



मौलाना आज़ाद नेशनल उर्दू यूनिवर्सिटी
MAULANA AZAD NATIONAL URDU UNIVERSITY
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Signature of Invigilator

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QUESTION PAPER BOOKLET

No. of Questions - 100

Duration of Exam - 2 hours

Total Marks: 200

INSTRUCTIONS TO THE CANDIDATES

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET DOES NOT HAVE ANY UNPRINTED OR TURN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. Do NOT write anything else on the Test Booklet.
4. This Test Booklet contains 100 items (Questions). Each item is printed in English. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response with you consider the best. In any case, choose ONLY ONE response for each item.
5. You have to mark all your responses ONLY on the separate Answer Sheet provided. See direction in the answers sheet.
6. All items carry equal marks. Attempt all items. Your total marks will depend only on the number of correct responses marked by you in the answer sheet. For every incorrect response 1/3rd of the allotted marks will be deducted. (Negative Marking Applies)
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9. Sheet for rough work is appended in the Test Booklet at the end.

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1) If 'ZERO' is written as 'CHUR', then how is 'PLAYER' written?

- (a) SOCACT
- (b) SODBHU
- (c) SODBHT
- (d) SODBGT

2) Consider the following including the Question and the Statements:

There are 5 members A, B, C, D, E in a family.

Question: What is the relation of E to B?

Statement-1: A and B are a married couple.

Statement-2: D is the father of C.

Statement-3: E is D's son.

Statement-4: A and C are sisters.

Which one of the following is correct in respect of the above Questions and Statements?

(a) Statement-1, Statement-2 and Statement-3 are sufficient to answer the Question.

(b) Statement-1, Statement-3 and Statement-4 are sufficient to answer the Question.

(c) All four statements together are sufficient to answer the Question.

(d) All four statements are not sufficient to answer the Question.

3) What is the sum of all digits which appear in all the integers from 10 to 100 ?

- (a) 855
- (b) 856
- (c) 910
- (d) 911

4) Consider the following statements:

- 1. A is older than B.
- 2. C and D are of the same age.
- 3. E is the youngest.
- 4. F is younger than D.
- 5. F is older than A.

How many statements given above are required to determine the oldest person/persons?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) All five

5) Let x be a positive integer such that $7x + 96$ is divisible by x .

How many values of x are possible?

- (a) 10
- (b) 11
- (c) 12
- (d) Infinitely many

6) If p, q, r and s are distinct single digit positive numbers, then what is the greatest value of $(p + q)(r + s)$?

- (a) 230
- (b) 225
- (c) 224
- (d) 221

7) The average rainfall in a city for the first four days was recorded to be 0.40 inch. The rainfall on the last two days was in the ratio of 4 : 3. The average of six days was 0.50 inch. What was the rainfall on the fifth day?

- (a) 0.60 inch
- (b) 0.70 inch
- (c) 0.80 inch
- (d) 0.90 inch

Passage-1

Really I think that the poorest he that is in England has a life to live, as the greatest he, and therefore truly, I think it is clear that every man that is to live under a government ought first by his own consent to put himself under the government, and I do think that the poorest man in England is not at all bound in a strict sense to that government that he has not had a voice to put himself under.

- 8) The above statement argues for
- (a) distribution of wealth equally to all
 - (b) rule according to the consent of the governed
 - (c) rule of the poor
 - (d) expropriation of the rich

Passage -2

An innovative India will be inclusive as well as technologically advanced, improving the lives of all Indians. Innovation and R&D can mitigate increases in social inequality and relieve the pressures created by rapid urbanization. The growing divergence in productivity between agriculture and knowledge-intensive manufacturing and services threatens to increase income inequality. By encouraging India's R&D labs and universities to focus on the needs of poor people and by improving the ability of informal firms to absorb knowledge, an innovation and research agenda can counter this effect. Inclusive innovation can lower the costs of goods and services and create income - earning opportunities for the poor people.

- 9) Which among the following is the most logical and rational assumption that can be made from the above passage?
- (a) Innovation and R&D is the only way to reduce rural to urban migration.
 - (b) Every rapidly growing country needs to minimize the divergence between productivity in agriculture and other sectors.
 - (c) Inclusive innovation and R&D can help create an egalitarian society.
 - (d) Rapid urbanization takes place only when a country's economic growth is rapid.

- 10) 125 identical cubes are arranged in the form of cubical block. How many cubes are surrounded by other cubes from each side?

- (a) 27
- (b) 25
- (c) 21
- (d) 18

- 11) Three of the five positive integers p , q , r , s , t are even and two of them are odd (not necessarily in order).

Consider the following:

1. $p + q + r - s - t$ is definitely even.
2. $2p + q + 2r - 2s + t$ is definitely odd.

Which of the above statements is/are correct?

- (a) 1 Only
- (b) 2 Only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

12) There are three traffic signals. Each signal changes colour from green to red and then from red to green. The first signal takes 25 seconds, the second signal takes 39 seconds and the third signal takes 60 seconds to change the colour from green to red. The durations for green and red colours are same. At 2:00 p.m, they together turn green.

At what time will they change to green next, simultaneously?

- (a) 4:00 p.m.
- (b) 4:10 p.m.
- (c) 4:20 p.m.
- (d) 4:30 p.m

13) Consider the following:

A, B, C, D, E, F, G and H are standing in a row facing North.

B is not neighbour of G.

F is to the immediate right of G and neighbour of E.

G is not at the extreme end.

A is sixth to the left of E.

H is sixth to the right of C.

Which one of the following is correct in respect of the above?

- (a) C is to the immediate left of A.
- (b) D is immediate neighbour of B and F.
- (c) G is to the immediate right of D.
- (d) A and E are at the extreme ends.

Passage – 3

India is at once among the fastest growing global economies and home to the largest number of malnourished children in world. There are regions where malnutrition is not the exception but the norm. And across the country,

malnutrition is the cause of death for roughly half the 1.3 million children who die before their fifth birthday each year. Even those children who survive suffer permanently from the damage that has already been done to their bodies and minds from not getting enough of the right foods and nutrients. Around 44 million children under 5 are stunted. That makes it harder for them to learn in school and subsequently earn a living as adults. Their lifetime earnings potential is almost a quarter less than that of their healthy peers.

14) With reference to the above passage, which of the following is/are the most rational and practical implication/implications?

1. India's Public Distribution System should be monitored by the Union Government.
2. Girls should be encouraged to delay marriage and first pregnancy.
3. Mothers should be encouraged to breastfeed their children immediately after birth.
4. The supply of safe drinking water and proper sanitation facilities to all should be ensured.
5. Authorities should ensure the vaccination should ensure the vaccination as prescribed.

Select the correct answer using the code given below.

- (a) 1, 2, 3 and 4
- (b) 2, 3, 4 and 5
- (c) 1 only
- (d) 3 and 5 only

- 15) The number 3798125P369 is divisible by 7.
What is the value of the digit P?
(a) 1 (b) 6
(c) 7 (d) 9

- 16) A Statement followed by Conclusion-I and Conclusion-II is given below. You have to take the Statement to be true even if it seems to be at variance from the commonly known facts. Read all Conclusions and then decide which of the given Conclusion(s) logically follows/follow from the Statement, disregarding the commonly known facts.

Statement: Some cats are almirahs.
Some almirahs are chairs. All chairs are tables.

Conclusion-I: Certainly some almirahs are tables.

Conclusion-II: Some cats may not be chairs.

Which one of the following is correct?

- (a) Only Conclusion-I
(b) Only Conclusion-II
(c) Both Conclusion-I and Conclusion-II
(d) Neither Conclusion-I nor Conclusion-II

- 17) In a class, 60% of students are from India and 50% of the students are girls. If 30% of the Indian students are girls, then what percentage of foreign students are boys?
(a) 45% (b) 40%
(c) 30% (d) 20%

Passage-4

Productive jobs are vital for growth and a good job is the best form of inclusion. More than half of our population depends on agriculture, but the experience of other countries suggests that the number of people dependent on agriculture will have to shrink if per capita incomes in agriculture are to go up substantially. While industry is creating jobs, too many such jobs are low-productivity non-contractual jobs in the unorganized sector, offering low incomes, little protection, and no benefits. Service jobs are relatively of high productivity, but employment growth in services has been slow in recent years.

- 18) Which among the following is the most logical and rational inference that can be made from the above passage?
(a) We must create conditions for the faster growth of highly productive service jobs to ensure employment growth and inclusion.
(b) We must shift the farm workers to the highly productive manufacturing and service sectors to ensure economic growth and inclusion.
(c) We must create conditions for the faster growth of productive jobs outside of agriculture even while improving the productivity of agriculture.
(d) We must emphasize the cultivation of high-yielding hybrid varieties and genetically modified crops to increase the per capita income in agriculture.

- 19)** There are 9 cups placed on a table arranged in equal number of rows and columns out of which 6 cups contain coffee and 3 cups contain tea. In how many ways can they be arranged so that each row should contain at least one cup of coffee?
- (a) 18
 - (b) 27
 - (c) 54
 - (d) 81

Passage-5

The very first lesson that should be taught to us when are old enough to understand it, is that complete freedom from the obligation to work is unnatural, and ought to be illegal, as we can escape our share of the burden of work only by throwing it on someone else's shoulders. Nature ordains that the human race shall perish of famine if it stops working. We cannot escape from this tyranny. The question we have to settle is how much leisure we can afford to allow ourselves.

- 20)** The main idea of the passage is that
- (a) it is essential for human beings to work
 - (b) there should be a balance between work and leisure
 - (c) working is a tyranny which we to face
 - (d) human's understanding of the nature of work is essential

Passage-6

If presents bring less thrill now that we are grown up, perhaps it is because we have too much already, or perhaps it is because we have lost the fullness of the joy of giving and with it the fullness of the joy of receiving. Children's fears are poignant, their miseries are acute, but they do not look too forward nor too far backward. Their joys are clear and complete, because they have not yet learnt always to add 'but' to every proposition. Perhaps we are too cautious, too anxious, too sceptical. Perhaps some of our cares would shrink if we thought less about them and entered with more single-minded enjoyment into the happiness that come our way.

- 21)** With reference to the passage, which one of the following statements is correct?
- (a) It is not possible for adults to feel thrilled by presents.
 - (b) There can be more than one reason why adults feel less thrilled by presents.
 - (c) The author does not know why adults feel less thrilled by presents.
 - (d) Adults have less capacity to feel the joy of loving or being loved.
- 22)** There are 6 persons arranged in a row. Another person has to shake hands with 3 of them so that he should not shake hands with two consecutive persons. In how many distinct possible combinations can the handshakes take place?
- (a) 3
 - (b) 4
 - (c) 5
 - (d) 6

23) Two Statements S1 and S2 are given below with regard to two numbers followed by a Question:

S1 : Their product is 21.

S2 : Their sum is 10.

Question: What are the two numbers?

Which one of the following is correct in respect of the above Statements and the Question?

(a) S1 alone is sufficient to answer the Question.

(b) S2 alone is sufficient to answer the Question.

(c) S1 and S2 together are sufficient to answer the Question, but neither S1 alone nor S2 alone is sufficient to answer the Question.

(d) S1 and S2 together are not sufficient to answer the Question

Passage - 7

Disruption of traditional institutions, identifications and loyalties is likely to lead to ambivalent situations. It is possible that some people may renew their identification with traditional groups whereas others align themselves with new groups and symbols emergent from processes of political development. In addition, political development tends to foster group awareness of a variety of class, tribe, region, clan, language, religion, occupation and others.

24) Which one of the following is the best explanation of the above passage?

(a) Political development is not a unilinear process for it involves both growth and decay.

(b) Traditional societies succeed in resisting positive aspects of political development.

(c) It is impossible for traditional societies to break away from lingering loyalties.

(d) Sustenance of traditional loyalties is conducive to political development

Passage-8

While awareness on use/misuse and abuse of antibiotics is common knowledge, as is the impact of dosing poultry with antibiotics, the environmental impact of antibiotics-manufacturing companies not treating their waste has scarcely been discussed at any length or seriousness thus far. Pollution from antibiotics factories is fuelling the rise of drug-resistant infections. The occurrence of drug-resistant bacteria surrounding the pharma manufacturing plants is well known.

25) Which one of the following statements best reflects the most logical and practical message conveyed by the passage?

(a) It is necessary to put proper effluent treatment protocols in place.

(b) It is necessary to promote environmental awareness among people.

(c) Spread of drug-resistant bacteria cannot be done away with, as it is inherent in modern medical care.

(d) Pharma-manufacturing companies should be set up in remote rural areas, away from crowded towns and cities.

26) Consider the following pairs with reference to different space missions and their main objectives:

Space Missions	Objectives
1. TEMPO Mission	Observing atmospheric air pollution
2. OSIRIS-REX Mission	Study an asteroid and collect its samples
3. NISAR	Measurement of the causes and consequences of land surface changes on Earth.
4. LOFTID	To help land humans on Mars

How many pairs given above are correctly matched?

- a) Only one pair
- b) Only two pairs
- c) Only three pairs
- d) All four pairs

27) Memory of the World (MoW) initiative of UNESCO primarily aims at preservation of:

- (a) Natural World Heritage sites.
- (b) Documentary heritage.
- (c) Historical monuments in war torn countries.
- (d) Intangible Cultural Heritage

28) With reference to various digital initiatives/portals sometimes seen in news, consider the following pairs:

Initiatives/Portals	Related to
1. SUPACE	strengthen e-Governance in Panchayats
2. Champions platform	for helping and promoting MSMEs
3. Bhasini	create a unified database for plants with medicinal properties across India.
4. UMANG	provides access to e-Governance services ranging from Central to Local Government.

How many pair/s given above is/are correctly matched?

- a) Only one pair
- b) Only two pairs
- c) Only three pairs
- d) All four pairs

29) “The Elephant Whisperers”, which has recently won the Best Documentary Short Film at the 95th Academy Awards. It was shot in the Theppakadu Elephant Camp. This camp is located in which of the following Tiger Reserves?

- (a) Sathyamangalam Tiger Reserve
- (b) Anamalai Tiger Reserve
- (c) Mudumalai Tiger Reserve
- (d) Kalakad Mundanthurai Tiger Reserve

30) Consider the following pairs with reference to the Inter-State border disputes in India and the states associated with them:

Disputed Region	States/UT involved
1. Belgaum	Maharashtra and Karnataka
2. Merapani	Nagaland and Arunachal
3. Langpih	Assam and Meghalaya

How many of the above given pairs are matched correctly?

(a) Only one pair (b) Only two pairs

(c) All three pairs (d) None

31) With reference to the recent amendments to the IT rules, 2021, consider the following statements:

1. Online gaming rules have been notified under the amendment.
2. Government designated Self-Regulatory Bodies (SRBs) will determine whether an online game is permissible or not.
3. Online games or sites that involve in wagering has been banned.

How many of the above statements are correct?

- (a) Only one (b) Only two
(c) All three (d) None

32) With reference to the Seventh Schedule of the Indian Constitution, consider the following statements:

1. Any changes in the subjects mentioned in the schedule requires a special majority of Parliament along with the consent of at least half of the State legislative assemblies.
2. The subjects that are not mentioned in the schedule are in the exclusive domain of the Parliament.
3. In case of any conflict between State laws and Union laws on a subject enumerated in the concurrent list of the schedule, the union law shall always prevail.

How many of the above statements are correct?

- (a) Only one
(b) Only two
(c) All three
(d) None

33) In the Rigvedic period, people believed mainly in

- (A) Idol worship
(B) One God belief
(C) Goddess worship
(D) Sacrifice and rituals

34) Consider the following statements regarding the political structure in India:

1. According to the recent Supreme Court judgement, only a “legislature party” shall have the power to appoint a whip in legislature, and not the "political party”.
2. The leader of the opposition in Parliament is a statutory post.
3. Anti-defection law empowers the speaker of Lok Sabha to take Suo-moto cognizance regarding a defection case.

Which of the above given statements is/are correct?

- a) 1 and 2 only
- b) 3 only
- c) 2 only
- d) 1, 2 and 3

35) Which of the following were common to both Buddhism and Jainism?

1. Avoidance of extremities of penance and enjoyment.
2. Indifference to the authority of the Vedas.
3. Denial of efficiency of rituals.
4. Non-injury to animal life.

How many of the above statements are correct?

- (A) Only one
- (B) Only two
- (C) Only three
- (D) All four

36) Who were the ‘Nayanars’?

- (A) Vaishnavites
- (B) Shaivites
- (C) Shaktas
- (D) Sun worshippers

37) Which among these is known as ‘Black Pagoda’

- (A) Shore Temple
- (B) Khajuraho Temple
- (C) Konark Sun Temple
- (D) Deogarh Temple

38) Match List-I with List-II and select correct answer with the help of code given below

List-I

- (a) Chalukyas
- (b) Pallava
- (c) Harsha
- (d) Pandya

List-II

1. Madurai
2. Kannauj
3. Badami
4. Kanchipuram

Code

- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | 3 | 4 | 2 | 1 |
| (B) | 4 | 3 | 2 | 1 |
| (C) | 1 | 4 | 2 | 3 |
| (D) | 1 | 3 | 2 | 4 |

39) Fawazil in the Sultanate period meant

- (A) Extra payment to the nobles
- (B) Revenue assigned in lieu of salary
- (C) Excess amount paid to the exchequer by the Iqtadar
- (D) Illegal exactions extracted from the peasants

40) In the context of the history of India, consider the following pairs.

Term	Description
1. Eripatti	: Land, revenue from which was set apart for the maintenance of the village tank
2. Taniyurs	: Villages donated to a single Brahmin or a group of Brahmins
3. Ghatikas	: Colleges generally attached to the temples

How many pairs given above is/are **incorrectly** matched

- (A) Only one (B) Only two
- (C) All three (D) None

41) Which one of the following Kings of the medieval India began the 'Public Distribution System'?

- (A) Alauddin Khalji
- (B) Balban
- (C) Firuz Shah Tughluq
- (D) Muhammad-Bin-Tughluq

42) Where is the famous Vijaya Vitthal Temple, having its 56 carved pillars mitting musical notes located

- (A) Belur
- (B) Bhadrachalam
- (C) Hampi
- (D) Srirangam

43) Who amongst the following Sultans built the fifth storey of Qutub Minar?

- (A) Qutbuddin Aibak
- (B) Iltutmish
- (C) Firuz Shah Tughluq
- (D) Sikandar Lodi

44) The Sufi saint who maintained that devotional music was one way of coming close to God was

- (A) Muinuddin Chishti
- (B) Baba Farid
- (C) Sayyid Muhammad Gisudaraz
- (D) Shah Alam Bukhari

45) Which medieval ruler introduced the system of 'patta' and 'qabuliyat' to help the peasants?

- (A) Alauddin Khalji
- (B) Muhammad-Bin-Tughluq
- (C) Sher Shah
- (D) Akbar

46) Read the following statements carefully

1. Gupta Emperors claimed divine rights for themselves
2. Their administration was highly centralised
3. They extended the tradition of land grants

How many of the statements given above are correct?

- (A) Only one (B) Only two
(C) All three (D) None

47) Which one of the following pairs does not form part of the six systems of Indian Philosophy?

- (a) Mimamsa and Vedanta
- (b) Nyaya and Vaisheshika
- (c) Lokayata and Kapalika
- (d) Sankhya and Yoga

48) Which of the following pairs are correctly matched?

1. Mrichchakatikam - Sudraka
2. Buddhacharita - Vasubandhu
3. Mudrarakshasa - Vishakhadatta
4. Harshacharita – Banabhatta

How many of the given pairs are correct?

- (A) Only one (B) Only two
(C) Only three (D) All four

49) Which one of the following emperors had the highest number of Hindu Generals in the Mughal army?

- (A) Humayun
(B) Akbar
(C) Nizamuddin
(D) Aurangzeb

50) Which one of the following was a journal brought out by Abul Kalam Azad?

- (A) Al-Hilal
(B) Comrade
(C) The Indian Sociologist
(D) Zamindar

51) In the grasslands, trees do not replace the grasses as a part of an ecological succession because of

- a) Insects and fungi
- b) Limited sunlight and paucity of nutrients
- c) Water limits and fire
- d) None of the above

52) With reference to the period of colonial rule in India 'Home Charges' formed an important part of the drain of wealth from India. Which of the following funds constituted 'Home Charges'?

1. Funds used to support the Indian Office in London.
2. Funds used to pay salaries and pensions of British personnel engaged in India.
3. Funds used for waging wars outside India by the British.

How many of the statements given above are correct?

- (A) Only one
- (B) Only two
- (C) All three
- (D) None

53) During the Indian Freedom Struggle, who among the following proposed that Swaraj should be defined as Complete Independence free from all foreign control?

- (A) Mazharul Haque
- (B) Maulana Hasrat Mohani
- (C) Hakim Ajmal Khan
- (D) Abul Kalam Azad

54) Which one of the following defines extremist ideology during the early phase of Indian freedom movement?

- (A) Stimulating the production of indigenous articles by giving them preference over imported commodities
- (B) Obtaining self-Government by aggressive means in place of petitions and constitutional ways
- (C) Providing national educational according to the requirements of the country
- (D) Organizing coups against the British empire through military revolt

55) Which of the following were the main objectives of the Khilafat Movement?

1. To rouse anti-British feelings among the Muslim of India.
2. To reform the Muslim society.
3. To demand separate electorates and preserve the Khilafat.
4. To save the Ottoman empire and preserve the Khilafat.

How many of the statements given above are **incorrect**?

- (A) Only one
- (B) Only two
- (C) Only three
- (D) None

56) Consider the following events connected with India's struggle for independence.

1. Gandhi-Irwin Pact
2. Karachi Session of Indian National Congress (1931)
3. Execution of Bhagat Singh
4. Poona Pact

Select the correct sequence of the events from the code given.

- (A) 1, 2, 3, 4
(B) 2, 1, 3, 4
(C) 4, 3, 2, 1
(D) 1, 3, 2, 4

57) An important aspect of the Cripps Mission of 1942 was

- (A) that all Indian States should join the Indian Union as a condition to consider any degree of autonomy for India
- (B) the creation of an Indian Union with Dominion status will be soon after the Second World War
- (C) the active participation and co-operation of the Indian People, communities and political parties in the British war efforts as a condition for granting Independence with full Sovereign status to India after the war
- (D) the framing of a Constitution for the entire Indian Union, with no separate constitution for any province and a Union Constitution to be accepted by all provinces

58) Which is incorrect about inflation?

- (A) Inflation indicated the rise in the price of basket of commodities on a point-to-point basis
- (B) The inflation rate in India is calculated on the basis of the wholesale price index
- (C) For some commodities retail prices are also considered for measurement of inflation
- (D) Inflation rate going down does not mean prices are declining

59) Consider the following.

1. Market borrowing
2. Treasury bills
3. Special securities issued to RBI

How many of these is/are component(s) of internal debt?

- (A) Only one (B) Only two
(C) All three (D) None

60) A redistribution of income in a country can be best brought through

- (A) Progressive taxation combined with progressive expenditure
- (B) Progressive taxation combined with regressive expenditure
- (C) Regressive taxation combined with regressive expenditure
- (D) Regressive taxation combined with progressive expenditure

61) Which of the following economists, introduced fiscal policy as a tool to rectify the Great Depression of 1929-30?

- (A) Prof. Keynes
- (B) Prof. Pigou
- (C) Prof. Marshall
- (D) Prof. Crowther

62) Blue Chip means

- (A) Share guaranteed by the government
- (B) Share listed in Stock Exchange
- (C) Share giving consistent high rate of return
- (D) None of the above

63) Red Herring Prospectus is a

- (A) Course Syllabi of an international university
- (B) Place where herring fish is found
- (C) Plan of action of leftist militants
- (D) Document to raise capital by a company

64) The financial instrument, through which Indian companies can raise money from overseas market in Rupees, is known as

- (A) RBI Bonds (B) Gold Bonds
- (C) Masala Bonds (D) Overseas Bonds

65) Consider the following statements.

1. The repo rate is the rate at which other banks borrow from the Reserve Bank of India.
2. A value of '0' for Gini Coefficient in country implies that there is perfectly equal income for everyone in its population.

Which of the statement(s) given above is/are correct?

- (A) Only 1 (B) Only 2
- (C) Both 1 and 2 (D) Neither 1 nor 2

66) In order to control credit, Reserve Bank of India should

- (A) increase CRR and decrease Bank rate
- (B) decrease CRR and reduce Bank rate
- (C) increase CRR and increase Bank rate
- (D) reduce CRR and increase Bank Rate

67) Why is the offering of 'teaser loans' by commercial banks is a cause of economic concern?

1. The 'teaser loans' are considered to be an aspect of sub-prime lending and banks may be exposed to the risk of defaulters in future.
2. In India, the 'teaser loans' are mostly given to entrepreneurs to set-up manufacturing or export units.

Which of the statement(s) given above is/are **incorrect**?

- (A) Only 1 (B) Only 2
- (C) Both 1 and 2 (D) Neither 1 nor 2

68) Darwin's theory of natural selection is based on

- (A) Over production
- (B) Struggle for existence and variation
- (C) Survival of the fittest
- (D) All of the above

69) Assertion (a): Devaluation of a currency may promote export.
Reason (r): Price of the country's products in the international market may fall due to devaluation.

In the context of the above two statements, select the correct answer from the codes given below.

Code

- (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

70) Plants growing on rocks are called

- (A) Epiphytes
- (B) Halophytes
- (C) Xerophytes
- (D) Lithophytes

71) With reference to the latest developments in stem cell research, consider the following statement.

1. The only source of human stem cells are the embryos at the blastocyst stage.
2. The stem cells can be derived without causing destruction to blastocysts.
3. The stem cells can regenerate themselves in vitro virtually forever.
4. Indian research centres also created a few cell lines which can be developed into many types of tissues.

How many of the above statements are correct?

- (A) Only one (B) Only two
- (C) Only three (D) All four

72) After bringing out of water fishes die because

- (A) They get excess quantity of oxygen
- (B) Their body temperature increases
- (C) They cannot breathe
- (D) They cannot move in water

73) Assertion (a): Amoeba reproduces by fission.

Reason (r): All unicellular organisms reproduce by asexual methods.

- (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

- 74) Which one of the following pairs is not correctly matched?
- | Hormone | Function |
|---------------|---------------------------------------|
| (A) Insulin | - regulation of blood glucose |
| (B) Melatonin | - regulation of sleep |
| (C) Oxytocin | - release of milk from mammary glands |
| (D) Gastrin | - regulation of blood pressure |

- 75) What is the difference between Bluetooth and Wi-Fi devices?
- (A) Bluetooth uses 2.4 GHz radio frequency band whereas WiFi can use 2.4 GHz or 5 GHz frequency band
- (B) Bluetooth is used for Wireless Local Area Networks (WLAN) only, whereas Wi-Fi is used for Wireless Wide Area Networks (WWAN) only
- (C) When information is transmitted between two devices using Bluetooth technology, the devices have to be in the line of sight of each other. But when Wi-Fi technology is used, the devices need not be in the line of sight of each other
- (D) The statement (A) and (B) given above are correct in this context

- 76) Assertion (a): Sodium metal is stored under kerosene.
Reason (r): Metallic sodium melts when exposed to air.
- (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

- 77) Consider the following statements.
1. Steam at 100°C and boiling water at 100°C contain same amount of heat.
 2. Latent heat of fusion of ice is equal to the latent heat of vaporization of water.
 3. In an air conditioner, heat is extracted from the room air at the evaporator coils and is ejected out at the condenser coils.
- How many of the statements given above are **incorrect**?
- (A) Only one
- (B) Only two
- (C) All three
- (D) None

78) Which one of the following statements best reflects the idea behind the “Fractional Orbital Bombardment System” often talked about in media?

- (A) A hypersonic missile is launched into space to counter the asteroid approaching the Earth and explode it in space.
- (B) A spacecraft lands on another planet after making several orbital motions.
- (C) A missile is put into a stable orbit around the Earth and deorbits over a target on the Earth.
- (D) A spacecraft moves along a comet with the same surface speed and places a probe on its surface.

79) Consider the following statements:

DNA Barcoding can be a tool to:

- 1. assess the age of a plant or animal.
- 2. distinguish among species that look alike.
- 3. identify undesirable animal or plant materials in processed foods.

How many of the above statements are correct?

- (A) Only one
- (B) Only two
- (C) All three
- (D) None

80) With reference to carbon nanotubes, consider the following statements:

- 1. They can be used as carriers of drugs and antigens in the human body.
- 2. They can be made into artificial blood capillaries for an injured part of human body.
- 3. They can be used in biochemical sensors.
- 4. Carbon nanotubes are biodegradable.

How many of the statements given above are correct?

- (A) Only one
- (B) Only two
- (C) Only three
- (D) All four

81) With reference to visible light communication (VLC) technology, which of the following statements are correct?

- (1) VLC uses electromagnetic spectrum wavelengths 375 to 780nm
- (2) VLC is known as short-range optical wireless communication
- (3) VLC can transmit large amounts of data faster than Bluetooth
- (4) VLC has no electromagnetic interference

How many of the statements given above are correct?

- (A) Only one
- (B) Only two
- (C) Only three
- (D) All four

<p>82) Which of the following group of countries represents the current G20 Troika ?</p> <p>(A) Indonesia, India, Argentina (B) Brazil, India, South Africa (C) Indonesia, India, Brazil (D) Australia, India, Brazil</p> <p>83) Consider the following statements about BRICS Summit held in August 2023 -</p> <ol style="list-style-type: none"> 1. It was the 13th BRICS Summit 2. It was chaired by South Africa 3. It was attended by Russian President Vladimir Putin 4. It's Theme was - "BRICS and Africa: Partnership for Mutually Accelerated Growth, Sustainable Development and Inclusive Multilateralism" <p>How many of the statements given above are correct?</p> <p>(A) Only one (B) Only two (C) Only three (D) All four</p> <p>84) Consider the following statements about the Presidential elections in India:</p> <ol style="list-style-type: none"> 1. "None of the above" (NOTA) option is not available to the electorate in the Presidential elections. 2. It is compulsory for all the elected MPs and MLAs to vote in the Presidential elections. 	<p>3. All the provisions of the Anti-Defection law are applicable to the Presidential elections. Which of the statements given above is/are correct?</p> <p>(a) 1 and 2 only (b) 1 only (c) 2 and 3 only (d) 1, 2 and 3</p> <p>85) The term 'Uniform Civil Code (UCC)' is often seen in the news. In this context, consider the following statements:</p> <ol style="list-style-type: none"> 1. A citizen can approach Supreme court for the enforcement of UCC under Article 32 of the Indian Constitution. 2. Manipur is the only state in India that is implementing the Uniform Civil Code. 3. A bill regarding the implementation of UCC cannot be introduced in Parliament by a private member. <p>How many of the statements given above are incorrect ?</p> <p>(A) Only one (B) Only two (C) All three (D) None</p>
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86) In the context of formation of deserts across the world due to various Ocean currents, consider the following pairs:

Deserts	Responsible Ocean currents
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- | | |
|-------------------|------------------|
| 1. Sahara Desert | Canaries Current |
| 2. Namib Desert | Benguela Current |
| 3. Atacama Desert | Humboldt current |
| 4. Mojave Desert | Oyashio current |

How many pairs given above is/are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) Only three pairs
- (d) All four pairs

87) These soils are generally found in the areas of heavy rainfall and high humidity. These soils are marked by the rich humus and high presence of organic matter. These soils are normally heavy and black in colour. These soils occur widely in the northern part of Bihar, southern part of Uttarakhand and the coastal areas of West Bengal, Orissa and TamilNadu.

The above paragraph best reflects which of the following soils?

- (a) Alluvial Soils
- (b) Peaty Soils
- (c) Black Soils
- (d) Laterite Soils

88) Arrange the following mountain peaks of India in the correct order of their location from East to West:

1. Kanchenjunga
2. Kamet
3. Nokrek
4. Nun-Kun

Select the correct answer using the code given

below:

- (a) 1-2-3-4
- (b) 3-2-1-4
- (c) 3-1-2-4
- (d) 1-3-4-2

89) The 'Triple Planetary Crisis' sometimes in news is related to?

- (a) Three major space events that can lead to large-scale extinction of certain species on Earth.
- (b) Three major activities that emit greenhouse gases (GHGs).
- (c) Three rapidly developing issues that are proving detrimental to our environment.
- (d) Three most dangerous geopolitical conflicts that can lead to World War.

90) Consider the following statements with reference to a River in India:

1. The river flows through the parts of Himachal Pradesh and Jammu and Kashmir.
2. It originates from Lahaul valley.
3. Marusudar is the largest tributary of this river.

Which of the following rivers is described as per the above statements?

- (a) Chenab
- (b) Jhelum
- (c) Ravi
- (d) Sutlej

91) In June 2023, Shangri-La Dialogue was held in Singapore. In this context, which of the following statements best describes the Shangri-La dialogue?

- (a) It is an inter-governmental security forum held annually by the International Institute for Strategic Studies (IISS).
- (b) It is an annual event to discuss politico-security, economic and socio-cultural engagement between India and ASEAN countries.
- (c) It is an inter-governmental forum on global economic stability held annually by the International Monetary Fund.
- (d) It is a conference on geopolitics and geoeconomics organized by the Observer Research Foundation (ORF).

92) This river is one of the east flowing rivers of India. It is formed by two major tributaries namely river Sankh and South Koel which originate in the state of Jharkhand. It is a major seasonal river of Odisha.

The above paragraph mentions which of the following rivers?

- a) Indravati River
- b) Baitarani River
- c) Brahmani river
- d) Mahanadi River

93) Which among the following may be the possible implications if global average temperature increases by 2 degrees from pre-industrial levels, in the near future?

1. Reduced yields in some crops.
2. Decreased labour productivity of Humans
3. Spread of vector-borne diseases
4. Loss of genetic diversity
5. Increase in frequency of earthquakes

Select the correct answer using the code given below:

- a) 3 and 4 only
- b) 1, 2, 3, and 4 only
- c) 1, 3 and 4 only
- d) 1, 2 3, 4 and 5

94) The United Nations Human Rights Council (UNHRC) is a United Nations body whose mission is to promote and protect human rights around the world. In this context, consider the following statements:

1. Membership to the UNHRC is open to all the Member States of the United Nations.
2. The members cannot be re-elected to UNHRC for two consecutive terms.
3. A complaint of human rights violation can be made in UNHRC against any member State of the United Nations.

How many of the statements given above are correct?

- (A) Only one (B) Only two
(C) All three (D) None

95) Which of the following are the impacts of indiscriminate use of 'Urea' on the environment?

1. Rising temperature of Earth.
2. Increased level of Nitrate contamination of Ground water.
3. Lead to Eutrophication of water bodies.
4. May decrease the soil Acidification in the long term.

Select the correct answer using the code given below:

- (a) 1, 3 and 4 only (b) 2 and 3 only
(c) 1, 2 and 3 only (d) 1, 2 and 4 only

96) The Minsk agreement, generally seen in news, is an agreement which sought to end the war between □

- (a) Armenia and Azerbaijan.
(b) Yemen and Houthi rebels.
(c) Ukraine and Russian separatist groups.
(d) Ethiopia and Eritrea.

97) Environmental Impact Assessment (EIA) is a tool used to identify the environmental, social and economic impacts of a project prior to decision-making. Consider the following statements with reference to EIA:

1. India provided the idea of EIA first time to the world for environmental protection.
2. EIA is notified in India under the Environment Protection Act, 1986.
3. EIA is explicitly mentioned in the Rio declaration on Environment and Development, 1992.

Which of the statements given above is/are correct?

- (a) 3 only
(b) 2 only
(c) 2 and 3 only
(d) 1, 2 and 3

98) Which one of the following statements is correct with reference to Southwest monsoon?

- a) Advance of the monsoon is much faster in the Arabian Sea than in the Bay of Bengal.
- b) Arabian Sea branch causes rainfall over an extensive area in central India.
- c) The monsoon enters West Bengal from the south-westerly direction.
- d) Bay of Bengal branch causes heavy rainfall in Tamil Nadu coasts.

99) With reference to the lending from the International Monetary Fund (IMF), consider the following statements:

1. It can lend money to countries for specific projects of international importance.
2. It can ask the countries seeking lending from it to undertake structural reforms in their economy.
3. It can lend money to any country which seeks its assistance.

How many of the statements given above are correct?

- (A) Only one
- (B) Only two
- (C) Only three
- (D) None

100) Which of the following groups of Industries represents the Eight core Industries in India?

- (a) Refinery Products, Fertilisers, Pharmaceuticals and Crude oil.
- (b) Cement, Steel, Fertilisers and Natural Gas.
- (c) Automobiles, Crude oil, Electricity and Coal.
- (d) Refinery Products, Steel, Coal and Textiles.

ROUGH WORK

