

**SERICULTURE EXTENSION OFFICER (HK) IN THE DEPARTMENT OF SERICULTURE**

**Examination held on 26-07-2023 (FN)**

**General Paper (Paper - 1) (Subject Code: 541)**

**KEY CHART**

**Question Booklet Series - 'C'**

**Total Marks : 300**

**3 Marks for each question**

<b>Question Number</b>	<b>Key Answer</b>	<b>Question Number</b>	<b>Key Answer</b>	<b>Question Number</b>	<b>Key Answer</b>	<b>Question Number</b>	<b>Key Answer</b>
1	2	26	3	51	4	76	1
2	1	27	3	52	1	77	1
3	1	28	1	53	2	78	1
4	3	29	2	54	3	79	2
5	1	30	2	55	2	80	2
6	1	31	3	56	3	81	3
7	2	32	1	57	3	82	2
8	4	33	3	58	1	83	4
9	4	34	3	59	3	84	1
10	3	35	2	60	1	85	3
11	2	36	3	61	2	86	4
12	1	37	3	62	4	87	1
13	3	38	1	63	4	88	1
14	1	39	3	64	3	89	2
15	3	40	2	65	4	90	3
16	1	41	2	66	2	91	1
17	3	42	1	67	1	92	3
18	4	43	1	68	3	93	4
19	3	44	3	69	2	94	2
20	2	45	2	70	4	95	1
21	3	46	3	71	3	96	3
22	1	47	2	72	1	97	3
23	4	48	1	73	4	98	4
24	1	49	3	74	2	99	4
25	4	50	1	75	3	100	1

**Note: Every question for which wrong answer has been given by the candidate,  $\frac{1}{4}$  th (0.25) of the marks assigned for that question will be deducted.**

**Sd/-  
Controller of Examination  
Karnataka Public Service Commission  
Bengaluru.**

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

2023

Question Paper Version Code

C

QUESTION BOOKLET  
GENERAL PAPER (PAPER—1)

SUBJECT CODE : 541

Time Allowed : 1½ Hours

Maximum Marks : 300

INSTRUCTIONS

1. Immediately after the commencement of the Examination, you should check that the Question Booklet does NOT have any unprinted or torn or missing pages or questions 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 all the pages of the question paper, then the 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 matches with the Question Paper Version Code printed on the Question Booklet. In case of any discrepancy, the candidate shall get the same Version Code Question Paper as mentioned in the OMR Answer Sheet from the Commission.
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 Booklet.
6. This Question Booklet contains 100 questions. Each question contains one or more responses. You will select the response which you want to mark on the OMR Answer Sheet. If there is more than one correct response, mark the response which you consider as the most appropriate for each question. If the candidate encodes more than one answer, only one answer shall be considered as valid.
7. Questions are printed both in Kannada and English. If there is more than one correct response, choose 'ONLY ONE RESPONSE' as the correct answer. The candidate shall refer the questions in English and Kannada. In the translation of Kannada questions, any discrepancy shall be considered as invalid.
8. All the responses should be marked ONLY on the OMR Answer Sheet. In the translation of Kannada questions, any discrepancy shall be considered as invalid.
9. The candidate shall ensure that the OMR Answer Sheet matches with the Question Paper Version Code printed in the personalized OMR Answer Sheet printed on the nominal roll. In case of any discrepancy, the candidate shall get the same Version Code Question Paper as mentioned in the OMR Answer Sheet from the Commission.
10. In case if candidate's OMR Answer Sheet belongs to another candidate, then the OMR Answer Sheet shall be considered as invalid.
11. The candidate shall write his/her signature in the OMR Answer Sheet in the space provided without fail. If the candidate does not write his/her signature, then such OMR Answer Sheet shall be considered as invalid.
12. If the candidate uses a non-personalized OMR Answer Sheet, then the candidate shall write the Register Number and the version code compulsorily in the space provided. Also the candidate shall write the version code compulsorily in the space provided. If the candidate fails to do so, then such OMR Answer Sheet shall be considered as invalid.
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 candidates shall retain Carbonless copy of the OMR Answer Sheet (candidate copy) till the announcement of final list and in case 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 Booklet. You should not make any marking on any other part of the Question Booklet.
18. Penalty for Wrong answer :  
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 ಪ್ರಶ್ನೆಪುಸ್ತಕದ ಮುಂಭಾಗದಲ್ಲಿ ಮುದ್ರಿಸಲ್ಪಟ್ಟಿದೆ.

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(44)

UU23/7(021)—126×4

1. Consider the following statements :

**Assertion (A)** : Sustainable development is critical to well-being of human society.

**Reason (R)** : Environmentally sound policies do not harm the environment or deplete the natural resources.

Choose the **correct** code :

- (1) Both **(A)** and **(R)** are **correct** and **(R)** is the **correct** explanation of **(A)**
- (2) Both **(A)** and **(R)** are **correct**, but **(R)** is not the **correct** explanation of **(A)**
- (3) **(A)** is true and **(R)** is false
- (4) **(A)** is false and **(R)** is true

2. Consider the following statements :

**Assertion (A)** : Indoor air pollution is a serious health hazard.

**Reason (R)** : The dispersal of air pollutants is rather limited in indoor environment.

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

- (1) Both **(A)** and **(R)** are **true** and **(R)** is the **correct** explanation of **(A)**
- (2) Both **(A)** and **(R)** are **true**, but **(R)** is not the **correct** explanation of **(A)**
- (3) **(A)** is true and **(R)** is false
- (4) Both **(A)** and **(R)** are false

3. The molecular action of ultraviolet light is mainly reflected through

- (1) destruction of hydrogen bonds in DNA
- (2) photodynamic action
- (3) formation of purine and pyrimidine
- (4) formation of sticky metaphase

4. When phosphate-containing wastes from detergents and fertilizers reach our waterways, water plants grow excessively extracting oxygen from the water causing fish to suffocate. This process is called

- (1) phosphatization
- (2) sewage recycling
- (3) eutrophication
- (4) None of the above

5. Instead of using pesticides to eradicate pests, another method using the pest's natural predators or (parasites) to control its numbers is frequently used. This environmentally friendly method is termed as

- (1) biological control
- (2) predator release
- (3) insecticide management
- (4) None of the above

6. Which one of the following terms describes **not** only the physical space occupied by an organism, but also its functional role in the community of organisms?

- (1) Ecotone
- (2) Ecological niche
- (3) Habitat
- (4) Home range

7. Which one of the following processes removes carbon dioxide from the carbon cycle on the earth?

- (i) Photosynthesis
- (ii) Respiration
- (iii) Transpiration
- (iv) Volcanic eruption

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

- (1) (i) and (iv) only
- (2) (i) only
- (3) (ii), (iii) and (iv) only
- (4) (i), (ii), (iii) and (iv)

8. Which of the following can be a threat to the biodiversity of a geographical area?

- (i) Global warming
- (ii) Fragmentation of habitat
- (iii) Invasion of alien species
- (iv) Promotion of vegetarianism

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

- (1) (i) and (ii) only
- (2) (ii) and (iii) only
- (3) (i), (ii) and (iii) only
- (4) (i), (ii), (iii) and (iv)

9. Identify the odd combination of the habitat and the particular animal concerned :

- (1) Sundarbans — Bengal Tiger
- (2) Periyar — Elephant
- (3) Rann of Kutch — Wild Ass
- (4) Dachigam National Park — Snow Leopard

10. Which of the following Conventions aims to regulate International Trade of Wildlife samples?

- (1) Bonn Convention
- (2) Ramsar Convention
- (3) CITES Convention
- (4) Vienna Convention

11. Man and biosphere program is a global initiative of which of the following International Organizations?

- (1) IUCN
- (2) UNESCO
- (3) UNEP
- (4) Conservation International

12. Recent reports of acid rain in some industrial cities are due to the effect of atmospheric pollution by

- (1) excessive release of  $\text{NO}_2$  and  $\text{SO}_2$  by burning of fossil fuels
- (2) excessive release of  $\text{CO}_2$  by burning of fuel like wood and charcoal, cutting of forests and increased animal population
- (3) excessive release of  $\text{NH}_3$  by industrial plants and coal gas
- (4) excessive release of CO in atmosphere by incomplete combustion of coke, charcoal and other carbonaceous fuels in paucity of oxygen

13. Among the following Tiger Reserves, which one has the largest area under "Critical Tiger Habitat"?

- (1) Corbett
- (2) Ranthambore
- (3) Nagarjunsagar-Srisailam
- (4) Sundarbans

14. With reference to Indian elephants, consider the following statements :

- (i) The leader of an elephant group is female.
- (ii) The maximum gestation period can be 22 months.
- (iii) An elephant can normally go on calving till the age of 40 years only.
- (iv) Among the States in India, the highest elephant population is in Kerala.

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

- (1) (i) and (ii) only
- (2) (ii) and (iv) only
- (3) (iii) only
- (4) (i), (iii) and (iv)

15. Which of the following protected areas are located in Cauvery Basin?

- (i) Nagarhole National Park
- (ii) Papikonda National Park
- (iii) Sathyamangalam National Park
- (iv) Wayanad Wildlife Sanctuary

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

- (1) (i) and (ii) only
- (2) (iii) and (iv) only
- (3) (i), (iii) and (iv) only
- (4) (i), (ii), (iii) and (iv)

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16. In the rural road construction, the use of which of the following is preferred for ensuring environmental sustainability or to reduce carbon footprint?

- (i) Copper slag
- (ii) Cold mix asphalt technology
- (iii) Geotextile
- (iv) Hot mix asphalt technology
- (v) Portland cement

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

- (1) (i), (ii) and (iii) only
- (2) (ii), (iii) and (iv) only
- (3) (iv) and (v) only
- (4) (i) and (v) only

17. X and Y commenced a business in partnership by contributing the capital of ₹ 15,000 and ₹ 20,000 respectively. Out of total profits earned by the firm, X gets ₹ 7,500 as his share. Then, the share of Y is

- (1) ₹ 15,000
- (2) ₹ 12,500
- (3) ₹ 10,000
- (4) ₹ 12,000

18. In a library, 30% books are in English, 50% books are in Hindi and the remaining 500 are in other languages. What is the total number of books in the library?

- (1) 2700
- (2) 2750
- (3) 2555
- (4) 2500

19. If Ramesh buys a clock for ₹ 990 and sells it at 20% profit, at what price should the clock be sold?

- (1) ₹ 1,090
- (2) ₹ 1,288
- (3) ₹ 1,188
- (4) ₹ 990

20. A sum of ₹ 2,900 amounts to ₹ 3,422 in 3 years at simple interest. If the interest rate were increased by 3%, what would it amount to in the same period?

- (1) ₹ 4,465
- (2) ₹ 3,683
- (3) ₹ 3,596
- (4) None of the above

21. The 5th March of a year is Monday. In which month of the same year, again 5th falls on Monday?

- (1) July
- (2) September
- (3) November
- (4) December

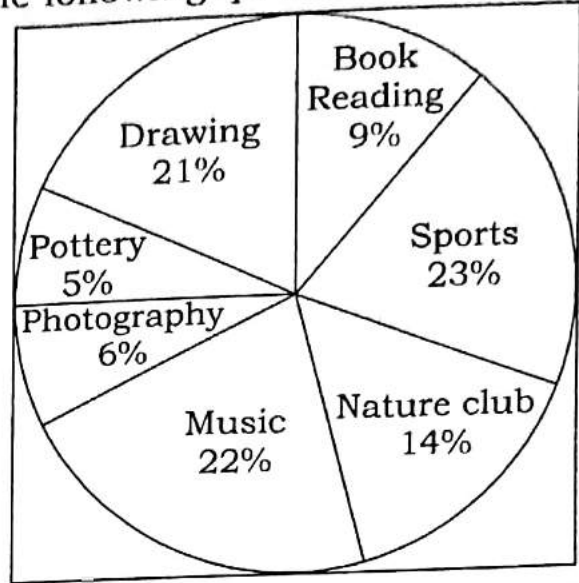
22. When the fare of a certain journey by an airline was increased in the ratio 5 : 7, the cost of the ticket for the journey became ₹1,421. Find the increase in the fare.

- (1) ₹ 406
- (2) ₹ 404
- (3) ₹ 410
- (4) ₹ 380

23. Divya, Deepa, Deepthi started a shop investing ₹27,000, ₹81,000 and ₹72,000 respectively. After one year, the profit was distributed among them. If Divya got ₹36,000, then what was the total profit?

- (1) ₹ 98,000
- (2) ₹ 1,08,000
- (3) ₹ 2,08,000
- (4) ₹ 2,40,000

**Direction :** Study the pie chart and the information given and answer the following questions (24 to 26) :



24. There are 1150 students of a school who opted sports as a hobby. How many students have reading books as a hobby?

- (1) 350
- (2) 450
- (3) 300
- (4) 500

25. What is the sectorial angle made by the percentage of students in drawing?

- (1)  $44^\circ$
- (2)  $24^\circ$
- (3)  $32^\circ$
- (4)  $76^\circ$

26. What is the number of students in a school who opted for photography and music together, if total is 5000?

- (1) 3000
- (2) 4000
- (3) 1400
- (4) 2500



27. A student goes from his hostel to college at the speed of 10 km/h and returns from his college to hostel at the speed of 15 km/h. His average speed is

- (1) 12.5 km/h
- (2) 10.5 km/h
- (3) 12 km/h
- (4) None of the above

28. Given below are four sets of observations. Which set has the minimum variation?

- (i) 7, 8, 9, 10, 11
  - (ii) 3, 6, 9, 12, 15
  - (iii) 1, 5, 9, 13, 17
  - (iv) 2, 4, 6, 13, 18
- (1) (iv)
  - (2) (iii)
  - (3) (ii)
  - (4) (i)

29. What is the probability of getting one head in tossing of two coins?

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

30. Complete the following Matrix :

$$\begin{bmatrix} 1 & 0 & 1 \\ 4 & 1 & 0 \\ 9 & 4 & ? \end{bmatrix}$$

- (1) 0
- (2) 1
- (3) 4
- (4) 9

31. In how many ways, 6 examination question papers, out of which two are of physics, can be arranged so that the two physics papers never come together?

- (1) 720
- (2) 240
- (3) 480
- (4) 120

32. Pipe A can fill a tank in 10 hours while pipe B can fill in 20 hours and pipe C can empty the full tank in 40 hours. If all the pipes are opened together, then the tank will be full in

- (1) 8 hours
- (2) 10 hours
- (3) 14 hours
- (4) 15 hours

33. If each side of a square is decreased by 25%, then what is the percentage change in its area?

- (1) 20%
- (2) 56.25%
- (3) 43.75%
- (4) 15.5%

34. Which one of the following numbers will occupy the blank space?

8	8	20
10	9	23
12	11	?

- (1) 26
- (2) 25
- (3) 24
- (4) 28

35. In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. If he attempts 60 questions and secures 130 marks, the number of questions he attempts correctly is

- (1) 35
- (2) 38
- (3) 40
- (4) 42

36. Chairman of the first Finance Commission of India was

- (1) K. C. Pant
- (2) Manmohan Singh
- (3) K. C. Neogy
- (4) Vijay Kelkar

37. The tenure of the 10th Five Year Plan in India was

- (1) 1992-1997
- (2) 1997-2002
- (3) 2002-2007
- (4) 2007-2012

38. Which was the first country to introduce GST in the world?

- (1) France
- (2) England
- (3) America
- (4) Norway

39. The Theory of Opportunity Cost refers to

- (1) the opportunity to produce more goods and services
- (2) the opportunity to exploit the natural resources
- (3) what has to be given up in order to have some quantity of another thing
- (4) an opportunity to utilize the existing human resources

40. Karnataka State's growth rate (at constant prices) in 2021-22 was

- (1) 8.4%
- (2) 9.5%
- (3) 7.4%
- (4) 6.4%

41. Karnataka's place in NITI Aayog's SDG Index 2020-21 was

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

42. Identify the **correct** order of commencement of Rural Development Programme in India :

- (i) MGNREGA
- (ii) IRDP
- (iii) Community Development Programme
- (iv) Jawahar Rozgar Yojana

**Codes :**

- (1) (iii), (ii), (iv), (i)
- (2) (i), (ii), (iii), (iv)
- (3) (iv), (iii), (ii), (i)
- (4) (i), (iii), (ii), (iv)

43. Immiserizing Growth is nothing but

- (1) economic growth which could result in a country being worse-off than before the growth
- (2) economic growth which could result in a country being better-off than before the growth
- (3) it indicates economic prosperity
- (4) it indicates economic recovery

44. Which State Government partnered with NPCI and SBI to implement 'e-RUPI'?

- (1) Government of Gujarat
- (2) Government of Punjab
- (3) Government of Karnataka
- (4) Government of Kerala

45. *Indian Agriculture towards 2030* book was launched by the NITI Aayog along with which institution?

- (1) UNEP
- (2) FAO
- (3) NABARD
- (4) ICAR

46. Who has the power to increase the number of judges of the Supreme Court of India?

- (1) The President of India
- (2) The Chief Justice of India
- (3) The Parliament
- (4) The Law Commission

47. Match **List—I** with **List—II** :

<b>List—I</b>	<b>List—II</b>
(i) NITI Aayog	(a) National Program and Project Management Policy Framework (NPPMPF)
(ii) Ministry of Education	(b) Unique Land Parcel Identification Number (ULPIN)
(iii) Ministry of Jalshakti	(c) Rashtriya Swachhata Kendra
(iv) Ministry of Rural Development	(d) Scheme for Promotion of Academic and Research Collaboration (SPARC)
	(e) Atal Beemit Vyakti Kalyan Yojana

Choose the **correct** answer from the options given below :

- (i) (ii) (iii) (iv)
- (1) (d) (e) (b) (a)
- (2) (a) (d) (c) (b)
- (3) (e) (b) (a) (c)
- (4) (c) (a) (d) (e)

48. The Vice-President can be removed in which of the following ways?

- (1) By a resolution of the Rajya Sabha passed by a majority and agreed to by the Lok Sabha
- (2) By a resolution of the Rajya Sabha and the Lok Sabha passed by a special majority in both the Houses
- (3) By a resolution of the Lok Sabha passed by a special majority and agreed to by the Rajya Sabha
- (4) By the order of the President after an enquiry of the Supreme Court

49. Match **List—I** with **List—II** :

<b>List—I</b>	<b>List—II</b>
(i) Uniform Civil Code	(a) Article 50
(ii) Organisation of village panchayat	(b) Article 51
(iii) Separation of Judiciary from the Executive	(c) Article 40
(iv) Promotion of International peace and security	(d) Article 44

Choose the **correct** answer from the options given below :

- (i) (ii) (iii) (iv)
- (1) (a) (b) (c) (d)
- (2) (c) (a) (b) (d)
- (3) (d) (c) (a) (b)
- (4) (b) (d) (c) (a)

50. Who among the following is empowered by the Indian Constitution to specify a tribe as a Scheduled Tribe?

- (1) The President of India
- (2) The Chief Minister of a State
- (3) The Governor of a State
- (4) The District Magistrate

51. Which village has become the nation's first Carbon Neutral Panchayat, fully powered by solar energy?

- (1) Sirora village
- (2) Kachai village
- (3) Kumbalangi village
- (4) Palli village

52. \_\_\_\_\_ and \_\_\_\_\_ temples are included in the cultural category of the UNESCO list of World Heritage Sites in 2021.

- (1) Dholavira, Ramappa
- (2) Mahabodhi, Mahalaxmi
- (3) Nalanda, Nanda Devi
- (4) Konark, Ajanta

53. Which two States implemented Panchayati Raj System in 1959?

- (1) Rajasthan and Maharashtra
- (2) Rajasthan and Andhra Pradesh
- (3) Rajasthan and Odisha
- (4) Rajasthan and Punjab

54. Which Indian State first announced to celebrate the birth anniversary of Dr. B. R. Ambedkar on April 14 as 'Equality Day'?

- (1) Maharashtra
- (2) Haryana
- (3) Tamil Nadu
- (4) Odisha

55. The Tenth Schedule, popularly known as the Anti-Defection Act, was added to the Constitution through which of the following Amendments?

- (1) 51st Amendment
- (2) 52nd Amendment
- (3) 53rd Amendment
- (4) 54th Amendment

56. If the average of 20 consecutive odd numbers is 36, then find the smallest number.

- (1) 11
- (2) 13
- (3) 17
- (4) 19

57. Look at the following series :  
(1/4), (7/12), (11/12), (5/4), ...  
What number should come next?

- (1) (3/4)
- (2) (15/12)
- (3) (19/12)
- (4) (23/12)

58. 6 apples and 10 bananas cost ₹78. 8 apples and 5 bananas cost ₹79. How many apples can be purchased with ₹120?

- (1) 15
- (2) 24
- (3) 30
- (4) 40

59. Arrange the following cities of India in increasing order based on latitude from the equator :

- (i) Ahmedabad
- (ii) Nagpur
- (iii) Indore
- (iv) Surat
- (v) Mumbai
- (vi) Pune

Select the **correct** answer using the following codes :

- (1) (i), (iii), (ii), (iv), (vi), (v)
- (2) (i), (iii), (iv), (ii), (v), (vi)
- (3) (vi), (v), (ii), (iv), (iii), (i)
- (4) (v), (vi), (iv), (ii), (iii), (i)

60. Match **List—I** with **List—II** :

**List—I**

**List—II**

- (i) Karwar Port (a) It has been developed on the Kali river estuary
- (ii) Belekeri Port (b) Located at the Binge bay
- (iii) Bhatkal Port (c) In olden times it was an important trading centre for foreign trade
- (iv) Malpe Port (d) It is located at the confluence of the Udyavava river and it is one of the national ports
- (v) New Mangalore Port (e) It has been developed into an all weather major port.

Choose the **correct** answer from the options given below :

- (i) (ii) (iii) (iv) (v)
- (1) (a) (b) (c) (d) (e)
- (2) (c) (b) (d) (e) (a)
- (3) (c) (d) (a) (b) (e)
- (4) (e) (d) (c) (b) (a)

61. Examine the following statements and select the **correct** answer using the codes given below :

- (i) Laterite soil in Karnataka extends from Kodagu to Belgaum district
- (ii) The alluvial soil in coastal Karnataka consists of more sand particles
- (iii) Black soil has poor magnesium but it is rich in organic materials
- (iv) Black mixed red soil is found only in the northern districts of Karnataka
- (1) (i), (ii) and (iii) are correct
- (2) (i), (ii) and (iv) are correct
- (3) (i), (iii) and (iv) are correct
- (4) All the above are correct

62. Which is the hottest place of India and gateway to the Thar desert?

- (1) Pilani
- (2) Bikaner
- (3) Ganganagar
- (4) Churu

63. According to the National Water Grid proposed river linkage, which is the **correct** pair?

- (i) Ken and Betwa rivers
- (ii) Gandak and Ganga rivers
- (iii) Godavari and Narmada rivers
- (iv) Cauvery and Vaigai rivers

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

- (1) (i), (ii) and (iii)
- (2) (ii), (iii) and (iv)
- (3) (iii), (iv) and (i)
- (4) (i), (ii) and (iv)

64. The oldest rocks in Karnataka belong to which group?

- (1) Bhima
- (2) Badami
- (3) Sargur
- (4) Kaladgi

65. Choose the National Parks in Karnataka according to their geographical areas in descending order.

- (1) Nagarahole, Kudremukh, Bandipur, Anshi
- (2) Kudremukh, Anshi, Nagarahole, Bandipur
- (3) Bandipur, Nagarahole, Anshi, Kudremukh
- (4) Bandipur, Nagarahole, Kudremukh, Anshi

66. Which of the following players represented India as the flag bearer at the closing ceremony of the Commonwealth Games, 2022?

- (1) Amit Panghal and Mirabai Chanu
- (2) Nikhat Zareen and Achanta Sharath Kamal
- (3) Lakshya Sen and Vinesh Phogat
- (4) Bhavina Patel and Chirag Shetty

67. What is the theme for World Migratory Bird Day, 2022?

- (1) Light pollution
- (2) Birds connect our world
- (3) Unifying our voices for bird conservation
- (4) Sing, fly, soar - like a bird!

68. The instrument used to determine the solar-constant is called

- (1) bolometer
- (2) radiometer
- (3) pyrhelimeter
- (4) monometer



69. Output of NOR gate, when both inputs are 0 and 0, is

- (1) 0
- (2) 1
- (3) 2
- (4) 3

70. Which of the following are **correct**?

- (i) Magnetic Resonance Imaging (MRI) is based on the phenomenon of nuclear magnetic resonance.
- (ii) The speed of light in vacuum is the same for all observers, regardless of their motion relative to the source.
- (iii) X-ray is an electromagnetic radiation.
- (iv) Wavelengths of X-rays are shorter than microwave wavelength.

- (1) (i) and (iv) are correct
- (2) (i) and (ii) are correct
- (3) (i) and (iii) are correct
- (4) All are correct

71. The thermoelectric coolers are based on

- (1) Joule effect
- (2) Seebeck effect
- (3) Peltier effect
- (4) None of the above

72. Superconductors are materials

- (1) which conduct electricity with no resistance
- (2) which conduct electricity with small resistance
- (3) with infinite electrical resistance
- (4) with finite electrical resistance

73. Karnataka Raitha Suraksha Pradhan Mantri Fasal Bima Yojana is a

- (1) scheme implemented in the Karnataka State from the year 2015-16 under soil health mission programme
- (2) scheme to promote usage of farm mechanisation in the State
- (3) scheme to increase the per capita productivity of the farmers
- (4) crop insurance scheme

74. Sara Aboobacker, eminent Kannada writer, passed away on 10th January, 2023 is known for her novel

- (1) *Mookajjiya Kanasugalu*
- (2) *Chandragiriya Theeradalli*
- (3) *Mahile Mattu Sampradaya*
- (4) *Mahile Mattu Samaja*

75. The Karnataka Assembly on 22nd December, 2022 passed a bill Karnataka Land Revenue Bill (Second Amendment) that allows conversion of agricultural land for non-agricultural purpose in just

- (1) 15 days
- (2) 30 days
- (3) 7 days
- (4) 45 days

76. India's Second Chief of Defence staff is

- (1) Lt. General Anil Chauhan (Rtd)
- (2) Director General V. S. Pathania
- (3) General Bipin Rawat
- (4) Lt. General Manoj Pande

77. The G20 or 'Group of Twenty' is an Inter-Governmental Forum comprising of

- (1) 19 countries and the European Union (EU)
- (2) 20 developing nations of the world
- (3) 20 developing and developed nations of the world
- (4) 19 nations and G8 nations

78. The total GST collected by Karnataka in the month of December, 2022 was

- (1) ₹10,061 crores
- (2) ₹23,598 crores
- (3) ₹9,238 crores
- (4) ₹11,780 crores

79. Countries which participated in the Quad Summit, 2022 held in Tokyo on 24th May, 2022 were

- (1) China, Australia, Pakistan and the United States
- (2) India, the United States, Japan and Australia
- (3) India, China, Brazil and South Africa
- (4) India, Russia, China and South Africa

80. The objective of 'Viveka' scheme implemented by the Government of Karnataka in the month of November, 2022 is

- (1) to introduce the teaching of moral values in schools and colleges
- (2) replacing the old and non-functional classrooms
- (3) introducing Yoga and Pranayamas in schools and colleges
- (4) introducing the teachings of Swami Vivekananda at school level

81. Her Excellency, The President of India, Droupadi Murmu, belongs to the

- (1) Nabarangpur district of Odisha
- (2) Keonjhar district of Odisha
- (3) Mayurbhanj district of Odisha
- (4) Rayagada district of Odisha

82. Which of the following soils is found in the Western Ghats region of Karnataka?

- (1) Alluvial soil
- (2) Laterite soil
- (3) Black soil
- (4) Red soil

83. Consider the following statements :

**Assertion (A) :** The mangrove vegetation in Karnataka cannot withstand the strong monsoon winds and cyclonic winds in coastal region.

**Reason (R) :** Because of this above quality, new efforts have been made to plant more mangrove vegetation to prevent coastal erosion.

- (1) Both **Assertion** and **Reason** are correct and **R** is the correct explanation to **A**
- (2) Both **Assertion** and **Reason** are **correct** but **R** is not the correct explanation to **A**
- (3) **Assertion** is **correct** but **Reason** is **wrong**
- (4) Both **Assertion** and **Reason** are **wrong**

84. Which of the following districts of Karnataka has the lowest share of forest area?

- (1) Dharwad
- (2) Chamrajanagara
- (3) Belgaum
- (4) Shimoga

85. Upper Krishna Project (UKP) is **not** beneficial to which of the following districts?

- (1) Gulbarga
- (2) Bijapur
- (3) Bellary
- (4) Bagalakote

86. Which of the following statements are **correct** about the electricity production in Karnataka?

- (i) The electricity produced in the Kaveri river valley is very less when it is compared with the Kali river valley.
- (ii) Shivanasamudra and Shimsha are the Hydel power projects in the Kaveri river valley where the electricity is produced.
- (iii) Supa, Nagjhari, Kodalalli and Kadra are the Hydel power projects in Kali river valley where electricity is produced.
- (iv) River Kali is the second largest river basin of Hydel power generation in Karnataka.

- (1) (i), (iii) and (iv) are correct
- (2) (ii), (iii) and (iv) are correct
- (3) (i), (ii) and (iii) are correct
- (4) All are correct

87. Consider the following historical places :

- (i) Harappa
- (ii) Lothal
- (iii) Sannati
- (iv) Kalibangan
- (v) Chandravalli

Which of the above following historical places are related to Indus Valley civilization?

- (1) (i), (ii) and (iv) only
- (2) (i), (iii) and (v) only
- (3) (i), (ii) and (iii) only
- (4) (ii), (iii) and (iv) only

88. Consider the following statements :

- (i) People were worshipping nature as God in the Rigvedic Age.
- (ii) Women were given religious freedom in the Rigvedic Age.

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

- (1) Both (i), (ii) are true
- (2) Both (i), (ii) are false
- (3) (i) is false but (ii) is true
- (4) (ii) is false but (i) is true

89. Consider the following statements :

- (i) 2nd Buddhist Council was held at Vyshali.
- (ii) This Buddhist Council was arranged by Mauryan king Ashoka.

Choose the **correct** answer from the options given below :

- (1) Both (i) and (ii) are true
- (2) (i) is true but (ii) is false
- (3) (ii) is true but (i) is false
- (4) Both (i) and (ii) are false

90. Match **List—I** with **List—II** :

<b>List—I</b>	<b>List—II</b>
<b>(Travellers/ Historians)</b>	<b>(Countries)</b>

- |                   |                |
|-------------------|----------------|
| (i) Megasthenes   | (a) Portuguese |
| (ii) Fa-Hien      | (b) Iran       |
| (iii) Al-Biruni   | (c) Greece     |
| (iv) Fernao-Nuniz | (d) China      |
|                   | (e) Italy      |

Choose the **correct** answer from the options given below :

- (1) (i) (ii) (iii) (iv)
- (2) (b) (a) (c) (d)
- (3) (c) (e) (b) (a)
- (4) (d) (b) (a) (c)

91. Which of the following pairs are **correctly** matched?

<b>List—I</b>	<b>List—II</b>
<b>(Scholars)</b>	<b>(Books)</b>

- (i) Hiuen Tsang — *Si-Yu-ki*
- (ii) Kalhana — *Harsha Charite*
- (iii) Koutilya — *Arthashastra*
- (iv) Megasthenes — *Geography*

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

- (1) (i) and (iii) only
- (2) (ii) and (iv) only
- (3) (i) and (ii) only
- (4) (iii) and (iv) only

92. Which of the following pairs are **correctly** matched?

<b>(Reformers)</b>	<b>(Philosophy/ Vedanta)</b>
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- (i) Sri Shankaracharya —  
Advaita Philosophy
- (ii) Sri Madvacharya —  
Shakti Vishistaduaita  
Philosophy
- (iii) Sri Ramanujacharya —  
Vishistaduaita  
Philosophy

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

- (1) (i) only
- (2) (ii) and (iii) only
- (3) (i) and (iii) only
- (4) (i) and (ii) only

93. Match **List—I** with **List—II** :

<b>List—I</b> <b>(Battles)</b>	<b>List—II</b> <b>(Years)</b>
(i) 2nd Battle of Panipat	(a) 1539
(ii) Battle of Chausa	(b) 1540
(iii) Battle of Chanderi	(c) 1556
(iv) Battle of Kannauj	(d) 1528
	(e) 1526

Choose the **correct** answer from the options given below :

(i) (ii) (iii) (iv)

(1) (a) (b) (c) (e)

(2) (c) (d) (e) (b)

(3) (b) (c) (d) (e)

(4) (c) (a) (d) (b)

94. Which of the following pairs are **correctly** matched?

**(Poets/Scholars)** **(Books)**

(i) Gulbadan Begam —  
*Humayun nama*

(ii) Nizamuddin Ahmad —  
*Maasir-a-Alamgiri*

(iii) Abul Fazl — *Ain-i-Akbari*

(iv) Badayuni — *Tuzuk-i-Jahangiri*

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

(1) (i) and (ii) only

(2) (i) and (iii) only

(3) (ii) and (iv) only

(4) (iii) and (iv) only

95. Consider the following statements :

(i) The Regulating Act of 1773 was the First Constitutional Act of East India Company in India.

(ii) According to this Act, the Bengal Governor became the Governor-General of Bengal.

(iii) Warren Hastings became the First Governor-General of Bengal on the basis of this Act.

Choose the **correct** answer from the options given below :

(1) (i), (ii) and (iii) all are true

(2) (i) and (ii) are true but (iii) is false

(3) (ii) and (iii) are true but (i) is false

(4) (i), (ii) and (iii) are all false

96. With reference to Indian Freedom Struggle, consider the following events :

- (i) Dandi March or Salt Satyagraha
- (ii) Belguam National Congress Session
- (iii) Quit India Movement
- (iv) Chauri Chaura Incident

What is the **correct** chronological sequence of the above events?

- (1) (iv)–(iii)–(i)–(ii)
- (2) (ii)–(iv)–(iii)–(i)
- (3) (iv)–(ii)–(i)–(iii)
- (4) (i)–(iii)–(iv)–(ii)

97. Which of the following pairs are **not correctly** matched?

<b>(Freedom Fighters)</b>	<b>(Books/ News Papers)</b>
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- (i) Dadabhai Nauroji — *Poverty and Un-British Rule in India*
- (ii) Lala Lajpat Rai — *Hind Swaraj*
- (iii) Bal Gangadhar Tilak — *Kesari*
- (iv) Jawaharlal Nehru — *Young India*

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

- (1) (i) and (ii) only
- (2) (i) and (iii) only
- (3) (ii) and (iv) only
- (4) (ii) and (iii) only

98. The Indian Government intends to increase the installed renewable energy capacity to \_\_\_ by the year 2030 as part of its National Climate Change Policy.

- (1) 175 GW
- (2) 200 GW
- (3) 250 GW
- (4) 350 GW

99. Which of the following is **not** covered in 8 missions under the Climate Action Plan of Government of India?

- (1) Solar power
- (2) Waste to energy conversion
- (3) Afforestation
- (4) Nuclear energy

100. Match **List—I** with **List—II** and select the **correct** answer from the codes given below :

<b>List—I</b>	<b>List—II</b>
---------------	----------------

- |                              |                   |
|------------------------------|-------------------|
| (i) Ozone hole               | (a) Tsunami       |
| (ii) Greenhouse effect       | (b) UV radiations |
| (iii) Natural                | (c) Methane       |
| (iv) Sustainable development | (d) Eco-centrism  |

**Codes :**

- |         |      |       |      |
|---------|------|-------|------|
| (i)     | (ii) | (iii) | (iv) |
| (1) (b) | (c)  | (a)   | (d)  |
| (2) (c) | (b)  | (a)   | (d)  |
| (3) (d) | (c)  | (a)   | (b)  |
| (4) (d) | (b)  | (c)   | (a)  |