

KAS Paper-2 Prelims Re-exam 29-12-2024

DO NOT OPEN THIS QUESTION PAPER UNTIL YOU ARE ASKED TO DO SO

2024

SUBJECT CODE-590

QUESTION PAPER (PAPER-II)

Maximum Time: 2 Hrs

Maximum Marks: 200

P

Question Paper
Version Code

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INSTRUCTIONS

1. Immediately after the commencement of the Examination, you should check that Question Paper does NOT have any unprinted or torn or missing pages or question etc. If so, get it replaced by a complete 'Question Booklet' of the same Question Paper Version Code as printed in your OMR Answer sheet. If candidate uses faulty question paper without checking the all the pages of question paper, then candidate himself shall be held responsible.
 2. Read the instructions on the OMR Answer Sheet and Admission Ticket carefully. Violation of any of the instructions may lead to disciplinary action taken by the Commission.
 3. **The candidate shall ensure that the Question Paper Version Code printed on the OMR answer sheet is same as that of the question paper supplied to them. In case of any discrepancy, the candidates are required to get the same version code question paper as mentioned in OMR answer sheet from the invigilator.**
 4. All questions carry equal marks.
 5. You have to enter your Register Number in the Question Booklet in the box provided alongside. DO NOT write anything else on the Question paper.
- | Register Number | | | | | | | |
|-----------------|---|---|---|---|---|---|---|
| 2 | 4 | 0 | 9 | 3 | 0 | 5 | 3 |
| | | | | | | | |
6. This Question paper contains 100 questions. Each question 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, mark the response which you consider as the most appropriate. In any case, choose ONLY ONE RESPONSE for each question.
 7. Questions are printed both in Kannada and English. If there any confusion in the translation of Kannada questions candidate shall refer the questions in English and understand the questions.
 8. All the responses should be marked ONLY on the separate OMR Answer Sheet provided and ONLY in Black Ball Point Pen.
 9. **The candidate shall ensure that the Question Paper Version Code printed in the personalized OMR Answer Sheet matches with the Question Paper Version Code printed on the nominal roll. In case of any discrepancy the candidate shall give declaration regarding the actual Question Paper Version Code used by the candidate. If the candidate fails to give such declaration then the version code printed on the OMR answer sheet shall be considered for evaluation.**
 10. In case if candidate uses the personalized OMR Answer Sheet belonging to another candidate then the OMR Answer Sheet shall be considered as INVALID.
 11. The candidate shall affix his/her signature in the Personalized OMR Answer sheet in the space provided without fail. If the candidate fails to do so, then such OMR Answer Sheet shall be considered as INVALID.
 12. In case if the candidate uses the Non-personalized OMR Answer Sheet then the candidate shall write the Register number in the space provided and also encode the relevant circles. Also the candidate shall write the version code compulsorily and affix his/her signature in the space provided. If the candidate fails to do so then such OMR Answer Sheet shall be considered as INVALID. SHIKARAT.COM
 13. The candidate shall sign in the Nominal Roll (Attendance Sheet) without fail.
 14. If the candidate violates any of the above instructions, then the OMR Answer Sheet shall be considered as 'INVALID'.
 15. Immediately after the final bell indicating the conclusion of the examination, stop any further markings in the OMR Answer Sheet. The candidates shall not leave the examination hall till the OMR Answer Sheets are collected and accounted for by the Invigilator.
 16. The candidate shall retain Carbonless copy of the OMR answer sheet (candidate copy) till the announcement of final list and incase if the Commission directs the candidate to produce the candidate copy, then the candidate shall produce the same without fail.
 17. Sheets for rough work are appended at the end of the Question Paper. You should not make any marking on any other part of the Question Paper.
 18. **Penalty for Wrong answers:**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY THE CANDIDATE.
(i) There are four alternatives for the answer to every question. For each question for which wrong answer has been given by the candidate, one-fourth (0.25) of the marks assigned to that question will be deducted as penalty.
(ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.
(iii) If a question is left blank i.e., no answer is given by the candidate, there will be no penalty for that question.

Possession of Mobile Phones, Smart watches, Calculators and other Electronic/Communication gadgets of any kind are strictly prohibited inside the Examination venue.

ಗಮನಿಸಿ: ಸೂಚನೆಗಳ ಕನ್ನಡ ಆವೃತ್ತಿಯು ಈ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯ ಮುಂಭಾಗದಲ್ಲಿ ಮುದ್ರಿಸಲ್ಪಟ್ಟಿದೆ.

1 Which of the following is/are functioning as City Corporations in Karnataka?

- A. Belgaum
- B. Shivamogga
- C. Udupi
- D. Mandya
- E. Bellary

Choose the correct answer from the option given below.

- (1) Only one is correct
- (2) Only two are correct
- (3) Only three are correct
- (4) Only four are correct

2 Which one of the following corporations/boards entrusted for the development of Airports/Airstrips/ Helipads in Karnataka?

- (1) KIADB
- (2) KSSIDC
- (3) KSIIDC
- (4) KSFC

3 Which one of the following source of irrigation contributes highest percentage share to net irrigated area in Karnataka?

- (1) Canals irrigation
- (2) Tank irrigation
- (3) Wells irrigation
- (4) Tube wells/bore wells irrigation

4 Six books P, Q, R, S, T and U are placed side by side. R, Q and T have blue covers and other books have red covers. Only S and U are new books and rest are old. P, R and S are law reports and the rest are Gazetteers. Which books are old Gazetteers with blue covers?

- (1) Q and T
- (2) Q and R
- (3) Q and U
- (4) T and U

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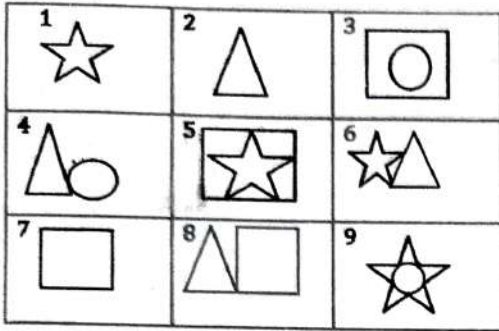
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- 5 Group the given figures into three classes using each figure only once :



- (1) 3, 4, 9; 5, 7, 8; 1, 2, 6
 (2) 1, 5, 6; 2, 4, 8; 3, 7, 9
 (3) 4, 6, 8; 3, 5, 7; 1, 2, 3
 (4) 1, 2, 7; 3, 5, 9; 4, 6, 8
- 6 Find the missing number in the following:

	R		T	
J		28	44	X
		14	?	
C		K		S
			O	

- (1) 34
 (2) 19
 (3) 18
 (4) 15

Consider the following for question 7 and 8:

A wealthy merchant had once come to meet Tenali Rama with following problem :

- A. She wanted to distribute her property equally among her two daughters, Arya and Sita, and one son Sonu.
 B. She has Rs. 7000 in form of farm produce, 1 house worth Rs. 5000, 3 parcels of land of Rs. 3000 each and some gold coins of Rs. 100 each.
 C. A single unit of Gold coin, single parcel of land and a house cannot be divided partially. Also, each child receives an equal number of gold coins.
 D. Arya receives least from farm produce while Sita receives the highest when Tenali Rama divided property.

- 7 How much did Sonu receive in farm produce?

- (1) Rs. 3000
 (2) Rs. 4000
 (3) Rs. 2000
 (4) Rs. 1000

- 8 How many parcels of land did Arya receive?

- (1) 1
 (2) 2
 (3) 3
 (4) Cannot be determined

- 9 Rupesh introduces Poonam as the daughter of the only son of my father's wife. How is Poonam related to Rupesh?

- (1) Cousin
 (2) Niece
 (3) Daughter
 (4) Aunt



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10 Which of the following statement/ statements is/are **incorrect** about the Kasturirangan Committee?

- A. The Committee was set up in 2010 to come up with the Karnataka Wildlife Action Plan.
- B. The Committee recommended the importance of involving local communities in environmental management, seeking a balance between development and conservation.
- C. The Karnataka Government has supported the recommendations of the report.
- D. After the committee's report, a Gadgil Committee on Western Ghats was prepared

Options:

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

11 Recently 'Tiger wings' was in news. Consider the following statements regarding this.

- A. It is an innovative vertical garden.
- B. It was designed by Patrick Blanc.
- C. It uses the water efficiently.
- D. Recently it was launched in Kempe Gowda International Airport.

Which of the above are correct?

- (1) All of them
- (2) Only three of them
- (3) Only two of them
- (4) Only one of them

12 Consider the following statements with reference to Karnataka Data Centre Policy 2022-27.

- A. The vision of the policy is making Karnataka a destination of choice for futuristic data centres.
- B. It aims to achieve low carbon foot point, renewable energy source-based powering for data centre.
- C. It aims to establish Special Economic Zone.
- D. It offers support through incentives and Income Tax exemptions.

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Which of the above statements are correct?

- (1) All the statements are correct
- (2) Only three statements are correct
- (3) Only two statements are correct
- (4) Only one statement is correct

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13 Consider the following statements.

- A. Infant mortality rate
- B. Under 5 mortality rate
- C. Neonatal mortality rate
- D. Early neonatal mortality rate

Which of the above indicators has shown a declining trend for the period of 2011-2020 for the state of Karnataka?

- (1) Only one of the above
- (2) Only two of the above
- (3) Only three of the above
- (4) All the above

14 Consider the Padma Awards 2024 from Karnataka and relevant field.

- A. Ms. Shashi Soni - Trade and Industry
- B. Shri Somanna - Social work
- C. Ms. Prema Dhanraj - Medicine
- D. Shri Rohan Bopanna - Sports

How many pairs are correctly matched?

- (1) Only one pair is correct
- (2) Only two pairs are correct
- (3) Only three pairs are correct
- (4) All of them are correct

15 Which of the following research institutions centre are situated in Karnataka?

- A. National Centre for Biological Sciences
- B. Indian Institute of Horticultural Research
- C. Central Power Research Institute
- D. ICMR-National Institute of Epidemiology

Choose the correct answer from the option given below.

- (1) All of them
- (2) Only three
- (3) Only two
- (4) Only one

16 The Karnataka State Wildlife Board (SBWL) is headed by -

- (1) Chief Minister of Karnataka
- (2) Forest Minister of Karnataka
- (3) Wildlife conservationist will be appointed by Governor of Karnataka
- (4) None of the above are correct

17 8 points lie on the circumference of a circle. How many more quadrilaterals can be formed by connecting these points compared to number of triangles?

- (1) 14
- (2) 24
- (3) 16
- (4) 18

18 A is $x\%$ more than B and is $x\%$ of sum of sum of A and B. What is the value of x ?

- (1) 50%
- (2) 62%
- (3) 75%
- (4) 37%

19 The James Webb Space Telescope (JWST) is a space telescope, launched in 2021, which conducts space astronomy in the _____ wavelength range of the electromagnetic spectrum.

- (1) Infrared
- (2) X-ray
- (3) Microwave
- (4) Radiowave

20 India's Chandrayaan-2 has mapped the abundance of which element for the first time?

- (1) Calcium
- (2) Sulphur
- (3) Sodium
- (4) Helium

21 Why a cyclist can easily balance the cycle while cycling?

- (1) Due to the friction of the road
- (2) Due to conservation of angular momentum
- (3) Due to conservation of energy
- (4) Due to Earth's gravitational pull

22 On a moonless night, when one looks up the night sky, can spot large number of stars with varying colours. Some appear blue, some appear red, few appear yellow etc. The brightest among them are:

- (1) blue stars
- (2) red stars
- (3) yellow stars
- (4) none of the above

23 Which of the following statement/ statements are **correct** about the Indicator species?

- A. Crayfish can indicate the quality of freshwater, because changes in water acidity are stressful to them.
- B. The health of corals can indicate trends such as seawater rise and sea temperature fluctuation, which in turn are signals of climate change.
- C. Peregrine falcons are an indicator of pesticides.

Answer Options:

- (1) B only
- (2) A and C
- (3) A and B
- (4) All of the above

24 In India, the crop that accounts for maximum share of pesticide consumption

- (1) Wheat
- (2) Paddy
- (3) Jowar
- (4) Fox tail millet

25 Identify the tribal community:

This tribal community worships their dairy-buffaloes with lots of veneration. They are seen as a pastoral tribe who herd buffaloes that roam the Nilgiri hills. Monogamy is an ideal norm. Residence after marriage is patrilocal. At the time of funeral rites, buffalo sacrifice is obligatory. Their distinctive Embroidery has got a GI Tag. The semi-barrel-shaped huts are very peculiar and have curious structures with no windows.

Answer Options:

- (1) Chenchu
- (2) Hakkipikki
- (3) Toda
- (4) Jenu Kuruba

26 Which of the following type of earthworm is a litter feeder?

- (1) Epigeic
- (2) Endogeic
- (3) Aneceic
- (4) None of the above

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27 Match the following Ramsar site and the States:

Ramsar sites	States
A. Rudra Sagar Lake	I. Haryana
B. Bakhira Wildlife Sanctuary	II. Tripura
C. Suitanpur National Park	III. Uttar Pradesh
D. Pala Wetland	IV. Mizoram

Answer Options:

- (1) A-IV, B-III, C-I, D-II
- (2) A-III, B-II, C-I, D-IV
- (3) A-II, B-III, C-I, D-IV
- (4) A-II, B-IV, C-III, D-I

28 Consider the following statements about Kelp Forest:

- A. They are montane forests that thrive well in cold temperatures.
- B. Pine (*Pinus wallichiana*), Deodar (*Cedrus deodara*) trees grow well in Kelp forest.

Which of the above statement/ statements is/are correct?

Answer Options:

- (1) A only
- (2) B only
- (3) Both A and B
- (4) None of the above

29 Consider the following statements about Blue Flag Programme :

- A. The Blue Flag Programme is run by the Foundation for Environmental Education and is headquartered in Nairobi, Kenya.
- B. Kasarkod Beach and Padubidri Beach are Blue Flag certified beaches from Karnataka.
- C. India has the highest number of Blue Flag certified beaches in the world.

Which of the above statement/ statements is/are correct?

- (1) A and B only
- (2) B only
- (3) A and C only
- (4) A, B and C only

30 During prolonged space missions, Astronauts often experience muscle atrophy. This is primarily due to _____.

- (1) Hyper gravity
- (2) Microgravity
- (3) High caloric intake
- (4) Increased radiation exposure

31 The Karnataka Renewable Energy Policy has been cleared by the State Government of Karnataka.

- A. This policy is for the period of 2024-29.
- B. This policy aims that in the five years, the state will have 10 GW renewable power generation capacity.
- C. By 2027, under this policy it has been aimed to have a share of 1 GW of energy produced from rooftop solar alone.

Options:

- (1) Only one statement is correct
- (2) Only one statement is wrong
- (3) All statements are correct
- (4) All statements are wrong

32 The Chief Minister of Karnataka presented the Budget for the state for the Financial Year 2024-25 on February 16, 2024.

- A. Two dedicated economic corridors will be developed between:
(i) Mangaluru Port and Bengaluru and (ii) Bidar and Bengaluru.
- B. Installed power generation capacity will be increased from 32,000 MW to 60,000 MW over the next seven years.

Which of the above statement/statements is/are correct?

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

33 In the context of the Budget for the state for the financial year 2024-25:

- A. The agriculture sector grew at a higher rate in 2022-23 than in 2021-22.
- B. Service sector grew at a lower rate in 2022-23 than in 2021-22.
- C. The per capita GSDP of Karnataka in 2022-23 (at current prices) increased by 13% over 2021-22.
- D. India's per capita GDP in 2022-23 is estimated to be less than half of Karnataka's per capita GDP. SHIKARAT.COM

Options:

- (1) Only one statement is correct
- (2) Only two statements are correct
- (3) Only three statements are correct
- (4) All statements are correct

34 In the context of the Sector-wise expenditure under Karnataka Budget 2024-25.

- A. Budgeted expenditure (2024-25) of Energy is more than that of Agriculture and Allied Activities.
- B. Budgeted expenditure (2024-25) of Police Department is more than that of Transport department.
- C. Budgeted expenditure (2024-25) of Health and Family Welfare is more than that of Irrigation and Flood Control

Which of the above statement/statements is/are correct?

- (1) A, B and C
- (2) B and C only
- (3) A only
- (4) None of the above

35 Consider the following under the **digital detox** initiative launched by the Government of Karnataka:

- A. The initiative is launched in collaboration with the All India Game Developers' Forum (AIGDF).
- B. The initiative has special emphasis on gaming and social media.

Choose the correct options:

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

36 Karnataka Government decided to roll out the 'Pragati Patha' scheme to -

- A. Improve and develop rural road network systematically and qualitatively.
- B. The scheme will cover a total length of over 10,000 kms covering all the constituencies of the state.

Which of the statement/s is/are correct?

- (1) A only
- (2) B only
- (3) A and B both
- (4) Neither A nor B

37 A new scheme called **Karnataka Raitha Samruddhi Yojane** was announced in the budget. The scheme will provide the farmers with guidance and support in respect of the following?

- A. Providing information on soil testing and soil characteristics.
- B. Making farmers aware of opportunities related to storage and value addition.
- C. Creating market linkages for farmers to get a good price for their produce.
- D. Selecting crops based on the soil characteristics and market demands.

Options:

- (1) Only one statement is correct
- (2) Only two statements are correct
- (3) Only three statements are correct
- (4) All statement are correct

38 As per the Karnataka Budget 2024-25:

A Spice Park will be developed in _____ district under public-private partnership to encourage spice growing farmers and to promote export of spices.

- (1) Chikkamagaluru
- (2) Kodagu
- (3) Mangaluru
- (4) Hassan

39 Which of the statements/statements is/ are **correct**?

- A. Global Resources Outlook 2024 was published by the International Energy Agency.
- B. Global Waste Management Outlook 2024 was published by UNEP and International Solid Waste Association.
- C. Living Planet report is a biennial assessment by conservation organisation of the World Wildlife Fund (WWF).

Answer options:

- (1) A only
- (2) A and B only
- (3) B and C only
- (4) C only

40 How many of the following pairs are correctly matched?

National Park	State
A. Mouling National Park:	Goa
B. Inderkilla National Park:	West Bengal
C. Anshi National Park:	Karnataka
D. Chandoli National Park:	Maharashtra
E. Mount Harriett National Park:	Mizoram

Answer options:

- (1) Only one pair
- (2) Only two pairs
- (3) Only three pairs
- (4) Only four pairs

41 Identify the waterfall:

The waterfall runs down through the Bhramagiri hills located in Kutta village of Kodagu. It is a stream of Lakshmana - Theertha river and also a sacred place. The water jets from about 60m high and finally joins river Cauvery. The famous temple of Lord Shiva, known as the Rameshwara Temple, is situated nearby. Wandering beyond the falls is restricted as the whole place is termed as a wildlife sanctuary.

Answer Options:

- (1) Gaganachukki Waterfall
- (2) Shivanasamudra Waterfall
- (3) Irpu Waterfall
- (4) Abbey Waterfall

42 Consider the following statements:

- A. The State Energy Efficiency Index 2023 (SEEI 2023) has been developed by Bureau of Energy Efficiency (BEE) in collaboration with Alliance for an Energy Efficient Economy (AEEE) to track EE initiatives in the states and UTs.
- B. Karnataka has been categorized as 'Front Runner' in the State Energy Efficiency Index 2023.

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

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

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43 How many zeros end the number $2^{300} \cdot 5^{600} \cdot 4^{400}$?

- (1) 300
- (2) 400
- (3) 500
- (4) 600

44 If x is a positive integer such that $2x + 91$ is perfectly divisible by x , then the number of possible values of x is

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

45 Diamond price is proportional to the square of its weight. This diamond broke into four pieces with weights in the ratio 1:2:3:4. Therefore the merchant got Rs. 70,000 less. The original price of the diamond is

- (1) 1.25 lakhs
- (2) 1.5 lakhs
- (3) 2 lakhs
- (4) 1 lakh

46 Each odd digit in the number 5263187 is added by 1 and each even digit is subtracted by 1. The digits obtained are arranged in ascending order. Which will be the third digit from the left of the new number?

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

Consider the following for questions 47 to 50:

In a chess tournament 64 players ranked 1 to 64 participated. Following were the rules of this knock-out tournament:

- I. There were six rounds in the tournaments.
- II. In the first round, Match 1 was played between player Ranked 1 vs player Ranked 64. Match 2 was played between player Ranked 2 vs player Ranked 63 and so on.
- III. In the second round, Match 1 was played between the winner of the Match No. 1 of the first round vs the winner of the Match No. 32 of the first round. Similarly, Match 2 was played between the winner of the Match No. 2 of the first round vs the winner of the Match No. 31 of the first round.
- IV. Next all rounds were played with the above mentioned rules.

47 Ranked 43 won the tournament, then which of the following players cannot be the runner-up?

- A. Player Ranked 44
- B. Player Ranked 45
- C. Player Ranked 46
- D. Player Ranked 36

Options:

- (1) A only
- (2) B and D
- (3) A and C
- (4) C only

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48 Who could be the lowest Ranked player facing the player seeded 29 in the finals?

- (1) 57
- (2) 59
- (3) 62
- (4) 63

49 If one of the matches was between the players seeded 14 and 55, then one of the matches in the tournament can be between players seeded

- A. 25 and 52
- B. 43 and 47
- C. 7 and 39
- D. 2 and 6

Options:

- (1) B and D
- (2) A and C
- (3) D and B
- (4) C only

50 If there are only five such cases when a lower Ranked player beats a higher Ranked player in the tournament, then who could be the lowest Ranked player winning the tournament?

- (1) 32
- (2) 16
- (3) 17
- (4) 63

51 Consider the following Statements :

No cats are dogs.

All dogs are animals.

Some animals are not cats.

Based on the above statements which is true:

- (1) Some cats are animals.
- (2) No dogs are cats.
- (3) All animals are dogs.
- (4) All dogs are cats.

52 Which of the following statements is logically equivalent to : **“If it rains, I will take an umbrella”**?

- A. If I take an umbrella, it will rain.
- B. If I do not take an umbrella, it will not rain.
- C. If it does not rain, I will not take an umbrella.
- D. If I do not take an umbrella, it will rain.

Answer Options:

- (1) A and B
- (2) C only
- (3) B and C
- (4) D only

53 When a plant is exposed to uneven watering, certain parts may grow faster than others, causing the plant to bend. Identify the best explanation for this phenomenon.

- (1) Roots grow towards water sources
- (2) Water stimulates growth in the drier side
- (3) The plant requires water for photosynthesis
- (4) Growth hormones accumulate in wetter side to promote cell elongation

54 According to the WHO, India is eradicated from which of the following diseases?

- (1) Polio, Trachoma, Yaws, Plague and Small pox.
- (2) Polio, Glaucoma, Filariasis, Plague and Malaria.
- (3) Plague, Trachoma, Malaria, Glaucoma and Sleeping sickness.
- (4) Plague, Small pox, Yaws, Filariasis and Sleeping sickness.

55 Which of the following are essential nutrients for human body?

- A. Carbohydrates and Proteins
- B. Vitamin B and Vitamin C
- C. Cholesterol and Vitamin D
- D. Magnesium and Phosphorus
- E. Iron and Zinc
- F. Water and Fats

Choose the correct answer from the options given below:

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

56 Name the process of measuring the concentration of chemicals in biological fluids to assess the health of an environment.

- (1) Bioremediation
- (2) Bio-monitoring
- (3) Bio-augmentation
- (4) Biodegradation

57 Match list I with List II

List I

List II

- | | |
|---------------|--|
| A. Physics | I. MicroRNA and Gene regulation |
| B. Medicine | II. Computational protein design |
| C. Peace | III. Traumas and fragility of human life |
| D. Chemistry | IV. World free of nuclear weapons |
| E. Literature | V. Synthesis of quantum dots |
| | VI. Nucleoside base modifications |
| | VII. Machine learning and artificial neural networks |

Answers:

- (1) A-III, B-II, C-I, D-IV, E-VI
- (2) A-II, B-I, C-III, D-V, E-IV
- (3) A-VII, B-I, C-IV, D-II, E-III
- (4) A-I, B-II, C-III, D-IV, E-V

58 Consider the following statements:

Assertion (A) :

Passenger pigeon is an extinct species.

Reason (R) :

A species is said to be extinct when there are no more individuals of that species alive anywhere in the world.

Choose the correct answer from the options given below:

- (1) Both Assertion and Reason are true and Reason is the correct explanation of the Assertion.
- (2) Both Assertion and Reason are true but Reason is not the correct explanation of the Assertion.
- (3) Assertion is true but Reason is false.
- (4) Both Assertion and Reason are false.

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59 Which of the following statement/ statements is/are correct?

- A. BBMP recently launched 'Nambike Nakshe' which provides building plan approval completely online.
- B. It applies for the construction of independent houses on plots sized more than 50*80 square feet.
- C. Applicants are given a maximum of 30 days to pay the fees to the BBMP through an online payment gateway.
- D. BBMP plans to issue a final building license in 15 days with a digital signature.

Options:

- (1) Only one statement is correct
- (2) Only two statements are correct
- (3) Only three statements are correct
- (4) All the statements is correct

60 Which of the following statement/ statements is/are **incorrect**?

- A. Rajyotsava Awards, the highest civilian awards, are conferred annually by the Karnataka Government on the occasion of Kannada Rajyotsava, marked on November 1.
- B. The award carries a purse of Rs. 1 lakh, a 20-gm gold medal and a citation.
- C. A committee of 5 members is formed to select the awardees in the field of medicine, law, music, theater, cinema, amongst many more.
- D. This year the government is set to confer the awards on 69 people.

Options:

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

61 Which of the statement/statements is/ are correct?

- A. Karnataka plans to offer six days of paid menstrual leave annually for women only in private sectors.
- B. Karnataka is the second state to come out with such a policy after Kerala.

Options:

- (1) A only
- (2) B only
- (3) Both A & B
- (4) None of the above

62 Recently Karnataka Government has launched 'Ovitrap Basket'. Consider the following statements.

- A. They are the special traps designed to attract and kill mosquitoes like Aedes.
- B. It is a pot shaped device filled with water and chemicals.
- C. It was first launched in BBMP, Bangalore.
- D. Electricity is required for functioning of the device.

Which of the above statements are wrong?

- (1) D only
- (2) C only
- (3) C and D only
- (4) None of the above

63 Which of the following are declared as Fish Sanctuaries in Karnataka?

- A. Mattur - Hosahalli, Shivamogga
→ Tunga River
- B. Seethanadi, Karkala →
Seethanadi River
- C. Shishila, Belthangadi →
Kumaradhara River
- D. Bhagavathi Chaya Kolla,
Surapura Taluk → Krishna
River

How many pairs are matched correctly?

- (1) Only one is correct
- (2) Only two are correct
- (3) Only three are correct
- (4) All the above are correct

64 Which of the following statement/ statements is/are correct?

- A. The Government of Karnataka has recently launched 'VentuRISE-Global startup Challenge 2024' to recognise, reward and support growth stage startups.
- B. The challenge will focus on Electronics System Design and Manufacturing only.
- C. The winners will share a prize pool of \$300,000 and receive mentorship from industry leaders.
- D. It is started by the Department of Electronics, Information Technology and Biotechnology.

Options:

- (1) A and C only
- (2) C and D only
- (3) All the statements are correct
- (4) All the statement are wrong

65 How many of the following statement/ statements are **correct** about Jingkieng Jri or Living Root Bridges?

- A. It is found in the evergreen forest eco-region of Andaman Islands.
- B. These structures are made by indigenous Jarawa tribal communities which have performed in extreme climatic conditions for centuries, and encapsulate a profound harmony between humans and nature.
- C. They are used by locals as bridges, ladders and steps which provide a reliable mode of transport especially during monsoon season.

Answer Options:

- (1) Only one
- (2) Only two
- (3) Only three
- (4) None of the above

66 Which of the following statement/ statements are **correct** about Special Operations of Wildlife Crime Control Bureau (WCCB)?

- A. Operation Soft Gold aims towards curbing the menace of illegal wildlife trade in Tibetan antelope (Shahtoosh).
- B. Operation Wildnet aims to stop the illegal sale of wild animals online.
- C. Operation Birbil aims to inspect the illegal turtle trade.

Answer Options:

- (1) B only
- (2) A and B only
- (3) C only
- (4) B and C only

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67 The **Pantanal** is the largest tropical wetland and one of the most pristine in the world. It sprawls across three South American countries. What are these?

- (1) Columbia, Ecuador, Peru
- (2) Brazil, Columbia, Venezuela
- (3) Argentina, Bolivia, Chile
- (4) Bolivia, Brazil, Paraguay

68 How many of the following are marine mammals?

- A. Dolphin
- B. Walrus
- C. Sea Horse
- D. Porpoise
- E. Dugong
- F. Shark
- G. Seal

Answer Options:

- (1) Only two
- (2) Only three
- (3) Only four
- (4) Only five

69 Consider the following statements/ statements about the Compensatory Afforestation Fund Act, 2016:

- A. The Act provides for the establishment of a fund under the Contingency Fund of India.
- B. The Supreme Court of India in the T.N. Godavarman Thirumulpad case 2002 observed that a Compensatory Afforestation Fund be created.
- C. The term "net present value" is defined under the act.

Which of the following statements/ statements is/are correct?

- (1) A and B only
- (2) B and C only
- (3) A and C only
- (4) A, B and C

70 Primarily, cloud is a dispersion of

- (1) Neutral water molecules suspended in air
- (2) Charged water particles dispersed in air
- (3) Smoke and water vapours dispersed in air
- (4) Smoke in air

71 The "Natural Capital Accounting and Valuation of Ecosystem Services" (NCAVES) project, launched in 2017 aims to enhance knowledge and develop policy applications of environmental-economic accounting. In this context, which of the following statement/statements is/are **incorrect**?

- A. The project is implemented by the United Nations Statistics Division, United Nations Environment Programme, and the Convention on Biological Diversity (CBD).
- B. Ministry of Statistics and Programme Implementation (MoSPI) is the nodal agency for the implementation of NCAVES in India.
- C. At the sub-national level, in the State of Karnataka, a suite of ecosystem accounts has been developed led by the Indian Institute of Science.

Answer Options:

- (1) A only
- (2) B only
- (3) C only
- (4) None of the above

72 Consider the following statements/statements about Indian Leopard:

- A. Indian Leopard is a nocturnal animal.
- B. They are unique in the sense that female Indian Leopard always weigh heavier than male Indian Leopard.
- C. Leopard safari was launched at Bannerghatta Biological Park.
- D. Indian Leopard is classified as "Vulnerable" by IUCN Red list.

How many of the following statement/statements are **correct**?

- (1) Only one statement is correct
- (2) Only two statements are correct
- (3) Only three statements are correct
- (4) All the four statements are correct

73 Which of the following statement/ statements are correct?

- A. In Karnataka, Lithium reserves are found in Mandya District.
- B. Kudremukh Iron Ore Company Limited is the sole exploration agency which is exploring the area for lithium reserves.
- C. The thermonuclear application makes Lithium as "Prescribed substance" under the Atomic Energy Act, 1962.

Options:

- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) A, B and C

74 Which of the following are electricity distribution companies in Karnataka?

- A. HESCOM
- B. KPTCL
- C. CESCO
- D. KPCL
- E. KAVIKA

Choose the correct answer from the options given below :

- (1) Only one is correct
- (2) Only two are correct
- (3) Only three are correct
- (4) Only four are correct

75 In India's Electric Vehicle (EV) revolution, according to the Bureau of Energy Efficiency (BEE) which of the following is/are correct:

- A. Karnataka is second after Maharashtra with the highest number of public EV charging stations in the country.
- B. Karnataka is the first state in India to introduce an EV policy in 2017.
- C. The State Budget 2024 announced the establishment of 2,500 new EV charging stations across the state via the PPP model.

Choose the correct answer:

- (1) A, B and C
- (2) B and C only
- (3) A only
- (4) None of the above

76 Consider the following about **Shiksha Copilot**, identify the correct options:

- A. It is an AI-powered digital assistant.
- B. It is implemented to empower teachers to create comprehensive and personalized teaching resources.

Options:

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

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77 Consider the following statements about Swavalambi Sarathi Scheme:

- A. Under this scheme, the Scheduled Tribe youth and women will be provided with a subsidy and bank loan facility to start self-employment units.
- B. 90% of the unit cost or a maximum of Rs. 5.00 lakhs will be subsidy for the purpose of purchasing goods transport vehicle.

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

- (1) A only
(2) B only
(3) Both A and B
(4) Neither A nor B

78 Recently (August, 2024) which of the following was announced as a Peacock Sanctuary?

- (1) Adichunchanagiri
(2) Mullayanagiri
(3) Kudremukh
(4) Brahmagiri

79 Consider the following about Kyasanur Forest Disease:

- A. Spread to people primarily occurs through tick bites or contact with infected animals.
- B. Kyasanur Forest Disease cannot be fatal.
- C. There is no vaccine available for people at risk for Kyasanur Forest Disease.
- D. Kyasanur Forest Disease, also known as monkey fever, is a unique public health problem along the belts of Western Ghats of India

Which of the above statement/statements is/are correct?

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

80 Consider the following statements about the India's largest helicopter manufacturing facility:

- A. India's largest helicopter manufacturing facility is in Tumkuru District of Karnataka.
- B. The factory is called Hindustan Aeronautics Limited (HAL) Helicopter Factory.
- C. It is a greenfield project of the defense PSU.
- D. HAL plans to produce more than 1,000 helicopters in the range of 3-15 tonnes over a period of 20 years.

Which of the above statement/statements is/are correct?

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

Direction : Answer the questions 81-83 by considering the following seating arrangement:

A, B, C, D, E, F and G are 7 friends sitting in a single row facing North. D is to the immediate right of C. E and A are neighbours of F. B is to the immediate left of C and on second place from left most end. A is at the right most end.

81 Who is in between C and E?

- (1) F
- (2) D
- (3) A
- (4) B

82 Who is the neighbour of G?

- (1) E
- (2) A
- (3) B
- (4) D

83 What is the position of E from left?

- (1) 3rd
- (2) 5th
- (3) 2nd
- (4) 4th

84 In a class of 45 students Aditya's rank is twelve from top. What is his rank from the bottom?

- (1) 33
- (2) 34
- (3) 35
- (4) cannot be determined

85 If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that language?

- (1) ANLAZX
- (2) CPNCBZ
- (3) CPOCBZ
- (4) DQODCA

86 Deepak said to Nitin, "That boy playing football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?

- (1) Son
- (2) Brother
- (3) Cousin
- (4) Nephew

87 In a queue, the position of A from the front is 7th and the position of B from the front is 15th and 21st from the back. Now find the position of A from the back.

- (1) 30th
- (2) 28th
- (3) 29th
- (4) 31st

88 A person has a total of 1060 rupees in coins of five rupee, two rupee, one rupee and fifty paisa coins in the proportion 2:4:7:3. Find the number of two rupee coins.

- (1) 80
- (2) 280
- (3) 160
- (4) 120

89 The question given below has two statements followed by three conclusions. By assuming the statements are true, find out from the given conclusions, that which of the conclusions is logically correct.

Statements :

- (i) All doors are tables
- (ii) No tables are chairs

Conclusion :

- I. No doors are chairs
- II. No chairs are doors
- III. Some tables are doors

Answer Options:

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

90 What is the greatest number of regions into which three straight lines (of infinite extent) can divide the plane?

- (1) 5
- (2) 6
- (3) 7
- (4) 8

91 There are more adults than boys, more boys than girls, more girls than families. If no family has fewer than 3 children, then what is the least number of families that there could be?

- (1) 4
- (2) 3
- (3) 2
- (4) 1

92 A ten foot pole is dropped into a milling saw and randomly cut into three shorter poles. What is the probability that these three pieces will form a triangle?

- (1) 1/2
- (2) 1/3
- (3) 2/3
- (4) 1/4

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- 93 In the context of the Budget for the state for the Financial Year 2024-25
- A. Karnataka has allocated towards **agriculture**, which is higher than the average expenditure on agriculture by Indian states in 2023-24.
 - B. Karnataka has allocated on **rural development**, which is lower than the average allocation for rural development by Indian states in 2023-24.
 - C. Karnataka has allocated on **education**, which is lower than the average allocation for education by Indian states in 2023-24.

Choose the correct options:

- (1) A, B and C
- (2) B and C only
- (3) A and B only
- (4) A only

- 94 Consider the following matches.

- A. Rice Technology Park - Karatagi
- B. Maize Technology Park - Ranebennur
- C. Coconut Technology Park - Udupi
- D. Tur Technology Park - Kalaburagi

Choose the correct answer from the option given below.

- (1) Only one match is correct
- (2) Only two matches are correct
- (3) Only three matches are correct
- (4) All matches are correct

- 95 Which of the following statement/statements is/are correct?

- A. E-khata has now been mandatory for registration of all types of properties including residential and commercial land.
- B. Agricultural land has been exempted from e-khata.
- C. It will help avoid fictitious transactions using fake manual khata and streamline the process.

Options:

- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) A, B and C

- 96 Which of the following statement/statements is/are correct?

- A. Mysuru Dasara festival is celebrated over 12 days starting with Navratri and on the 12th day, the idol of Goddess Chamundeswari is carried in grand procession.
- B. It is celebrated because the Goddess Chamundeswari slew the demon Mahishasura on Vijayadashami day.
- C. Mysurus Dasara is the state festival-Nadahabba of Karnataka
- D. The custom of Mysuru Dasara extends to the days of the Vijayanagar Empire and was inherited by the Wodeyars of Mysuru.

Options:

- (1) A, B and C
- (2) B, C and D
- (3) A, C and D
- (4) All of the above

- 97 Consider the following about **Neelakurinji flowers**:
- A. It is the famed shrub found in Western Ghats, covering the slopes of Tamil Nadu and Karnataka only.
 - B. These flowers are said to grow at an altitude of less than 1300 meters and it blooms once in 12 years.
 - C. There are 250 variations of these flowers found across the world, of which 46 variations are seen in India.
 - D. These flowers also attract bees that pollinate, it leads to extraction of a rare kind of honey.

Which of the above statement/statements is/are correct?

- (1) C and D only
- (2) A and B only
- (3) A and C only
- (4) B and D only

- 98 Consider the following statements and choose the correct option from below:

- A. Paternity leave can be availed only by married male government employees.
- B. Single male parents like unmarried individuals, divorced men and widowers are only allowed a paternity leave of 15 days.
- C. Married male parents are allowed a paternity leave of 45 days.

Options:

- (1) Only one statement is correct
- (2) All the statements are correct
- (3) All the statements are incorrect
- (4) Only two statements are correct

- 99 Consider the following about Project Madhunetri:

- A. The project aims to enable the screening of patients with diabetes with mobile screening devices and initiate early treatment for diabetic retinopathy (DR) at completely no cost.
- B. Diabetic retinopathy is an eye condition that affects the blood vessels in the retina and can cause vision loss and blindness on people who have diabetes.

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

- (1) A only
- (2) B only
- (3) Both A and B
- (4) None of the above

- 100 Which of the statement/statements is/are **correct about Namma Smaraka**?

- A. Namma Smaraka are the archaeological sites that are recently excavated and depict the history and culture of Karnataka.
- B. Namma Smaraka sites can be adopted by corporate companies to conserve, preserve and protect these sites and develop basic tourism infrastructure.

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

- (1) A only
- (2) B only
- (3) Both A and B
- (4) None of the above