061/2022-T

Question Booklet Alpha Code



Question Booklet Serial Number

Total Number of questions : 100

Time: 90 Minutes

Maximum Marks : 100

INSTRUCTIONS TO CANDIDATES

- 1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet Alpha Code viz. A, B, C & D.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a question booklet where the Alpha Code does not match to the allotted Alpha Code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is unnumbered, please get it replaced by new question booklet with same Alpha Code.
- 6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so, he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same Alpha Code. This is most important.
- 8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

Δ

DONOT WRITE HERE

- 1. Find out the correct chronological order of the following events related to Indian national movement.
 - (A) Surat Split, Annulment of Bengal Partition, Formation of Muslim League, Champaran Satyagraha.
 - (B) Formation of Muslim League, Surat Split, Annulment of Bengal Partition, Champaran Satyagraha.
 - (C) Champaran Satyagraha, Formation of Muslim League, Surat Split, Annulment of Bengal Partition.
 - (D) Annulment of Bengal Partition, Champaran Satyagraha, Formation of Muslim League, Surat Split.
- 2. Which one of the following is mismatched in relation to the '*Aintinai*' concept of Sangam literature?
 - i) Kurinchi-Maravar-plunder
 ii) Marutham-Uzhavar-Agriculture
 iii) Neytal-Parathavar-Fishing
 iv) Mullai-Umanar-Hunting
 (A) (i) only
 (B) (i) and (iv)
 (C) (iv) only
 (D) (ii) and (iv)
- 3. Who said "I am the Revolution"?(A) Napoleon Bonaparte(B) George Washington
 - (C) V I Lenin (D) Mao Zedong
- 4. Which of the following documents on education of British India contains the statement:

"We must at present do our best to form a class who may be interpreters between us and the millions whom we govern – a class of persons, Indians in blood and colour, but English in taste, opinions, in morals and in intellect..."

(A) Charter Act of 1813	(B) Macaulay's Minutes of 1835
(C) Wood's Despatch of 1854	(D) Government of India Act of 1935

- 5. Which one of the following is correct list of available mineral resources of Kerala?
 (A) Bauxite, Zinc, Gold, Platinum
 (B) Bauxite, China clay, Black Sand, Gold
 (C) Silver, Copper, Gold, Titanium
 (D) Gold, Iron, Bauxite, Platinum
- 6. Find out the correct list of traditional art forms of Kerala, which is performed by women?
 - (A) Thumpithullal, Oppana, Poorakkali, Ammanattam
 - (B) Mudiyattam, Kaikottikkali, Devakkuthu, Margamkali
 - (C) Mudiyettu, Kudam thullal, Kolkkali, Velakali
 - (D) Padayani, Kummatti, Ammanattam, Koothu



- 7. The secular press of Kerala had begun with the publication of which of the following?
 - (A) 'Rajya Samacharam' by Herman Gundert
 - (B) 'Kerala Kaumudi' by C V Kunhiraman
 - (C) 'Western Star' and 'Paschimatharaka' by Devji Bheemji
 - (D) 'Deepika' by Nidheerikkal Mani Kathanar
- 8. Find out the correct statement/statements in respect of Malayalam movies 'Nirmalyam', 'Bandhanam' and 'Kadavu'?
 - i) P J Antony was the hero of all of them
 - ii) All of them bagged National Film Awards
 - iii) All of them are colour films
 - iv) All these films are written and directed by M T Vasudevan Nair
 - (A) (iii) only (B) (i) and (iv) (C) (iv) only (D) (iii) and (iv)
- 9. Which one below is the correct order of players as highest wicket takers of Test Cricket history?
 - (A) Muthaiah Muraleedharan, Shane Warne, James Anderson, Anil Kumble
 - (B) Shane Warne, James Aderson, Muthaiah Muraleedharan, Anil Kumble
 - (C) Shane Warne, Anil Kumble, James Anderson, Muthaiah Muraleedharan
 - (D) Anil Kumble, Shane Warne, Muthaiah Muraleedharan, James Anderson
- 10. Out of 10 Chairpersons of ISRO till date, 5 belong to Kerala. Which one given below is an all-Keralite list of ISRO Chairpersons?
 - (A) Dr. K. Sivan, Dr. M. G. K. Menon, Dr. G. Madhavan Nair, Dr. K. Kasthoori Rangan, Dr. K. Raadhakrishnan
 - (B) A. S. Kiran Kumar, Dr. G. Madhavan Nair, Dr. K. Sivan, Dr. M. G. K. Menon, Dr. K. Radhakrishnan
 - (C) Dr. M. G. K. Menon, Dr. K. Kasthoori Rangan, Dr. G. Madhavan Nair, Dr. K. Radhakrishnan, Dr. S. Somnath
 - (D) Dr. S. Somnath, A. S. Kiran Kumar, Dr. K. Sivan, Dr. M. G. K. Menon, Dr. G. Madhavan Nair
- 11. Which of the following would have occurred if the earth had not been inclined on its own axis?
 - (A) All the seasons would have been of same duration
 - (B) The summers would have been of longer duration
 - (C) The seasons would not have changed
 - (D) The winters would not have been of longer duration

4

				Α
12.	(ii) The winds from s (iii) The coriolis effect	ow pressure belt is als subtropical region blo ct is caused by the ro eeze, wind moves fro		
13.	is/are correct? (i) The Great Plains (ii) It is formed by th (iii) Newer alluvium o	-	the North of Shiwalik arried out by rivers nadar	Great Plains of India (D) (i), (ii) and (iv)
14.	following statements (i) Bengaluru and C (ii) Chandigarh and (iii) Vadodara and Ra	s: Cuttack lie on the Gold	den Quadrilateral North-South corridor Vest corridor.	t (NHDP), consider the (D) (i), (ii) and (iii)
15.	Which of the followin (i) It extends across (ii) It is a part of the	ng statements are co the states of Tamil N	rrect regarding Nilgiri Iadu, Kerala and Karn iosphere programme.	i biosphere reserve? ataka.
16.	Indian Grey hornbills (A) Gir National Park (C) Jim Corbett Natio		luced in which Sanctı (B) Kanha National I (D) Kaziranga Natio	Park
17.	 Establishment of Establishment of 	14 commercial bank National Bank for Ag	riculture and Rural Do ent Bank of India (IDB	evelopment (NABARD) I) (D) (1, 3, 2, 4)

6

18.	. Which of the following programmes is/are examples of rural development schemes?			development schemes?	
	1. Indira Awas Yoja	na	2. National Food f	or Work programme	
	3. Pradhan Manthr	i Awas Yojana	4. Nehru Rojgar Y	ojana	
	(A) (1 only)	(B) (1 and 2 only)	(C) (1, 2, 3, 4)	(D) (1, 2, 4 only)	
19.		ing statements is/are			
		formed on January 26			
	-	O of NITI Aayog is Am			
		ter of India is the ex-o ime members of NIT	-	INTT Adyog	
		(B) (1, 3, 4 only)		(D) (2, 3, 4 only)	
20	Matab the following	, and also are the easy	est estiss		
20.		and choose the corr	•		
		ance Commission - D			
		ce Commission = Sri.			
	 Third Finance Commission = Dr. Prabhath Patnaik Fourth Finance Commission = K. V. Rabindran Nair 				
				(D) (1.2 (Lophy)	
	(A) (1 and 2 only)	(B) (1 only)	(C) (1, 2, 3 only)	(D) (1, 3, 4 only)	
21.	Which of the follow	ing statements is / ar	are correct?		
	1. The term Green Revolution was first used by M.S. Swaminathan			athan	
	2. Green revolution	n also known as rainb	bow revolution		
	(A) (1 only correct)		(B) (1, 2 correct)		
	(C) (2 only correct)		(D) (1 and 2 are wr	ong statements)	
22.	What is the biggest	items of Governmen	nt expenditure in 2022-23 budget?		
	(A) (Defense)		(B) (Interest payment)		
	(C) (Pensions)		(D) (Share to state	governments)	
23.	Which among the fo	•	are not true with regard to the Preamble of the		
	1. The Preamble wa assembly	as inspired by the 'ob	jective resolution' ad	opted by the constituent	
	2. Preamble is enfo	prceable in a court of	law		
	3. The Preamble in	dicates the sources o	of the Constitution		
	4. Preamble establ	ishes a federal const	itution for India.		
	(A) 1 and 3	(B) 2 and 4	(C) 4 only	(D) 3 only	

061/2022-T

				A
24.	Which Article of Inc (A) Article 19 (C) Article 21	lian Constitution provi	ides for 'procedure es (B) Article 20 (D) Article 22	tablished by law'?
25.	How many times fir (A) 0	nancial emergency (Ar (B) 3	ticle 360) was impose (C) 4	ed in India? (D) 128
26.	 Banking, Public I Banking, Insurar Taxes on agricul 		ealth	enth Schedule? (D) 4
27.	 jurisdiction of Supression The President can Court of India. The Supreme Courts The President is 	eme Court of India?	w or fact of public impo ts observation in the n a of Supreme Court.	
28.	Which among the fo (A) Habeus Corpus (C) Certiorari	ollowing is considered	l as a 'judicial writ'? (B) Quo Warranto (D) Prohibition	
29.	1. Violation of Cons	ds for impeachment c stitution n of Supreme Court (B) 2	of President of India? 2. Loss of confiden 4. Recommendation (C) 1 and 2	
30.	0	ssioner of India	•	of India?

Δ

- Which among the following is not a contributing factor to Kerala Model of development?
 (A) High Literacy rate
 (B) Low Infant mortality
 - (C) High life expectancy (D) Low suicide rates
- 32. What was the initial focus of 'Akshaya' project?(A) Poverty eradication(B) Digital Literacy
 - (C) Internet Connectivity (D) Service delivery
- 33. What are the major focus of NWDPRA (National Watershed Development Project for Rainfed areas)?
 - 1. Holistic development of watershed areas
 - 2. Revival of Agrarian sector
 - 3. Natural resource management
 - 4. Livelihood support initiatives
 - (A) 1, 2 and 3 (B) 2, 3 and 4 (C) 1, 3 and 4 (D) 1, 2, 3 and 4
- 34. In the State of Kerala which agency is involved in processing the reports of Kerala administrative Reforms committee?
 - (A) Kerala Administrative Tribunal
 - (B) Personnel and administrative Reforms Department
 - (C) High Court of Kerala
 - (D) Department of Home Affairs
- 35. Who among the following is the target group of 'Abayakiranam' project?
 - (A) Victims of Sexual violence (B) Victims of Child marriage
 - (C) Destitute and Homeless widows (D) Aged women
- 36. The Citizen Amendment Act passed by Government of India is related to
 (A) Part–1 of the Constitution
 (B) Part–2 of the Constitution
 - (C) Part–3 of the Constitution (D) Part–4 of the Constitution

37. Who among the following is chairperson of GST council?

- (A) Union Finance Minister (B) Chief Minister of State
- (C) Prime Minister of India (D) President of India
- 38. Read the following statements regarding the human skeletal system.
 - (i) Number of bones in an adult human body is 206.
 - (ii) Number of bones in a new born baby is more than 206
 - (iii) Number of bones in a new born baby is less than 206
 - (iv) The smallest bone in human body is stapes.
 - Of these statements which are incorrect?
 - (A) Both (i) and (iii) (B) (ii) only (C) (iii) only (D) All are correct

39. Of the following vitamins, deficiency of which vitamin may cause excessive bleeding on injury?

(A) Calciferol (B) Retinol (C) Phylloquinone (D) Thiamine

40. Observe the table below which shows the combination of disease and its causative organism.

SI. No.	Disease	Causative organism
i.	Amoebiasis	Entamoeba
ii.	Malaria	Plasmodium
iii.	Filariasis	Wucheraria
iv.	Ascariasis	Ascaris

Of these combinations, identify that are incorrectly matched

- (A) (iii) only (B) Both (ii) and (iii)
- (C) Both (i) and (iii) (D) None of these
- 41. Of the following schemes of Kerala Government which acts as a relief measure for the endosulfan victims in the state?

(A) Snehasparsham	(B) Snehasanthwanam
(C) Prathyasha	(D) Samashwasam

42. Glycated Haemoglobin Test (HbA1C Test) is used to diagnose the disease

(A) Diabetes mellitus	(B) Corona
(C) Hepatitis B	(D) Anaemia

- 43. Parsec is a unit of
 - (A) Angle(B) Length(C) Time(D) Radioactivity
- 44. All moving bodies possess momentum and kinetic energy. Kinetic Energy of a Body of mass 4 Kg is 200 Joules. Calculate its momentum.
 (A) 400 Kg m/s
 (B) 100 Kg m/s
 (D) 40 Kg m/s
- 45. Degree Celsius and Fahrenheit are 2 different units to measure temperature. At what temperature in the Celsius scale, the Fahrenheit scale will read the same?
 - (A) 32° C (B) 40° C (D) 273° C

46. The Nobel Prize in Physics 2021 has been awarded to **Syukuro Manabe**, **Klaus Hasselmann** and **Giorgio Parisi**. Manabe and Hasselmann were jointly honored for "the physical modelling of Earth's climate, quantifying variability and reliably predicting global warming."

Giorgio Parisi was honored for

- (A) "the discovery of the interplay of disorder and fluctuations in physical system from atomic to planetary scales."
- (B) "the discovery of a supermassive compact object at the centre of our galaxy."

(C) "theoretical discoveries in Physical Cosmology."

(D) "groundbreaking inventions in the field of Laser Physics."

- 47. The value of enthalpy of mixing of benzene and toluene is(A) Zero (B) Negative (C) Positive (D) Unity
- 48. The hybridisation of $C_1 C_2 C_3$ carbon atoms in propene molecule is

(A) $sp^3-sp^2-sp^2$	(B) sp ² –sp ² –sp ³
(C) sp ³ -sp ³ -sp ²	(D) sp ² –sp ³ –sp ³

49. The temperature at which a real gas obeys ideal gas laws over an appreciable range of pressure is called

(A) Critical temperature	(B) Kraft temperature

- (C) Boyle temperature (D) Curie temperature
- 50. Which among the following statements are correct?
 - (i) Eco system restoration was the theme of World Environment Day of the year 2021.
 - (ii) Pakistan served the global host for World Environment Day 2021.
 - (iii) Ecosystem restoration means a process of reversing the damage caused to the ecosystem and help in its recovery.

	(A) i and iii	(B) ii and iii	(C) i and ii	(D) i, ii and ii
--	---------------	----------------	--------------	------------------

- 51. If $\sqrt{2^n} = 128$, then the value of n is (A) 2 (B) 8 (C) 12 (D) 14
- 52. Two numbers are in the ratio of 3:5. If each number is increased by 10, the ratio becomes 5:7. The numbers are
 (A) 3, 5
 (B) 15, 25
 (C) 12, 20
 (D) 18, 30
- 53. A can do a piece of work in 30 days, while B alone can do it in 40 days. In how many days can A and B working together do it?

(A) 17 and 1/7 (B) 27 and 1/7 (C) 42 and 3/4 (D) 70

10

54.	•	•		mixed it with 120 kg rice xture to gain 16% profit? (D) Rs. 30
55.	The sum of the squa (A) 1, 3, 5	ares of three consec (B) 3, 5, 7	utive odd numbers is (C) 5, 7, 9	251. The numbers are: (D) 7, 9, 11
56.	July 3, 1970 was a F (A) Sunday (C) Saturday	Friday, then July 3, 19	977 was a (B) Monday (D) Friday	
57.	Find the odd man o 8, 27, 64, 100, 125, 2 (A) 27		(C) 125	(D) 343
58.	If Y = 50, SEA = 50, (A) 57 (C) 114	then 'YACHT' will be	equal to (B) 110 (D) None of these	
59.	•	aid, "He is the only	•	to and pointing towards hter of my grandfather".
60.	The time shown by the actual time in th (A) 4 hrs 25 min (C) 1 hr 55 min		ock in a mirror is 7 ho (B) 5 hrs 35 min (D) 4 hrs 35 min	ours 25 minutes. What is
61.	If I studied with con (A) would have pass (C) will pass	fidence l sed	the exam. (B) would have bee (D) would pass	en passing
62.	The teacher, along ((A) has arrived (C) are arriving	with his students		
63.	This paper is inferio (A) than	or that (B) by	(C) to	(D) for

Α			
64.	Let us begin the work,? Add a suitab (A) should we? (C) Shall we?	le tag. (B) Shouldn't we? (D) Can we?	
65.	Select the correct passive voice out of the sentence. The boys were watching football match. (A) Football match has been watched by (B) Football match had been watched by (C) Football match was watched by the b (D) Football match was being watched b	the boys the boys boys	natives for the following
66.	A of lions lived in the jungle. (A) pride (B) litter	(C) flock	(D) gaggle
67.	Choose the correct antonym for the wor (A) relieve (B) receive	d 'conceal' (C) reveal	(D) revere
68.	Select the correctly spelt word from the (A) inteligence (C) intelligance	following options (B) intelligence (D) inteligance	
69.	Select the suitable one word substitute for (A) sensitive (B) sangfroid		m in difficult situations' (D) sardonic
70.	Her marriage has been till ne (A) put on (C) put out	ext year. (B) put off (D) put up with	
71.	தமிழ் இலக்கியத்தில் புதுக்கவிதையின் (A) பாரதிதாசன் (C) ந.பிச்சமூர்த்தி	தந்தை எனப்போற்ற၊ (B) சுரதா (D) மீரா	ப்படுபவர்?
72.	கரந்துரு வெய்திய கடவுளாளரும் ட இச்செய்யுளில் பாடை என்பதன் பொரு (A) வள்சில் (B) வளிவ	जा.	_
73.	(A) மூங்கில் (B) அறிவு எண் வகை மெய்ப்பாடுகள் பற்றி விளக் (A) தொல்காப்பியம் (C) புறப்பொருள் வெண்பாமாலை	(C) அன்பு கும் இலக்கண நூல்? (B) அகப்பொருள் வ (D) திருக்குறள்	(D) மொழி பிளக்கம்
12			061/2022-T

74.	'Touch Screen' என்பதன் தமிழ் பதம். (A) திரைவடிவம் (C) ஜன்னல்கள்	(B) பதிவேடு (D) தொடுதிரை
75.	பாலை நிலத்திற்குரிய உரிப்பொருள்? (A) புணர்தலும் புணர்தல் நிமித்தமும் (C) கூடலும் கூடல் நிமித்தமும்	(B) பிரிதலும் பிரிதல் நிமித்தமும் (D) இரங்கலும் இரங்கல் நிமித்தமும்
76.	பிழையில்லாத் தொடர்? (A) அவன் நாளை வந்தான் (C) அவன் இன்று வந்தான்	(B) அவன் நேற்று வருவான் (D) அவன் இன்று வரும்
77.		(B) ஒன்று [1] சரி இரண்டு [2] தவறு
78.	மண் + குடம் சேர்த்தெழுதக் கிடைப்பது? (A) மண்குடம் (C) மகுடம்	(B) மட்குடம் (D) மற்குடம்
79.	பெண் படைப்பாளர் பாமா அவர்களின் ட (A) பால்வீதி (C) கருக்கு	படைப்புகளில் இதுவும் ஒன்று? (B) பாம்பாட்டி (D) பச்சை தேவதை
80.	மலைபடுகடாம் என அழைக்கப்படும் நூல (A) கூத்தராற்றுப்படை (C) திருமுருகாற்றுப்படை	ல்? (B) பெரும்பாணாற்றுப்படை (D) சிறுபாணாற்றுப்படை
81.	OCR software is capable of converting (A) audio (C) image	into ASCII codes. (B) video (D) EBCDIC
82.	is the identification code of eac (A) Address	h word in memory. (B) Register

(D) MAR

(C) Cell



Α

Α					
83.	is the el	ectronic circuit capat	ole of storing a binary	0 or 1.	
	(A) Switch		(B) Flipflop		
	(C) Relay		(D) NAND		
84.	One of the import	ant functions of oper	rating system is		
	(A) Translating source code to object code				
	(B) Process sched	luling			
	(C) Loading a program for execution				
	(D) All of these				
85.	Decimal 174 is rep	presented in hexaded	cimal as		
	(A) 6F	(B) 6E	(C) AF	(D) AE	
86.	The shortcut key	combination to sel	lect the whole conte	ents of a word document	
	is				
	(A) CTRL + S		(B) CTRL + E		
	(C) CTRL + W		(D) CTRL + A		
87.	The properties of	a word document ca	n be viewed and cha	nged from menu	
	(A) Prepare	(B) Publish	(C) Save	(D) Open	
88.	COUNTA() function in Excel				
	(A) Counts cells h	aving numbers	(B) Counts cells I	naving alphabets	
	(C) Counts cells the	nat are empty	(D) Counts cells t	that are not empty	
89.	key can mode is disabled.	-	ormulas in an Excel S	heet when Auto Calculate	
	(A) F8	(B) F9	(C) F10	(D) F11	
90.	An exact copy of shortcut key.	the current slide in a	a powerpoint present	ation can be made by the	
	(A) CTRL + B	(B) CTRL + C	(C) CTRL + D	(D) CTRL + E	
91.	In the c actually made at r		n a function call is n	ot known until the call is	
	(A) Polymorphism		(B) Inheritance		
	(C) Dynamic bindi	ng	(D) Data abstract	ion	
92.	Member functions in a C++ class are usually declared as				
	(A) Inline		(B) Nested		
	(C) Private		(D) Public		

14

		4		
93.	The solution explorer in VB.Net doesn't display			
	(A) Form file	(B) Reference folder		
	(C) Form properties	(D) Assemble file		
94.	In VB.Net the CancelButton property belongs to object.			
	(A) Label	(B) TextBox		
	(C) Button	(D) Form		
95.	A set of one or more attributes, when taken together, uniquely identifies each entity is called a			
	(A) Super key	(B) Primary key		
	(C) Candidate key	(D) Foreign key		
96.	The SQL command to retrieve the details of all voters whose name (attribute name – VNAME) ends with "se" from VOTERS table is			
	(A) Select * from VOTERS where VNAME like 'se';			
	(B) Select * from VOTERS where VNAME like '%se';			
	(C) Select * from VOTERS where VNAME like '\$se';			
	(D) Select * from VOTERS where VNAME like '&se';			
97.	is the command used to remove an already existing relation from a data base.			
	(A) Remove	(B) Drop		
	(C) Delete	(D) Zap		
98.	URL means:			
	(A) Uniform Request Locator	(B) Uniform Reference Locator		
	(C) Uniform Resource Locator	(D) Uniform Resume Locator		
99.	HTML tag is used to add a title to a table.			
	(A) Caption	(B) Header		
	(C) Title	(D) None of these		
100.	JavaScript allows passing of parameters by			
		(B) name		
	(A) value			

061/2022-T

[P.T.O **15**





