A	47	C	72	D	97	C
23	B	48	C	73	D	98	C
24	B	49	B	74	D	99	B
25	D	50	A	75	C	100	B

ANNEXURE-V

Provisional Answer Key	
GENERAL STUDIES (PAPER-II)	
Held on 30-04-2023	
Series 'A'	

Q.No .	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	B	26	A	51	D	76	D
2	C	27	D	52	B	77	A
3	D	28	B	53	C	78	D
4	D	29	B	54	B	79	D
5	C	30	A	55	C	80	C
6	D	31	C	56	B		
7	B	32	D	57	D		
8	D	33	B	58	A		
9	D	34	C	59	C		
10	A	35	B	60	A		
11	D	36	C	61	A		
12	C	37	C	62	C		
13	D	38	B	63	C		
14	C	39	C	64	C		
15	A	40	D	65	D		
16	D	41	B	66	D		
17	B	42	D	67	D		
18	A	43	A	68	B		
19	C	44	C	69	B		
20	B	45	B	70	C		
21	C	46	A	71	B		
22	D	47	B	72	B		
23	B	48	D	73	D		
24	B	49	C	74	A		
25	C	50	A	75	B		

ANNEXURE-VI

Provisional Answer Key	
GENERAL STUDIES (PAPER-II)	
Held on 30-04-2023	
Series 'B'	

Q.No.	Ans	Q. No .	Ans	Q.No.	Ans	Q.No.	Ans
1	C	26	B	51	D	76	D
2	C	27	D	52	B	77	A
3	C	28	D	53	C	78	C
4	D	29	A	54	B	79	A
5	D	30	D	55	C	80	A
6	D	31	C	56	C		
7	B	32	D	57	B		
8	B	33	C	58	C		
9	C	34	A	59	D		
10	B	35	D	60	B		
11	B	36	B	61	D		
12	D	37	A	62	A		
13	A	38	C	63	C		
14	B	39	B	64	B		
15	D	40	C	65	A		
16	A	41	D	66	B		
17	D	42	B	67	D		
18	D	43	B	68	C		
19	C	44	C	69	A		
20	B	45	A	70	D		
21	C	46	D	71	B		
22	D	47	B	72	C		
23	D	48	B	73	B		
24	C	49	A	74	C		
25	D	50	C	75	B		

ANNEXURE-VII

Provisional Answer Key	
GENERAL STUDIES (PAPER-II)	
Held on 30-04-2023	
Series 'C'	

Q.No.	Ans	Q. No".	Ans	Q.No.	Ans	Q.No.	Ans
1	B	26	B	51	B	76	D
2	D	27	D	52	A	77	A
3	C	28	A	53	C	78	C
4	A	29	B	54	B	79	B
5	D	30	D	55	C	80	A
6	B	31	A	56	D		
7	C	32	D	57	B		
8	B	33	D	58	B		
9	C	34	C	59	C		
10	B	35	B	60	A		
11	D	36	C	61	D		
12	A	37	D	62	B		
13	C	38	D	63	B		
14	A	39	C	64	A		
15	A	40	D	65	C		
16	C	41	B	66	D		
17	C	42	D	67	B		
18	C	43	D	68	C		
19	D	44	A	69	B		
20	D	45	D	70	C		
21	D	46	C	71	C		
22	B	47	D	72	B		
23	B	48	C	73	C		
24	C	49	A	74	D		
25	B	50	D	75	B		

ANNEXURE-VIII

Provisional Answer Key	
GENERAL STUDIES (PAPER-II)	
Held on 30-04-2023	
Series 'D'	

Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	B	26	D	51	D	76	C
2	A	27	A	52	B	77	D
3	C	28	C	53	B	78	C
4	B	29	B	54	C	79	A
5	C	30	A	55	B	80	D
6	D	31	B	56	B		
7	B	32	D	57	D		
8	B	33	C	58	A		
9	C	34	A	59	B		
10	A	35	D	60	D		
11	D	36	B	61	A		
12	B	37	C	62	D		
13	B	38	B	63	D		
14	A	39	C	64	C		
15	C	40	B	65	B		
16	D	41	D	66	C		
17	B	42	A	67	D		
18	C	43	C	68	D		
19	B	44	A	69	C		
20	C	45	A	70	D		
21	C	46	C	71	B		
22	B	47	C	72	D		
23	C	48	C	73	D		
24	D	49	D	74	A		
25	B	50	D	75	D		

Paper-I

1. Consider the following :

- (a) State Bank of India
- (b) Punjab National Bank
- (c) Canara Bank
- (d) ICICI Bank
- (e) Reserve Bank of India

Which of the above are identified as Domestic Systemically Important Banks in India?

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

2. With reference to the 'National Green Hydrogen Mission' in India, consider the following statements :

- (a) It aims to develop a green hydrogen production capacity of at least 500 MMT (Million Metric Tonne) per annum by 2047.
- (b) Ministry of Science and Technology will be responsible for the overall coordination and implementation of the Mission.
- (c) An outlay of ₹ 5000 crore were cleared by the Union Cabinet for National Green Hydrogen Mission to make India a global green hydrogen hub.

Which of the statements given above is/are **incorrect**?

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

3. Recently Lokur Committee was in the news. It is set up to give recommendations on matters related to

- (A) Scheduled tribes
- (B) Education sector
- (C) Health sector
- (D) Transport development

4. Which of the following statements is **incorrect** regarding Digital India Awards, 2022?

- (a) 22 Innovative Digital Initiatives by Government entities at all levels under 8 categories received Digital India Awards, 2022.
- (b) It is the 7th edition of Digital India Awards.
- (c) Under the Digital Empowerment of Citizens category, e-NAM was awarded silver award.

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

5. **Correctly** match the items under the columns 'Name of the Person' and 'Field', with reference to the Padma Awards 2023.

Name of the Person	Field
(a) Shri S. M. Krishna	(i) Spiritualism
(b) Shri S. L. Bhyrappa	(ii) Public Affairs
(c) Ms. Suman Kalyanpur	(iii) Literature & Education
(d) Dr. Sukama Acharya	(iv) Art
(A) (a)-(i), (b)-(ii), (c)-(iv), (d)-(iii)	
(B) (a)-(ii), (b)-(iii), (c)-(iv), (d)-(i)	
(C) (a)-(i), (b)-(iv), (c)-(ii), (d)-(iii)	
(D) (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)	

Paper-I

6. In which State/UT, the Ministry of Fisheries, Animal Husbandry and Dairying is conducting Phase-IV of 'Sagar Parikrama'?

(A) Gujarat
(B) Daman and Diu
(C) Maharashtra
(D) Karnataka

7. Special Window for Affordable and Mid-Income Housing (SWAMIH) Investment Fund has provided final approval to about 130 projects with sanctions worth over ₹ 12,000 crore. Identify the **incorrect** statement about SWAMIH Investment Fund.

(A) It was launched in 2019.
(B) It is sponsored by the Ministry of Housing and Urban Affairs and managed by SBICAP Ventures Ltd.
(C) It is India's largest social impact fund specifically formed for completing stressed and stalled residential projects.
(D) It provides priority debt financing for the completion of stressed, brownfield and RERA registered residential projects that fall in the affordable, mid-income housing category.

8. Identify the **correct** statement about the recently released 'Global Pension Index' 2022.

(A) The index is released by International Labour Organisation
(B) India is ranked 40th among the 44 countries, ranked by the index
(C) The index measures pension on three variables : adequacy, sustainability and integrity
(D) Finland topped the index

9. In the light of the recent report released by the Official Language Committee headed by Union Home Minister, Government of India, consider the following statements :

(a) Divide the States into two categories — Region A and B States, for the use of Hindi language.
(b) Prioritize regional languages over English in all the States.
(c) Designate Hindi as one of the official languages of the United Nations.

Which of the above statements are recommendations of the Committee?

(A) Only (a)
(B) Only (a) and (b)
(C) Only (b) and (c)
(D) (a), (b) and (c)

Paper-I

10. Consider the following statements regarding the 'Agni-Prime (Agni-P)' Missile that is being produced in the operational service of the Strategic Forces Command (SFC), that forms part of India's Nuclear Command Authority (NCA) :

- (a) It is the fifth version in the Agni Missile series.
- (b) It is a three-stage Missile and is to be launched via a canister.
- (c) It weighs 50% less than Agni-3 Missile.

Which of the statements given above is/are **correct**?

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

11. With reference to "Sovereign Green Bonds Framework" in India, which of the following statements is/are **correct**?

- (a) It is approved by the Ministry of Renewable Energy.
- (b) In India, SEBI regulates the issuance of Private Green Bonds.
- (c) The framework is designed to comply with ICMA Green Bond Principles.

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

12. Consider the following combinations (related to GI tag) :

Product	State	Category
(a) Hmaram	Mizoram	Agricultural
(b) Tirur Betel Leaf	Kerala	Agricultural
(c) Dindigul Locks	Goa	Manufactured
(d) Mizo Puanchei	Mizoram	Handicrafts

Which of the combinations is/are **correctly** matched?

- (A) Only (b) and (d)
- (B) Only (d)
- (C) Only (a) and (b)
- (D) All of the above

13. Consider the following :

- (a) G20
- (b) Wassenaar Arrangement
- (c) BRICS
- (d) Shanghai Cooperation Organisation

India is presently in the Chair of which of the above?

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

Paper-I

14. Who was the first sportsperson from Independent India to win an individual medal at the Olympic Games organized by the International Olympic Committee (IOC) based in Lausanne, Switzerland?
- (A) Abhinav Bindra
(B) Saina Nehwal
(C) Khashaba Jadhav
(D) Karnam Malleswari
15. On what allegations has the International Criminal Court (ICC) recently issued an arrest warrant against Vladimir Putin, the President of Russia?
- (A) For creating a possibility of 3rd World War
(B) For threatening to launch nuclear weapons during the ongoing war between Russia and Ukraine
(C) For unlawfully deporting and transferring children from the occupied areas of Ukraine to Russia
(D) All of the above
16. What does the Bharat 6G Vision Document recently launched by the Prime Minister of India envisage?
- (A) It is a plan to introduce 6G Network in ISRO to improve coordination with NASA of USA to launch Joint Space Missions
(B) It contains a roadmap to make India 6G enabled within the next few years
(C) It is specifically launched to keep a check on the activities of China over the disputed territories
(D) All of the above
17. As per the Union Budget 2023-24 recently presented in the Parliament of India, a fund under the name of UIDF is to be established. What is the expanded form of UIDF?
- (A) Urban Infrastructure Development Fund
(B) Unique Identification Development Fund
(C) Union of India Development Fund
(D) Urban Industrial Development Fund
18. The Shanghai Cooperation Organisation (SCO), headquartered in Beijing, China,
- (A) is a Eurasian political, economic, international security and defence organization
(B) is an entity set up by China to strengthen economic cooperation with its friendly countries across Asia
(C) was originally formed in 1996 between the People's Republic of China, Russia, India, Pakistan and Uzbekistan as "Shanghai Five", before being renamed with the addition of three new members
(D) was formed by China essentially to promote cooperation in economic development of the Indian sub-continent along with its neighbouring countries

Paper-I

19. Match **List—I** with **List—II** in connection with the commercial items imported by the Indus Valley Civilization.

List—I**List—II****(Metal)****(Source)**

- | | |
|------------------|------------------|
| (a) Lapis lazuli | (i) Khetri |
| (b) Jade | (ii) Afghanistan |
| (c) Copper | (iii) Kolar |
| (d) Gold | (iv) Pamir |

Select the **correct** answer :

- (A) (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)
 (B) (a)-(iii), (b)-(i), (c)-(ii), (d)-(iv)
 (C) (a)-(i), (b)-(iv), (c)-(iii), (d)-(ii)
 (D) (a)-(ii), (b)-(iv), (c)-(i), (d)-(iii)

20. Consider the following statements.

- (a) The *Puranas* contain stories of life and mythology.
 (b) The main crop of Rig Vedic civilisation was barley.
 (c) *Rig Veda* does not throw light on the beliefs and practices of the non-Aryans.
 (d) *Kalika Purana* is a source of the early history of Kamarupa.

How many statements given above are **correct**?

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

21. Buddhism was extremely popular in ancient India. Consider the following literatures which expounded on the excellence of Buddhism :

- (a) *Manimekalai* — Sangam Literature
 (b) *Milinda Panha* — Nagasena
 (c) *Tolkappiyam* — Sangam Literature
 (d) *Bodhipathapradīpa* — Atisa

How many pairs given above are **correct**?

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

22. Which among the following is the **correct** ascending order of the political structure of Rig Vedic India?

- (A) Grama > Kula > Vis > Rashtra > Jana
 (B) Kula > Grama > Vis > Jana > Rashtra
 (C) Rashtra > Jana > Grama > Kula > Vis
 (D) Jana > Grama > Kula > Vis > Rashtra

23. Anguttara Nikāya is the earliest text which mentions the list of 16 Mahajanapadas.

Which among the following texts also gives the list of 16 Mahajanapadas?

- (a) *Kalpa Sutra*
 (b) *Dipavamsa*
 (c) *Bhagwati Sutra*
 (d) *Mahavastu*

Select the **correct** answer :

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

Paper-I

24. Which among the following dynasties of foreign origin did **not** circulate gold coins in India?

(a) Indo-Greeks
(b) Parthians
(c) Kushanas
(d) Sakas

Choose the answer from the codes below :

(A) Only (a) and (b)
(B) Only (b) and (c)
(C) Only (c) and (d)
(D) Only (b) and (d)

25. Consider the following statements :

(a) Iltutmish introduced the Sajdah and Paibos.
(b) Qutubuddin Aibak was the founder of the Ilbary dynasty.
(c) Aibak died while playing Chaugan.
(d) Iltutmish constructed the Quwwat-ul-Islam mosque at Delhi.

Which statements given above are **correct**?

(A) (a) and (b) only
(B) (b) and (c) only
(C) (a), (b) and (d) only
(D) None of the above

26. Match **List—I** with **List—II** and select the **correct** answer using the code given below the lists :

List—I**List—II**

(a) Akbar (i) Moti Masjid at Agra
(b) Humayun (ii) Buland Darwaza
(c) Prataprudra (iii) Mankal Fort Golkunda
(d) Shah Jahan (iv) Purana Qila

Choose the **correct** answer :

(a) (b) (c) (d)
(A) (ii) (iv) (i) (iii)
(B) (ii) (iv) (iii) (i)
(C) (ii) (iv) (iii) (i)
(D) (i) (iii) (iv) (ii)

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

Assertion (A) : The Marathas emerged as the strongest regional power in India after the decline of the Mughal Empire.

Reason (R) : The Marathas were the first to have a clear concept of a united Indian nation.

(A) Both **A** and **R** are true and **R** is the correct explanation of **A**
(B) Both **A** and **R** are true but **R** is not the correct explanation of **A**
(C) **A** is true but **R** is false
(D) **A** is false but **R** is true

28. Which of the following is **not correctly** matched?

(A) *Tughlaqnama* — Composed by Amir Khusrau
(B) *Ankiya Naata* — Srimanta Sankaradeva
(C) *Rihla* — Ibn Battuta
(D) *Fatwa-i-Jahandari* — Abdul Qadir Badauni

Paper-I

29. Arrange chronologically the following tribal rebellions :

- (a) The First Rampa Rebellion
- (b) Santhal Rebellion
- (c) Kol Uprising
- (d) Munda Rebellion

Select the **correct** answer from the codes given below :

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

30. Match the national leaders with the papers published by them :

List—I**List—II**

- | | |
|-------------------------|-----------------------|
| (a) <i>The Mahratta</i> | (i) Annie Besant |
| (b) <i>Bande Matram</i> | (ii) B. G. Tilak |
| (c) <i>Young India</i> | (iii) Lala Lajpat Rai |
| (d) <i>New India</i> | (iv) Mahatma Gandhi |

Select the **correct** answer :

- (a) (b) (c) (d)
- (A) (iv) (iii) (ii) (i)
- (B) (ii) (i) (iv) (iii)
- (C) (i) (ii) (iii) (iv)
- (D) (ii) (iii) (iv) (i)

31. Consider the following events :

- (a) Communal Award
- (b) The Nehru Report
- (c) Quit India Movement
- (d) Two Nations Theory

Choose the **correct** chronological order from the codes given below :

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

32. Match **List—I** with **List—II** in regard to the Social Reforms Movement in India.

List—I**List—II**

(Reform movement) (Protagonist)

- | | |
|-----------------------|-------------------------------|
| (a) Satya Shodhak | (i) Jyotiba Phule |
| (b) Self-Respect | (ii) B. R. Ambedkar |
| (c) Navayana Buddhism | (iii) E. V. Ramaswami Naicker |
| (d) Namdhari | (iv) Ram Singh |

Select the **correct** Answer:

- (a) (b) (c) (d)
- (A) (i) (iii) (ii) (iv)
- (B) (ii) (iii) (iv) (i)
- (C) (iii) (iv) (i) (ii)
- (D) (iv) (i) (ii) (iii)

33. An important aspect of the Swadeshi Movement in Bengal (1905) is the boycott of British goods. Which one of the following first suggested boycott of British goods in Bengal?

- (A) Aurobindo Ghosh's *Journal Bande Mataram*
- (B) Krishna Kumar Mitra's weekly *Sanjivani*
- (C) Motilal Ghosh's *Amrit Bazar Patrika*
- (D) Satish Chandra Mukherjee's *Dawn*

34. Who was the twenty-second Tirthankara in Jainism?

- (A) Rishabhanatha
- (B) Parshvanatha
- (C) Neminatha
- (D) Aristanemi

Paper-I

35. Choose the **correct** chronological order of the following events :

- (a) Rowlatt Satyagraha
- (b) Transfer of British India capital from Calcutta to Delhi
- (c) Civil Disobedience Movement
- (d) Publication of *Hind Swaraj*

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

36. Match **List—I** with **List—II** and select the **correct** answer using the codes given below the lists :

List—I

(Major Rock Edicts of Asoka)

(a) Rock Edict II

(b) Rock Edict V

(c) Rock Edict VIII

(d) Rock Edict IX

List—II

(Main Themes)

(i) Denounces the Practice of Orthodox Ceremonies

(ii) Introduces the System of Dharma Yatra

(iii) Explains the institution of Dharma Mahamantras

(iv) Certain measures for the welfare of humans and animals

Codes :

- (a) (b) (c) (d)
- (A) (iv) (ii) (iii) (i)
- (B) (iv) (iii) (ii) (i)
- (C) (i) (iii) (ii) (iv)
- (D) (i) (ii) (iii) (iv)

37. Which of the following monuments is **not** credited to the Chola dynasty?

- (A) Airavatesvara Temple
- (B) Valisvara Temple
- (C) Brihadiswara Temple ,
- (D) Kalugumalai Temple

38. When and where was the last session of the Congress held before independence and who was the president thereof?

- (A) November 1947 at Calcutta, presided by Sarojini Naidu
- (B) November 1946 at Meerut, presided by Acharya J. B. Kripalani
- (C) March 1947 at Rampur, presided by Maulana Abul Kalam Azad
- (D) June 1946 at Lucknow, presided by Pandit Jawaharlal Nehru

39. Which of the following is **not correctly** matched?

- (A) Nicotine — Antibacterial properties
- (B) Caffeine — Stimulant
- (C) Reserpine — Antihypertensive agent
- (D) Quinine — Antimalarial drug

40. Which of the following is a non-renewable energy resource?

- (a) Natural gas
- (b) Coal
- (c) Hydroelectricity
- (d) Solar energy
- (A) (a) and (b) only
- (B) (a), (b) and (c) only
- (C) (b) and (c) only
- (D) (a), (b), (c) and (d)

Paper-I

41. Which of the following scientific laws / theories was / were propounded by Sir Isaac Newton, the renowned English physicist and mathematician?
(a) Universal law of gravitation
(b) Laws of motion
(c) Theory of general relativity
(d) Big bang theory
(A) (a) and (b) only
(B) (a), (b) and (c) only
(C) (a), (b), (c) and (d)
(D) (a) only
42. Gall bladder stones in humans are the deposits containing
(a) calcium
(b) glucose
(c) cholesterol
Choose the **correct** option :
(A) (a) and (b) only (B) (a) and (c) only
(C) (a) only (D) (c) only
43. What is the full form of LSD, the hallucinogen drug?
(A) Low sugar drug
(B) Lithium sodium dioxide
(C) Lysergic acid diethylamide
(D) Low sodium drug
44. Which of the following is an anticoagulant chemical used in laboratories to prevent clotting of the blood samples usually stored in glass containers?
(A) Anti-hemophilic factor
(B) Heparin
(C) Calcium carbonate
(D) Formalin
45. The name 'paper' is derived from the name of the plant
(A) Papyrus
(B) *Carica Papaya*
(C) *Papaver Somniferum*
(D) *Peperomia Pellucida*
46. The weight of a body is
(a) same everywhere on the surface of the earth
(b) maximum at the poles
(c) maximum at the equator
(d) less on the hills than in the plains.
Which of the above statements is/ are **correct**?
(A) Only (a)
(B) (b) and (d) only
(C) (c) and (d) only
(D) None of the above
47. The best conductor of heat among liquids is
(A) water (B) mercury
(C) ether (D) alcohol
48. Which of the following are types of electromagnetic waves?
(a) Ultra-violet rays
(b) Sunlight
(c) X-rays
(d) Infra-red rays
(A) (a), (b), (c) only
(B) (b), (c), (d) only
(C) (a), (b), (d) only
(D) (a), (b), (c), (d)
49. The Covid-19 vaccine, Covishield, manufactured by Serum Institute of India, belongs to which one of the following variant types?
(A) Inactivated vaccines
(B) Messenger RNA (mRNA) vaccines
(C) Subunit, recombinant, polysaccharide and conjugate vaccines
(D) Toxoid vaccines

Paper-I

50. The process of producing Atom bomb and Hydrogen bomb involves
(A) fission and fusion respectively
(B) fusion and fission respectively
(C) fusion in both cases
(D) fission in both cases
51. With the recent discovery of 12 new moons, the planet presently known to have the highest number of natural satellites is
(A) Saturn (B) Uranus
(C) Jupiter (D) Pluto
52. Hydrogen blended Compressed Natural Gas (CNG) is being used in transport vehicles as fuel primarily because,
(a) it adds minimally to the weight thus making the vehicle highly fuel efficient
(b) it emits less carbon dioxide and other pollutants as compared to liquid fuels
(c) hydrogen is less poisonous and there is less risk to passengers in case of any leakage of the gas inside the vehicle
The **correct** answer is :
(A) (a), (b) and (c)
(B) (b) and (c) only
(C) (b) only
(D) (c) only
53. Which of the following is a vital role played by the mitral and the tricuspid valves of the heart?
(A) Allowing blood flow from arteries to veins
(B) Allowing supply of oxygenated blood to the heart
(C) Preventing blood from flowing back into the atria
(D) All of the above
54. Which of the following is the largest bone in the middle ear?
(A) Incus (B) Malleus
(C) Stapes (D) Cochlea
55. Which of the following is the **correct** description of certain parts of normal human skeleton?
(A) The 9th and 10th pairs of ribs are called floating ribs
(B) Pelvic girdle occurs in the shoulder region
(C) Each arm consists of 30 bones
(D) Glenoid cavity is the depression to which the thigh bones articulate
56. According to the report cited by WWF in 2022, which is the world's most endangered species?
(A) Sumatran Tiger
(B) Tapanuli Orangutan
(C) Javan Rhinos
(D) Hawksbill turtles
57. Which toxic gas was released during the Bhopal Gas Tragedy of 1984?
(A) Ethyl isocyanide
(B) Methyl isocyanide
(C) Methyl isocyanate
(D) Ethyl isocyanate
58. Which of the following wetlands of India are in Montreux Record?
(a) Loktak Lake
(b) Keoladeo National Park
(c) Chilika Lake
(d) Hokera wetland
Select the **correct** option :
(A) (b) and (c) only
(B) (a) and (b) only
(C) (a) and (d) only
(D) (b) and (d) only

Paper-I

59. Refer to the following two statements :
- (a) United Nations Framework Convention on Climate Change (UNFCCC) was a framework for international cooperation to combat climate change by limiting average global temperature increase.
- (b) Kyoto protocol was not an extension of UNFCCC.
- Which of the statements given above is **correct**?
- (A) Only (a)
 (B) Only (b)
 (C) Both (a) and (b)
 (D) Neither (a) nor (b)
60. Which country entered into a tripartite agreement with the Government of India in 1953, along with the United Nations Organization, for the first project launched in India to help modernize Kerala's fishing industry?
- (A) Canada (B) USA
 (C) Sri Lanka (D) Norway
61. Incidence of Poverty is estimated by the Planning Commission on the basis of
- (A) Large Sample Surveys on Household Consumer Expenditure conducted by the National Sample Survey Organisation (Indian Statistical Office) on a quinquennial basis
 (B) Research on Consumer Behaviour carried out by the National Institute of Public Finance and Policy for the Ministry of Finance in each plan period
 (C) Household and Employment Surveys carried out by the Centre for Economic Policy Research quadrennially
 (D) Large Household Surveys conducted by the National Institute of Rural Development (NIRD) on a quinquennial basis

62. The Swarnajayanti Gram Swarozgar Yojana has been restructured as
- (A) Mahatma Gandhi National Rural Employment Guarantee Scheme
 (B) National Rural Livelihoods Mission
 (C) Prime Minister Rozgar Yojana
 (D) Pradhan Mantri Jan Dhan Yojana
63. Calorie based norm is **not** an adequate measure to identify poor people because of which of the following reasons?
- (A) This system categorises the poor as a single category and does not differentiate between poor and very poor
 (B) This mechanism considers calorie intake as the only basis of determining poverty and fails to consider factors such as healthcare, provision of clean drinking water, proper sanitation, basic education etc
 (C) This measure fails to explain social factors that cause poverty such as ill health, lack of access to resources, lack of civil and political freedom etc
 (D) All of the above

64. Which of the following are the **correct** stages of population growth, according to the Theory of Demographic Transition?

(a) There is low population growth in a society that is underdeveloped and technologically backward

(b) The death rate and birth rate are very high, so that the net growth rate is low

(c) There is low growth in a developed society where both death rate and birth rate have been reduced considerably and the difference between them is again small

(d) Between these stages is a transitional stage of movement from a backward to an advanced stage, and this stage is characterised by very high rates of growth of population

(A) (a) and (c) only

(B) (b), (c) and (d) only

(C) (a), (b) and (c) only

(D) All of the above

65. Index of Industrial Production (IIP) is calculated and published by which one of the following?

(A) NITI Aayog

(B) Central Statistical
Organization (CSO)

(C) NSSO

(D) IDFC

66. Which one of the following is generally known as "Twin Deficit"?

(A) Revenue Deficit and Current Account Deficit

(B) Revenue Deficit and Capital Account Deficit

(C) Fiscal Deficit and Current Account Deficit

(D) Fiscal Deficit and Capital Account Deficit

67. Which of the following are key indicators of poverty in India?

(a) High infant mortality rate

(b) Low life expectancy

(c) High inflation rate

(d) Low literacy rate

(A) (a), (b) and (c) only

(B) (a), (b) and (d) only

(C) (b), (c) and (d) only

(D) (a) and (d)

68. Which among the following factors are responsible for the high growth of the Service Sector?

(a) High demand for service as an end product

(b) Technological and structural changes

(c) Development of information technology

(d) Liberalization of the financial sector and reforms in the infrastructure sector

(A) (a) and (c) only

(B) (a), (b) and (d) only

(C) (b), (c) and (d) only

(D) All of the above

Paper-I

69. Which one of the following is **correct** if we only achieve two out of the three pillars of sustainable development?

- (A) Social + Economic
sustainability = Equitable
- (B) Social + Environmental
Sustainability = Bearable
- (C) Economic + Environmental
Sustainability = Viable
- (D) All of the Above

70. Which of the following is/are the primary goals of the Five Year Plans?

- (a) Equity
- (b) Modernization
- (c) Self-Reliance
- (d) Concentration and
Distribution of Wealth

Choose the **correct** answer by using the codes given below :

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

71. Which of the following statements is/are **true** for the Crude Birth Rate (CBR)?

- (a) The number of live births in a year per thousand of population.
- (b) The number of live births per ten thousand of population.
- (c) The ratio between the number of live births in a population during a given year and the total mid-year population for the same year.
- (d) The ratio between the number of live births in a population during a given year and the total population at the end of the year.

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

72. Which one of the following is **not** a push factor for migration?

- (A) Water shortage
- (B) Medical / Educational facilities
- (C) Unemployment
- (D) Epidemics

73. The 2011 Census has divided the working population of India into which of the following categories?

- (A) Cultivators, Agricultural Labourers, Household/Industrial Workers, Other Workers
- (B) Producers, Agricultural Labourers, Household Workers, Service Sector Workers, Other Workers
- (C) Agriculturists, Farm Labourers, Manufacturing Workers, Household Workers
- (D) Cultivators, Agricultural Labourers, Manufacturing Workers, Other Workers

74. Make correct pairs from the following two columns and mark the **correct** option :

- | | |
|-----------------|--------------------------|
| (a) Meteorology | (i) Population Geography |
| (b) Demography | (ii) Soil Geography |
| (c) Sociology | (iii) Climatology |
| (d) Pedology | (iv) Social Geography |

- (A) (a)-(ii), (b)-(iii), (c)-(i), (d)-(iv)
- (B) (a)-(iv), (b)-(ii), (c)-(iii), (d)-(i)
- (C) (a)-(i), (b)-(iv), (c)-(ii), (d)-(iii)
- (D) (a)-(iii), (b)-(i), (c)-(iv), (d)-(ii)

75. According to plate tectonics, the important minor plates are

- (A) Nazca plate, Arabian plate, Philippine plate, Pacific plate, Eurasia plate
- (B) Cocos plate, Nazca plate, Arabian plate, Philippine plate, Caroline plate, Fuji plate
- (C) Cocos plate, Pacific plate, Nazca plate, Arabian plate, Fuji plate, Eurasia plate
- (D) Nazca plate, Cocos plate, Pacific plate, Arabian plate, Eurasia plate, Fuji plate

Paper-I

76. Which of the following processes are included under diastrophism?
- (A) Orogenic processes
(B) Epeirogenic processes
(C) Earthquakes and Plate Tectonics
(D) All of the above
77. Threatened species of plants and animals are classified by
- (A) World Wildlife Fund (WWF)
(B) Natural Resources Defense Council (NRDC)
(C) Conservation International (CI)
(D) International Union of Conservation of Nature and Natural Resources (IUCN)
78. Which one of the following is the highest cloud in the sky?
- (A) Cirrus
(B) Stratus
(C) Nimbus
(D) Cumulus
79. Which of the following is/are **not true** about the El Nino Southern Oscillation (ENSO)?
- (A) It is closely associated with the pressure changes in the Central Pacific and Australia.
(B) In the years when the ENSO is strong, large-scale variations in weather occur over the world.
(C) When the ENSO is strong, the arid west coast of South America faces drought; Western Australia and sometimes India receive heavy rainfall.
(D) This phenomenon is closely monitored and is used for long range forecasting in the major parts of the world.

80. The highest tides in the world occur in
- (A) Bristol Channel, United Kingdom
(B) Ungava Bay, Canada
(C) Punta Quilla, Argentina
(D) Bay of Fundy in Nova Scotia, Canada

81. What is the **correct** chronological sequence of the following advisory opinions given by the Supreme Court under Article 143 of the Constitution?

- (a) *In re* Kerala Education Bill
(b) *In re* President Poll
(c) *In re* Delhi Laws Act
(d) *In re* Cauvery Dispute Tribunal

Select the **correct** answer using the codes given below :

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

82. In which of the following, the Parliament, by law, excluded the jurisdiction of the Supreme Court in dispute between the States of India?

- (a) Water of inter-State rivers or river valleys
(b) Matters referred to Finance Commission
(c) Adjustment of certain expenses between Union and States under Article 290
(d) A dispute arising out of any treaty or agreement etc.

Select the **correct** answer using the codes given below :

Codes :

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

Paper-I

83. Under Article 133 of the Constitution, the appellate jurisdiction of the Supreme Court in appeals from High Courts in the Civil matters pertains only to a

- (A) question of law
- (B) question of law and facts
- (C) substantial question of law of general importance
- (D) substantial question of law of constitutional interpretation

84. Which of the following Fundamental Rights are enforceable against the private individuals as well?

- (A) Articles 15(1), 17, 18(1)
- (B) Articles 15(2), 17, 21
- (C) Articles 15(2), 17, 18(2), 26
- (D) Articles 15(2), 17, 18(2), 23(1) and 24

85. Which of the following Union Territories are included in the electoral college to elect to Office the President of India by the Constitution (70th Amendment) Act, 1992 to purpose of Articles 54 and 55 of the Constitution of India?

- (a) NCR of Delhi
- (b) Goa
- (c) Pondicherry
- (d) Lakshadweep

Select the answer by using the codes given below :

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

86. Under the Indian Constitution, if any question arises as to whether a member of either House of the Parliament has become subject to any disqualification under Article 102(1), then the issue has to be decided by which of the following constitutional authorities?

- (a) The Speaker or the Chairman
- (b) The Election Commission of India
- (c) The President of India
- (d) The Supreme Court of India

Select the **correct** answer by using the codes given below :

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

87. Consider the following statements in respect of the manner of election to the Council of States by the electoral college :

- (a) They are elected in accordance with the proportional representation system by means of single transferable vote.
- (b) They are elected by second call of paper.
- (c) Elections are required to indicate candidates' multiple preferences.
- (d) The candidates are required to obtain the quota and polling will be by open ballot.

Which of the above statements are **correct**?

Codes :

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

Paper-I

88. Which of the following is **correct** in respect of anti-defection law?

- (a) It was introduced by the Constitution (fifty-fourth Amendment) Act, 1985
- (b) It amended four articles of the Constitution such as Articles 101(3)(a), 102(2), 190(3)(a) and 191(2)
- (c) It added the Tenth Schedule to the Constitution
- (d) A member of the House belonging to any political party shall be disqualified if he is being expelled or suspended from such political parties

Select the **correct** answer by using the codes given below :

Codes :

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

89. Which of the following matters are required to be passed by special majority votes instead of simple majority votes?

- (a) Removal of the Speaker and the Deputy Speaker of the House
- (b) Removal of the Chief Election Commissioner and the other Election Commissioners
- (c) Removal of the Chairman of the Rajya Sabha
- (d) Removal of the Deputy Chairman of the Rajya Sabha

Select the **correct** answer by using the codes given below :

Codes :

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

90. Under Article 102(1) of the Constitution, a person is disqualified from being chosen as, and from being a member of the House of Parliament under which of the following grounds?

- (a) Dismissal from Government service for corruption
- (b) Dismissal from Government service for disloyalty to the State
- (c) If such person is an undischarged insolvent
- (d) If such person holds an office of profit under certain State Government

Choose the **correct** answer using the codes given below :

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

91. In case both the Speaker and the Deputy Speaker are absent from the House, the Speaker's duties are to be performed by whom?

- (a) By such person as determined by the rules of procedure of the House
- (b) By the oldest available members of the ruling party
- (c) By such other person as nominated by the President to conduct the proceeding of the House
- (d) By such other person as may be determined by the House

Codes :

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

Paper-I

92. Which of the following statements is/are **correct** in respect of the Chairman of the Rajya Sabha?

- (a) The Vice-president of India is ex officio Chairman of the Rajya Sabha.
- (b) He may be removed from his office by majority of all the members of the House.
- (c) At least 15 days advance notice has to be given for the intention to move the person.
- (d) The Vice-president can preside over a sitting of the Rajya Sabha when resolution for his removal is under consideration.

Select the **correct** answer by using the codes given below :

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

93. What will be effect of dissolution of the Lok Sabha on business pending in the House in the following consignees?

- (a) A bill pending in the Lok Sabha lapses
- (b) A bill passed by the Lok Sabha pending in the Rajya Sabha does not lapse
- (c) A bill passed by both the Houses but pending assent of the President lapses
- (d) Dissolution of the House does not wipe out contempt proceeding in the House

Select the appropriate answer by using the codes given below :

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

94. Which of the following bills is considered neither a money bill nor a financial bill, if it deals only with matters?

- (a) The bill relating to imposition of fines or other pecuniary penalties
- (b) If it relates to the demand of payment of fees for licenses or fees for service rendered
- (c) If it relates to imposition, abolition, remission, alteration or regulation of any tax by any local authority or body for local purposes
- (d) All municipal taxations

Select the **correct** answer by using the codes given below :

Codes :

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

95. Which of the following expenditures is charged on the Consolidated Fund of India?

- (a) Administrative expenses of the Supreme Court.
- (b) Administrative expenses of the Comptroller and Auditor General.
- (c) Grants-in-aid for States in need of assistance.
- (d) Money required for making loans to the States.

Select the appropriate choice by using the codes given below :

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

Paper-I

96. Parliament authorizes a lumpsum grant to the executive to cover the expenditure for a short period before passing of the Appropriation Act by means of which of the following instruments?

- (A) Votes of credit
- (B) Exceptional grant
- (C) Supplementary grants
- (D) Vote on account

97. Which of the following statements are **correct** in respect of Public Accounts Committee?

- (a) It comprises of 10 members of Lok Sabha and 7 members of Rajya Sabha.
- (b) A member of the opposition acts as its Chairman.
- (c) It examines the accounts of the Government corporations, autonomous and semi-autonomous bodies.
- (d) The Committee has the power to hear officials or take evidence connected with accounts under examination.

Select the appropriate answer by using the codes given below :

Codes :

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

98. Consider the following statements relating to Parliamentary Privileges enjoyed by a member of the House. Which of the following statements are **true**?

- (a) Freedom of speech inside the Parliament House is absolute in nature.
- (b) A member's freedom of speech is subject to provisions of the Constitution and to the rules and standing orders regulating the procedure of the Parliament.
- (c) No member of the Parliament is liable to any proceedings in any Court in respect of anything said or any vote given in the Parliament.
- (d) A member who accepted bribe as a motive or reward and voted in the Parliament can claim immunity from criminal proceedings.

Select the **correct** answer by using the codes given below :

Codes :

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

99. Manipur became a Union Territory in which of the following years?

- (A) 1954
- (B) 1955
- (C) 1956
- (D) 1972

100. The Gross State Domestic Product (GSDP) of Manipur for F.Y. 2023-24 is estimated as which one of the following?

- (A) ₹ 45,145 Crore
- (B) ₹ 45,700 Crore
- (C) ₹ 40,000 Crore
- (D) None of the above

Specimen Question Booklet
Paper-II

Annexure-X

Direction (Q. Nos. 1 to 4) : Read the following passage carefully and attempt most appropriate answer from the choices given below :

Carbon dating is a widely used method to establish the age of organic materials, things that were once living. Living things have carbon in them in various forms. The dating method is based on the fact C-14, an isotope of carbon with an atomic mass of 14, is radioactive and decays at a well-known rate. The most abundant isotope of carbon in the atmosphere is C-12. A very small amount of C-14 is also present. The ratio of C-12 to C-14 in the atmosphere is almost static and is known. Plants get their carbon through photosynthesis; animals get it mainly through food. Because plants and animals get their carbon through atmosphere, they too acquire C-12 and C-14 in roughly the same proportion as is available in the atmosphere. When they die, their interactions with the atmosphere stop. While C-12 is stable, the radioactive C-14 reduces to one-half of itself in about 5,730 years – known as its 'half-life'. The changing ratio of C-12 to C-14, in the remains of a plant or animal after it dies, can be measured and can be used to deduce the approximate time when it died. Though extremely effective, carbon dating cannot be applied in all circumstances. It cannot be used to determine the age of non-living things like rocks, for example. Also, the age of things that are more than 40,000-50,000 years old cannot be arrived at through carbon dating. This is because after 8-10 cycles of half-lives, the amount of C-14 becomes almost undetectable.

1. As per the passage, which of the following three statements is/are **true**?

- I. Carbon dating is the only method to establish the age of organic materials.
- II. There is no carbon present in inorganic materials.
- III. Carbon dating method cannot always be used for determining the age of organic materials.

- (A) I, II only
- (B) III only
- (C) I, II and III
- (D) I and III only

2. Which of the following three statements, with reference to the term "half-life", could be inferred from the passage?

- I. It refers to the time in which bodies of dead animals decompose to about half of their original mass.
- II. It is used with specific reference to the C-14 isotope of carbon.
- III. In about twice the duration of its half-life cycle, the body mass of a dead animal gets decomposed almost completely and nothing will be left of it.

- (A) I and II only
- (B) I only
- (C) II only
- (D) I, II and III

Specimen Question Booklet
Paper-II

Annexure-X

3. The carbon dating method **cannot** be used to determine the age of all inorganic things purely because

I. There is no carbon present in them.

II. All such things have been in existence for more than 40-50 thousand years.

(A) I only

(B) II only

(C) Both I and II

(D) None of the above

4. Which of the following statements is implied in the passage?

I. Carbon, by itself, is an adequate diet for animals and plants to survive.

II. When animals and plants die, the atmosphere has no further effect on them.

(A) I only

(B) II only

(C) Both I and II

(D) None of the above

Direction (Q. No. 5 and 6) : Read the following passage carefully and attempt most appropriate answer from the choices given below :

Among the best uses of a census anywhere in the world was perhaps what happened in the United States when, in 1850 and 1860, anti-slavery campaigners used numbers from two consecutive national censuses to build support for the abolition of slavery. They showed the number of enslaved people in the U.S. to be rising — contrary to the arguments made by the pro-slavery politicians. There have been numerous instances of such revelations using the census. India's first Census was held in 1872, conducted non-synchronously in different parts of the country. After that, India has held its decadal censuses regularly from 1881 to 2011, despite diseases, World Wars, Partition, and other instances of turmoil. The best of sample surveys finds it impossible to beat a census. It carries the promise of counting every Indian. The Government could junk, for the first time, a survey that recorded falling consumption expenditures in 2017-18, and get away with it. A census is when the State connects to every individual, and it will find it hard to hide or duck from the data. Finding out age, gender, economic status, religion and languages spoken yields information of another order, making it a treasure trove of findings and providing pathways for planning and resolving problems, and fixing deficiencies. Censuses in India - well before the term Big Data became a common place — have provided great amounts of reliable numbers over time.

Paper-II

These enable neat, inter-temporal comparability to where India stands vis-à-vis its own record.

5. Which of the following statements about censuses could be inferred from the passage?

- I. These could help in making comparative analysis to understand the progress made by a country over time with respect to specified parameters.
- II. These involve simple processes that could be carried out very easily even in tsunami battered areas that are still reeling under its impact, or places where a COVID-19 like pandemic is at its peak.
- III. These are conducted through a lengthy but easy process of Government representatives personally interviewing every individual in the country.

(A) I and II only

(B) II and III only

(C) I only

(D) I, II and III

6. Which of the following statements is/are **not** implied in the passage?

- I. Before censuses had begun in India, sample surveys used to be the only source of population related information for the Government.
- II. Census reports help to unearth deliberately withheld information as happened in the U.S., where details of the increase in the number of slaves came to light after a census exercise.
- III. A census has no meaning at all unless it is conducted simultaneously across all parts of the country.

(A) II only

(B) III only

(C) I and III only

(D) I, II and III

Direction (Q. Nos. 7 to 9) : Read the following passage carefully and attempt most appropriate answer from the choices given below :

The Karnataka Elephant Task Force, constituted as per the Karnataka High Court order, in its report submitted in 2012, designated the Hassan region as an "Elephant Removal Zone", where concerns about human safety take precedence. Given the small forest cover, the high density of population and the predominance of agriculture and horticulture, the region could be treated as an Elephant Removal Zone, the task force said. It decided that restoration of elephant habitat in the region was unachievable. Residents too say that the region is not suitable for elephants.

Paper-II

For officers, handling the conflict is often a daunting task as they have no long-term solutions to offer. "The local officers are meant to only drive elephants away from human habitats and capture them when needed", says a senior officer. Some elephants, which were relocated to places such as Bandipur National Park, came back to the area after some time, almost as if to prove that intra-State relocation is not a sustainable solution. The officer believes that thinking "outside the box" is necessary. "We must study what African countries have been doing to handle such situations. We must adopt elephant population control methods. If elephants must be relocated, they need to be moved to a place from where they cannot walk back easily", he says.

7. Which of the following statements is/are clearly implied in the passage?

- (A) All the elephants have moved out of their traditional habitat and permanently encroached upon areas of human habitat in the Hassan region leading to human-elephant conflict.
- (B) Over the years, humans have cut into forest lands traditionally inhabited by elephants through deforestation, thereby reducing the area of the latter's habitats.
- (C) Hassan region was never suitable as, habitat for elephants although pachyderms have inhabited the region since decades.
- (D) All of the above

8. In the context of the passage, the option closest in meaning to the term "daunting" is

- (A) impossible
- (B) avoidable
- (C) risky
- (D) difficult

9. Which of the following statements about relocation of elephants is/are **not** implied in the passage?

- (A) Elephants will not be able to return to their original habitats only if they are relocated to other States of the country, instead of other regions within the same State.
- (B) Elephants are nomadic by nature and keep getting relocated to other regions nearer to their original habitat, thereby giving rise to elephant-human conflict.
- (C) Elephants cannot adjust to new habitats to which they are forcibly relocated.
- (D) All of the above

Direction (Q. No. 10 and 11) : Read the following passage carefully and attempt most appropriate answer from the choices given below :

While the world is emerging from the acute phase of the COVID-19 pandemic, the very harmful but invisible pandemic of Antimicrobial Resistance (AMR) is unfortunately here to stay. Most countries understood in 2020 the clear and present danger of COVID-19, forcing Governments, including India's, to respond with speed and accuracy.

Paper-II

The rapidly rising AMR rates also need an accelerated, multi-sectoral, global and national response. In recent decades, while new drugs have revolutionized human healthcare, health experts have been struggling with disease causing microbes that have become resistant to drugs. Global public health response has been threatened due to rising misuse and overuse of antibiotics in humans and animals. Microbial resistance to antibiotics has made it harder to treat infections such as pneumonia, tuberculosis (TB), blood-poisoning (septicaemia) and several food-borne diseases. AMR also imposes a huge health cost on the patient in the form of longer hospitalization, health complications and delayed recovery. It puts patients undergoing major surgeries and treatments such as chemotherapy, at a greater risk. Many times, patients recover from advanced medical procedures but succumb to untreatable infections.

10. Which of the following statements about COVID-19 is/are **true** as per the passage?

- (A) At its very onset, COVID-19 was internationally understood to be dangerous and there was an accelerated, global response to tackle it.
- (B) Even at its peak, COVID-19 was not as dangerous as AMR is proving to be now and is going to be in the future.
- (C) The world will soon be free of COVID-19 thanks to the befitting, collective and massive response to it on a global scale.
- (D) All of the above

11. Which of the following statements about AMR is/are **not** implied in the passage?

- (A) It unwittingly gives the opportunity for hospitals to bill the patient higher amounts and make more money.
- (B) It is a more costly disease for patients as compared to COVID-19.
- (C) It is not yet prevalent in India.
- (D) All of the above

Direction (Q. Nos. 12 to 14) : Read the following passage carefully and attempt most appropriate answer from the choices given below :

Sri Lankan refugees in India are in a protracted situation, some for over four decades. At the UNHCR, we perceive voluntary return as the most desired choice to end refugee status. There is a significant population which may not wish to return, preferring to call India home. This is a cohort, born and educated in India with no knowledge or experience of their country of origin. A solution that provides relief from enduring refugee status is the need of the hour. India possesses the capacity and the legal framework to find durable solutions to the refugee situation in Tamil Nadu. In line with the Global Compact on Refugees, India along with the international community has significantly contributed to build conditions within Sri Lanka for their safe and durable return. The welfare of refugees including efforts towards self-reliance can be cited as global best practice. What remains is a solution for the group which may consider India to be their home after a stay of decades. They, above all, need fair consideration.

Paper-II

12. Which one of the following statements could be inferred from the passage?

- (A) As per UNHCR's averment, it is best if Sri Lanka voluntarily takes back the Sri Lankan nationals presently living in India as refugees.
- (B) As believed in UNHCR, it is best for India to voluntarily end the refugee status of Sri Lankan nationals living in India and arrange to send them home safely.
- (C) As understood at UNHCR, it is most desirable that refugees taking shelter in a foreign country voluntarily choose to return to their homeland once it is safe for them to do so.
- (D) None of the above

13. Which of the following statements is **not** necessarily implied in the passage?

- (A) India is exploring the legal options available to it to ensure that all the Sri Lankan refugees living on its soil return to their homeland.
- (B) India has been a part of the international community that has contributed to the construction of buildings in Sri Lanka to house the Sri Lankan refugees returning home from India.
- (C) There is a group of Sri Lankan refugees in India that has decided that India is their home now and they will not go back to Sri Lanka.
- (D) All of the above

14. The author is of the firm belief that Sri Lankan refugees in India

- (A) could have been treated better by our Government over the decades
- (B) are pampered a lot and hence, most of them prefer to stay on in India rather than return to their homeland
- (C) deserve to be viewed with due empathy by our Government
- (D) should be given preference over the IDPs in Sri Lanka when it comes to welfare measures

Direction (Q. No. 15 and 16) : Read the following passage carefully and attempt most appropriate answer from the choices given below :

Pollution is a governance issue - one that has long been neglected by the political class despite its contributing to our truncated life spans. Our children are growing up unhealthy, while being kept home from school due to bad air, and our public health system is overburdened with toxic air related health conditions. What is surprising is the apathy of our ruling class towards the carcinogenic air quality. This, coupled with the fact that pollution, despite its health and economic consequences, is not a priority issue for most voters, makes it a deadly compact of mutual apathy. How bad is our air quality? A study published in 2012 in the Indian Journal of Cancer notes that 40 per cent of all lung cancer cases in India are found in non-smokers. This is the highest proportion for any country, and these numbers were rising. The reason why non-smokers are presenting lung cancer in such high numbers is deeply intertwined with pollution.

Paper-II

15. Which of the following statements are **not** an assumption of the author while writing this passage?

- I. Children become unhealthy by staying at home instead of going to school as they are deprived of exposure to other children and classroom learning.
- II. Bad governance leads to rising pollution levels in the air and it proves the ignorance of the ruling class towards this issue.
- III. The public doesn't usually see pollution as a major issue while choosing their elected representatives for the State Legislatures or the Parliament.
- IV. Pollution is more harmful than smoking as it affects non-smokers also as much as it does the smokers.

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

16. As per the study published in 2012 in the Indian Journal of Cancer,

- I. India is way ahead of all other countries in terms of the number of lung cancer patients in the country.
- II. India accounts for the highest number of non-smoker lung cancer patients as compared to any other country.
- III. India accounts for the highest proportion of non-smoker lung cancer patients in the world.
- IV. Lung cancer cases will continue to rise in India amongst both smokers and non-smokers equally due to the apathy of the policy makers.

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

Direction (Q. Nos. 17 to 19) : Read the following passage carefully and attempt most appropriate answer from the choices given below :

If India must achieve the set of goals enunciated in the 'Panchamrit' resolution of the COP26 climate summit in Glasgow 2021, it is necessary that Panchayati Raj Institutions, the third tier of the Government which are closest to the people, are involved. Although international and national policies have been formulated with large-scale investments, it is necessary to have a suitable local action plan for implementation and enforcement, initiated and coordinated by local Governments. In the context of greater devolution that has taken place, Panchayats, as local Governments, can play a pivotal role in tackling many of the causes and effects of climate change. Over the past few decades, there has been a manifold increase in the number of climate-related national disasters. Much of India's population still lives in the rural areas and is involved in agriculture and other agri-based activities. The greater variability in rainfall and temperatures etc. experienced of late has directly affected the livelihood and well-being of millions of rural households. India's National Action Plan on Climate Change, 2008 identifies a range of priority areas for coordinated intervention at the national and State levels. However, there would have been better results had Panchayati Raj Institutions been given a greater role. Through the ongoing decentralization process which ensures people's participation, Panchayats can play a crucial and frontline role in coordinating effective responses to climate risks, enabling adaptation and building climate-change resilient communities.

17. Which of the following statements is/are implied in the passage?

- I. In India, natural disasters affect the rural population more than the urban population.
- II. Panchayats have the capability to take preventive action to eliminate at least some kinds of climate-related risks.
- III. Any investment made by the Govt. towards mitigation of hardships caused to people by climate-related disasters will bear no fruit at all unless Panchayati Raj Institutions also step in to participate in the efforts of the former.

- (A) III only
- (B) II only
- (C) I, II and III
- (D) II and III only

18. Which of the following statements is/are **true** as per the passage?

- I. The intensity of climate-related disasters has greatly increased in the last few decades.
- II. Panchayati Raj Institutions are the arms of the Government most easily accessible to the people locally.
- III. Till recently the Government was not assigning any role to the Panchayati Raj Institutions in tackling natural disasters.

- (A) II only
- (B) I, II and III
- (C) III only
- (D) I and II

19. Which of the following statements is/are **not** implied in the passage?

- I. Although the Government is taking measures to tackle climate change issues, there is still a lot more that could be done by it.
- II. Until 2008 there was no need for the Government to formulate any comprehensive "action plan" as such for tackling climate change; the problem was not so complex as it is today and could be tackled far more easily as and when the need arose.
- III. Until 2008 the Govt. of India had not made any concrete action plans to tackle the negative effects of climate change; the need for the same arose subsequently as the problem kept intensifying with every passing decade.

- (A) I, II and III
- (B) I and II only
- (C) II and III only
- (D) I only

Direction (Q. No. 20) : Read the following passage carefully and attempt most appropriate answer from the choices given below :

A new modelling study suggests sauropod dinosaurs required soft tissue pads on the undersides of their feet to support their enormous weight. The soft tissue pads would have substantially reduced foot bone stresses in sauropods. The study also revealed that the soft pads may have been one of the key adaptations that enabled dinosaurs to evolve.

Paper-II

20. Which of the following statements could be inferred from the passage?

- I. The soft tissue pads on the undersides of their feet would have ensured that sauropods did not suffer any fractures on their feet.
- II. Evolution of an animal species involves certain adaptations.

- (A) I only
- (B) II only
- (C) Both I and II
- (D) None of the above

Direction (Q. Nos. 21 to 28) : In each of the following questions, the answer choices suggest alternative arrangements of four sentences I, II, III and IV. Choose the alternative that forms the most coherent paragraph :

21. I. In emission trading, the government fixes the total amount of pollution that is acceptable to maintain a desired level of air quality.

II. Economists argue that this approach makes air pollution control more cost-effective than the current practice of fixing air pollution standards and expecting all companies to pollute below these standards.

III. USA uses emission trading to control air pollution.

IV. It then distributes emission permits to all companies in the region, which add up to the overall acceptable level of emission.

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

22. I. All levels of demand, whether individual, aggregate, local, national or international are subject to change.

II. At the same time, science and technology add new dimensions to products, their uses, and the methods used to market them.

III. Aggregate demand fluctuates with changes in the level of business activity, GNP and national income.

IV. The demands of individuals tend to vary with changing needs and rising income.

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

23. I. The individual companies vary in size, from the corner grocery to the industrial giant.

II. Policies and management methods within firms range from formal well-planned organization and controls to slipshod day-to-day operations.

III. Various industries offer a wide array of products or services through millions of firms largely independent of each other.

IV. Variation in the form of ownership contributes to diversity in capital investment, volume of business and financial structure.

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

Specimen Question Booklet
Paper-II

Annexure-X

- 24.** I. To have settled one's affairs is a very good preparation to leading the rest of one's life without concern for the future.
- II. When I have finished this book, I shall know where I stand.
- III. One does not die immediately after one has made one's will; one makes one's will as a precaution.
- IV. I can afford then to do what I choose with the years that remain to me.
- (A) IV, II, I, III
- (B) III, I, II, IV
- (C) II, IV, I, III
- (D) I, II, III, IV

- 25.** I. But instead you are faced with another huge crag and the weary trail continues.
- II. No, the path winds on and another mountain bars your way.
- III. When for days you have been going through a mountain pass, a moment comes when you are sure that after winding around the great mass of rock in front of you, you will come upon the plain.
- IV. Surely after this, you will see the plain.
- (A) III, IV, II, I
- (B) II, I, IV, III
- (C) III, I, IV, II
- (D) II, III, I, IV

- 26.** I. During one exhibition, however, some air became mixed with the hydrogen, and in the words of the shaken entertainer : "The explosion was so dreadful that I imagined all my teeth had been blown out!"
- II. An entertainer in an exhibition show would finish his acts by blowing the hydrogen he had inhaled towards a lighted candle; as the hydrogen caught fire, flames would shoot menacingly from his lips.
- III. A paper bag filled with hydrogen would amaze the guests in a party by zooming off into space.
- IV. When people learned about hydrogen's unique lighter-than-air property, they began to use it in all sorts of parlour stunts.
- (A) IV, III, II, I
- (B) IV, II, I, III
- (C) III, I, II, IV
- (D) I, III, II, IV

- 27.** I. It is exciting and various.
- II. I am a writer as I might have been a doctor or a lawyer.
- III. The writer is free to work in what he believes.
- IV. It is so pleasant for a profession that is not surprising if a vast number of persons adopt it who have no qualifications for it.
- (A) III, I, IV, II
- (B) I, II, IV, III
- (C) IV, II, III, I
- (D) II, IV, I, III

Paper-II

28. I. No other documents give us so intimate a sense of the tone and tenor of the first-generation poets.
- II. Part of the interest of the journal in question is, of course, historical.
- III. And the clues to Wordsworth's creative processes which the journal affords are of decisive significance.
- IV. Not even in their own letters do Wordsworth and Coleridge stand so present before us than they do through the references in the journal.
- (A) II, I, III, IV
(B) II, IV, I, III
(C) III, II, I, IV
(D) IV, I, II, III

Direction (Q. Nos. 29 to 32) : In each of the following questions a pair of capitalised words is followed by four pairs of words. You are required to mark as the answer the pair of words with a relationship between them that is closest to the relationship between the capitalized pair :

29. FISSION : FUSION

- (A) Implosion : Explosion
(B) Separation : Combination
(C) Intrusion : Extrusion
(D) Enemy : Friend

30. BRICK : BUILDING

- (A) Word : Dictionary
(B) Water : Cloud
(C) Platoon : Soldier
(D) Idiom : Language

31. ACTION : REACTION

- (A) Introvert : Extrovert
(B) Assail : Defend
(C) Disease : Treatment
(D) Death : Rebirth

32. ANTERIOR : POSTERIOR

- (A) In : Out
(B) Top : Bottom
(C) Head : Tail
(D) Front : Rear

Direction (Q. No. 33 and 34) : Answer the questions based on the information given below :

A, B, C, D, E, F and G are seven brothers. Two of the brothers A and B had an argument and A said to B, "You are as old as C was, when I was twice as old as D and will be as old as E was, when he was as old as C is now". B said to A, "You may be older than F, but G is as old as I was, when you were as old as G is, and D will be as old as F was, when F will be as old as G is".

33. Who is the youngest brother?

- (A) B
(B) D
(C) F
(D) Cannot be determined

34. Which two are probably twins?

- (A) D and G
(B) E and C
(C) A and B
(D) Cannot be determined

35. In the series 357, 363, 369, what will be the 10th term?

- (A) 405
(B) 411
(C) 413
(D) 417

Specimen Question Booklet
Paper-II

Annexure-X

- 36.** Find the wrong number in the series :

3, 8, 15, 24, 34, 48, 63

- (A) 15 (B) 24
(C) 34 (D) 48

- 37.** Find the wrong number in the series:

5, 10, 40, 80, 320, 550, 2560

- (A) 80 (B) 320
(C) 550 (D) 2560

- 38.** Find the wrong number in the series :

3, 2, 8, 9, 13, 22, 18, 32, 23, 42

- (A) 8 (B) 9
(C) 13 (D) 22

- 39.** In the series 7, 14, 28, ... what will be the 10th term?

- (A) 1792 (B) 2456
(C) 3584 (D) 4096

- 40.** Find the wrong number in the series : 8, 27, 125, 343, 1331

- (A) 8 (B) 343
(C) 1331 (D) No Error

Direction (Q. Nos. 41 to 46) : Each question consists of five statements followed by four options consisting of three statements put together in a specific order. From amongst the four given ones, choose the best option that indicates a valid argument i.e., where the third statement is a conclusion drawn from the preceding two statements. For example :

- I. Brand X is a cigarette.
II. All cigarettes are hazardous to health.
III. Brand X is hazardous to health.
IV. II, I, III indicates a valid option, as statement III can be concluded from statements I and II.

- 41.** I. All software companies employ knowledge workers.

II. Tara Tech employs knowledge workers.

III. Tara Tech is a software company.

IV. Some software companies employ knowledge workers.

V. Tara Tech employs only knowledge workers.

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

- 42.** I. Traffic congestion increases carbon monoxide in the environment.

II. Increase in carbon monoxide is hazardous to health.

III. Traffic congestion is hazardous to health.

IV. Some traffic congestions do not cause increased carbon monoxide.

V. Some traffic congestions are not hazardous to health.

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

- 43.** I. No patriot is a criminal.

II. XYZ is not a criminal.

III. XYZ is a patriot.

IV. PQR is not a patriot.

V. PQR is a criminal.

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

Paper-II

44. I. MBAs are in great demand.
 II. Ram and Sita are in great demand.
 III. Ram is in great demand.
 IV. Sita is in great demand.
 V. Ram and Sita are MBAs.
 (A) I, II, V
 (B) V, III, IV
 (C) I, V, II
 (D) V, II, I
45. I. All actors are handsome.
 II. Some actors are popular.
 III. Ram is handsome.
 IV. Ram is a popular actor.
 V. Some popular people are handsome.
 (A) I, III, IV
 (B) I, II, V
 (C) IV, III, I
 (D) V, IV, III
46. I. Modern industries are technology-driven.
 II. BTI is a modern industry.
 III. BTI is technology-driven.
 IV. BTI may be technology-driven.
 V. Technology-driven industry is modern.
 (A) I, II, III
 (B) I, II, IV
 (C) II, III, I
 (D) V, II, III

Direction (Q. Nos. 47 to 50) : Three of the given four words form a group due to their common traits. Choose the odd one out of the words. That is, the one that is least aligned with the other three words :

47. (A) Curd (B) Vinegar
 (C) Butter (D) Cheese
48. (A) Book (B) Bag
 (C) Pen (D) School
49. (A) Gold (B) Silver
 (C) Bronze (D) Platinum
50. (A) Cabbage (B) Potato
 (C) Carrot (D) Beetroot
51. Which of the following is **not** an interpersonal skill?
 (A) Communication
 (B) Empathy
 (C) Negotiation
 (D) Assertiveness
52. Which of the following skills is used to bring an end to disagreements at workplace?
 (A) Reliability
 (B) Conflict resolution
 (C) Listening
 (D) Emotional intelligence
53. How is empathy best defined?
 (A) Ability to handle workload
 (B) Being resourceful and finding solutions
 (C) Connecting with other people's feelings
 (D) Being fearless and asking tough questions

- 54.** Which of the following **does not** help develop empathy?
- (A) Curiosity
(B) Being biased
(C) Stepping out of comfort zone
(D) Engaging in difficult, respectful conversations

- 55.** Which of the following defines an interpersonal skill that entails not only giving orders and making plans for the organization but also draw the most out of others to put in their best?
- (A) Negotiation
(B) Teamwork
(C) Leadership
(D) Communication

- 56.** Which of the following represents 'negotiation' as an interpersonal skill?
- (A) Accepting constructive feedback
(B) Engaging in a discussion to reach a shared agreement
(C) Understanding the impact of being supportive
(D) Showing mutual respect to resolve differences

- 57.** Fill up the blanks with the **correct** words given below :

According to Peter F. Drucker ____ is doing things right; ____ is doing the right things.

- (A) leadership, management
(B) management, empathy
(C) empathy, leadership
(D) management, leadership

- 58.** Which of the following skills helps cultivate 'openness' as an interpersonal skill?

- (A) Flexibility (B) Planning
(C) Compassion (D) Humour

- 59.** Which of the following skills is mostly encouraged by leaders and organizations to have an effective feedback mechanism?

- (A) Reliability
(B) Positivity
(C) Openness
(D) Emotional intelligence

- 60.** Identify the quality which forms a part of communication skills.

- (A) Body language
(B) Experimenting
(C) Time management
(D) Waiting

- 61.** "The sum of behaviour is to retain a man's dignity without intruding upon the liberty of others", stated Sir Francis Bacon. If this is the case, then not intruding upon another's liberty is impossible.

The conclusion wrongly implied by the author from out of Sir Francis Bacon's statement is :

- (A) Retaining one's dignity is impossible without intruding upon other's liberty.
(B) Dignity and liberty can co-exist.
(C) There is always the possibility of a 'dignified intrusion'.
(D) Retaining dignity never involves intrusion into others' liberty.

Paper-II

- 62.** "Indigestion? Acidity? Unable to sleep? Do not waste time tossing and turning! Take De-Acido for a sound, restful sleep ..., you will soon fall asleep and wake up refreshed and energized. Remember De-Acido when you are suffering from acidity and need that sleep!"

All the following are claims of De-Acido except :

- (A) Quickly falling asleep
- (B) A good night's sleep
- (C) A cure to indigestion
- (D) Added energy

- 63.** Filmmakers tend to highlight their emotional points with visuals, rather than dialogue. Words tend to be the tools of playwrights while images are the stuff that films are made of. Nevertheless, many successful films have been made from stage plays and contain little else than one location or one stage set. The option most opposite to the idea in the paragraph is :

- (A) Films are not necessarily a filmmaker's medium.
- (B) Films are not limited to any one type or style.
- (C) Films are solely built upon visual and eye-catching scenes.
- (D) Films are better made by playwrights and novelists.

- 64.** The increase in the number of Reality shows on TV channels bolsters the contention that channel owners are more interested in boosting their revenues by pandering to the voyeuristic tendencies of viewers.

The premise behind the above argument is that

- (A) Reality shows on TV channels are a recent phenomenon
- (B) everything that a TV channel telecasts, should be educational
- (C) Reality shows make more money than other types of programs telecast by TV channels
- (D) TV channel owners can influence what is watched by the viewers

- 65.** An extract from a magazine's weekly forecast for different sun signs is given below :

Cancer (Crab) : June 22nd-July 22nd : "The efforts you make could set the stage for some new opportunities later. Keep ahead of the opposition by using your imagination and by being original".

The above forecast

- (A) is quite relevant and will allow Cancerians to plan their week much better
- (B) points out the advantage specifically for Cancerians using an imaginative approach
- (C) can only be written by experienced astrologers as such a forecast would surely be based on research
- (D) puts forth a generic principle that applies to all persons regardless of their sun sign

- 66.** Unlike other retail shops, where a customer could buy only as much as the required number of standard units of any item, in supermarkets the units are grouped in bulk packages. This bulk buying offers savings on prices to the customer. The option to buy at lower prices by buying in bulk makes supermarkets a practical choice for budget-conscious customers.

Which of the following is an assumption necessary to support the author's argument?

- (A) Supermarkets often have great buying power and lower overhead costs, so they can offer a greater variety of products to their customers at better prices than regular retail shops
- (B) The emergence of supermarkets has caused many small retail shops to shut down and thus eliminated competition
- (C) It is wiser to buy single items as bulk packages seldom offer significant savings
- (D) The money saved by buying in bulk outweighs the inconvenience of having to buy more than the quantity needed at the time by the customer

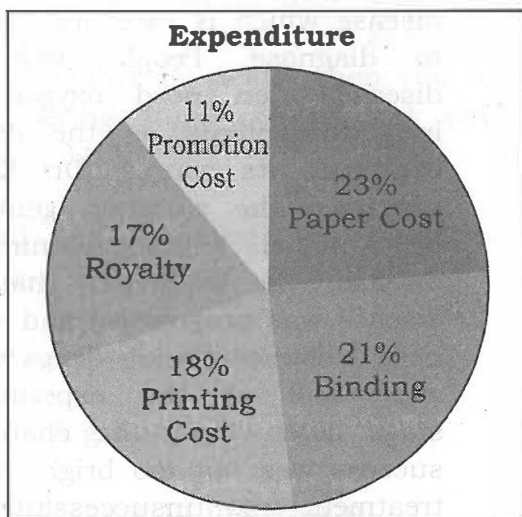
- 67.** Dr. Kumar worried about the test results of his patient, Ms. Annabel. She is a rich old widow with no dependants. The results indicate that she has a potentially fatal disease which is rare and difficult to diagnose. People with this disease often need oxygen and lung transplants as the disease continues its course. Dr. Kumar explained the situation gently to Ms Annabel. Without naming the disease, he explained that the disease was progressive and would need treatment using drugs which were still at the experimental stage. Even then, the chance of success was not too bright. If the treatment was unsuccessful, then she would have to undergo a lung transplant. The lung transplant itself was a risky course of treatment. Even if successful, she would require constant medical support and treatment. Ms. Annabel looked blank. She asked Dr. Kumar for his advice about the course of action to be taken. He nodded gravely, "I'm afraid, Ms. Annabel, there is only one course of action that we can take".

Which of the following would be the most appropriate course of action for Dr. Kumar to take?

- (A) Explain to Ms. Annabel in detail about the disease and let her decide on her own as to what needs to be done.
- (B) Leave the matter as it is : anyway, the outcome cannot be changed.
- (C) Give the treatment that he deems fit without telling Ms. Annabel about the disease.
- (D) Propose that Ms. Annabel should go for the experimental drugs.

Paper-II

68. The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart answer the question that follows :



If the printing cost increases by 0.5% of the total expenditure, approximately what percent of the amount spent for binding will have to be decreased to keep the total expenditure same?

- (A) 1%
- (B) 2.4%
- (C) 3.7%
- (D) 7%

69. Perhaps this war will pass like the others that divided us, leaving us dead, killing us along with the killers but the shame of this time puts its burning fingers to our faces. Who will erase the ruthlessness hidden in innocent blood?

Which of the following is certainly **not** implied in the above verse?

- (A) Killers also get killed in war
- (B) Humanity gets divided by war and reunites afterwards in peace
- (C) This war is especially ruthless
- (D) This war is shameful to the entire humanity

70. As the information on air warfare tasks and stressors was being gathered and scenarios were being developed, a parallel effort ensued to identify a test bed simulation for air warfare teams. To maintain experimental control, it was determined by the designers that choosing a low physical fidelity simulation was acceptable if cognitive fidelity in a team simulation was maintained through subjecting soldiers to pressure situations in a simulated combat setting and attempting to ensure that naturalistic decision-making of soldiers would not be compromised. Which of the following statements, if **true**, weaken the logic of the above passage?

- I. Several studies have shown that high levels of physical stress led to a weakening of the decision-making capabilities of human beings.
 - II. It has been convincingly demonstrated by various studies that human beings, by nature are not designed to adapt to high levels of mental stress.
 - III. Numerous studies have shown that simulated environments can be designed to be good substitutes for real-life combat situations.
 - IV. Studies have shown that simulated exercises for armed forces personnel have tended to induce a systematic type of "correct" and common behaviour among the trainees.
 - V. Officers, when short-listing soldiers for critical operations, pick up battle-hardened soldiers rather than those who have been trained through simulations.
- (A) I and II
 - (B) II and III
 - (C) I and IV
 - (D) I, II, IV, and V

- 71.** Two different prime numbers between 2 and 12 are chosen. When their sum is subtracted from their product, which of the following numbers is **not** obtained?

(A) 11 (B) 38
(C) 23 (D) 19

- 72.** Two non-zero real numbers, a and b , satisfy $ab = a + b$. Which of the following is a possible value of $(1/a)(a/b - b/a + ab)$?

(A) $-1/2$ (B) 2
(C) $1/2$ (D) -2

- 73.** Let $P(n)$ and $S(n)$ denote the product and the sum respectively, of the digits of the integer n . For example, $P(32) = 6$ and $S(32) = 5$. Suppose N is a two-digit number such that $N = P(N) + S(N)$. What is the maximum number of such numbers possible?

(A) 6 (B) 5
(C) 10 (D) 9

- 74.** When the decimal point of a certain positive decimal number is moved four places to the right, the new number is forty-nine times the reciprocal of the original number. What is the original number?

(A) 0.07 (B) 0.7
(C) 0.007 (D) 0.49

- 75.** The difference between the sum of the first 2023 even natural numbers and the sum of the first 2023 odd natural numbers is

(A) 2 (B) 2023
(C) 0 (D) 1

- 76.** Which of the following is the same as

$$\frac{6-9+12-15+18-24+30}{-8+12-16+20-24+32-40}$$

(A) $6/8$ (B) $3/4$
(C) $4/3$ (D) $-3/4$

- 77.** How many distinct four-digit numbers are divisible by 3 and have 32 as their last two digits?

(A) 30 (B) 9
(C) 27 (D) 45

- 78.** In this question, two quantities are mentioned, one at **Column—A** and another at **Column—B**.

Mark the answer using the following instructions :

- I. If the quantity in column A is greater
- II. If the quantity in column B is greater
- III. If the two quantities are equal
- IV. If the relationship cannot be determined.

Column—A	Column—B
The digits of a two-digit number gets reversed after adding 9 to it. The total number of such possible pairs of numbers.	The total number of faces of a solid formed by joining three cubes in a series.

(A) III (B) II
(C) IV (D) I

- 79.** For how many natural numbers n does $1 + 2 + 3 + \dots + 2n$ divide $12n$?

(A) 5 (B) 2
(C) 12 (D) 1

- 80.** How many three-digit numbers satisfy the property that the average of all the three digits is the middle digit?

(A) 47 (B) 54
(C) 45 (D) 59

ANNEXURE-XI

INSTRUCTIONS FOR SUBMITTING CLAIMS AND OBJECTIONS TO THE NOTIFIED ANSWER KEYS

1. Only candidates who have appeared for the MCSCC (Preliminary) Examination, 2022 can submit claims & objections to the Answer Keys.
2. ***Regardless of the Question Booklet Series given to you*** during examination, you can submit claims and objections to the answer keys **ONLY as per the question number given in the Specimen Question Booklet** hosted on the Commission's Website
3. Details required to submit claims and objections to the Answer Key
 - a. Registered Mobile No
 - b. Date of birth
4. Once you have submitted the required details, the Question that you have selected for submitting claim and objection along with the notified Answer Key will be displayed on the Screen
5. Then you have to select the correct answer as per your choice and furnish justification thereunder mentioning details of the text book/ authenticate source/ book names/ page number, etc. If there is inadequate evidence provided, the same is liable for rejection.
6. After that, you have to **upload the PDF files (other types of file extension will not be allowed except for .PDF File type)** containing details to support your selected answer key. Any request without the above said details will not be entertained.