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Name PRAKASH KUMAR

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QUESTION BOOKLET CODE

631

Part - I (Questions: 1 to 40)

भाग - 1 (प्रश्न : 1 से 40)

Directions (Questions 1-2): A word has been written in four different ways out of which only okk one is correctly spelt. Choose the correctly spelt word.

Etiquete

Etiquette (2)

Ettiquete

Ettiquette (4)

Millonare Millionare

Millionaire (2) Millonaire (4)

My Marier

Directions (Questions 3-6): A passage has been broken into five parts. Choose the correct sequence to make it a meaningful passage.

The knowledge so far available about the endocrine glands is very limited. A:

Nature has provided the body with proper regulators and protectors. B :

These are our endocrine glands. $\mathbf{C}:$

And so the proper functioning of these controllers of our body is very important and ກ: most vital for health.

However, all the medical sciences have accepted the fact that these endocrine glands secrete thousands of different types of hormones directly from our blood. E:

ABCDE (1)

BDEAC (3)

CBADE

Seconds later, the glaring object swept past and he thought he had out maneuvered it. A:

While flying over enemy territory, Jones received the warning of an oncoming +B: missile.

He was proved wrong when he saw the vertical tail fins on fire. C:

Without wasting time, he slammed the throttles forward and made the plane roll into $\mathbf{D}:$ a high speed turn.

Hardly had he responded to the message when he actually saw what every fighter E: pilot dreaded most.

BEDAC

BDCEA

CDEAB (3)

CBADE (4)

A taxi was summoned and Satish was taken to Lifeline Hospital. 5, SA:

While hurrying home from school, Satish was hit by a car. 1 B:

Since they did not succeed, they decided to take him to a hospital. u C:

Some people rushed towards him and tried to bring him to his senses. 3 D:

He was thrown a couple of feet away and lost consciousness. LE:

ABCED $(1)_{r}$

BDCAE (2)

BEDCA 7(3)

CBAED (4)

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http://www.ExamCompetition.com/

निर्देश (प्रश्न 21-23) : निम्नलिखित शब्दों में सन्धि-विच्छेद करते समय दिए गए विकल्पों में से सही रूप छाँटिए :

21. निष्काम

JH निष्+ काम

(2) नि: + काम

(3) निश + काम

(4) - निस् + काम

22. वीरोचित

्रार्थ वीर + उचित

(2) बीर + औचित

(3) बीरा + चित

(4) वि + उचित

23. मदोन्मत्त

(1) मदन + उन्मत्त

(2) मदो + मत्त

(3) मद + उन्मत्त

(4) मदन + मत्त

निर्वेश (प्रश्न 24-26) : दिए गए मुहाबरे-लोकोवितयों का सही अर्थ छाँटिए :

24. रंग उड़नु

🔱 घबरा जाना

- (2) रंग फीका होना
- (3) गुलाल विखेरना
- (4) रंग में डूबना

25. विपत्ति मोल लेना

- (1) बिना पत्ते की सब्जी लेना
- (2) जान-बूझ कर संकट में पड़ना
- (3) एक दवाई खरीदना
- (4) मुसीबत खरीदना

26. आगे कुऔ, पीछे खाई

- **(४)** दोनों ओर विपत्ति होना
- (2) दोनों ओर गहरे गड्ढे होना
- (3) पहले कुआँ खोदना, फिर खाई
- (4) सामने कुआँ, पीठ पीछे खाई होना

निदेश	। (प्रश्न 27-28) : निम्नलिखत शब्दा क	लिए इनका उपयुक्त ।वलाभ रान्द्र (।वस्पातायक) आटर :
27.	गणतन्त्र	
	प्रिक्र प्रजातंत्र	(2) बद्धयतंत्र
	(3) यन्त्रतंत्र	राजतंत्र
28.	गुण	(2) गुणातीत
	(1) सगुण	
	(3) असगुण	(4) गान
निर्वेश	हा (प्रश्न 29-31) : निम्नेलिखित बाक्यांशों	के लिए विकल्पों में से उपयुक्त शब्द चुनिए :
29.	जिसके समान दूसरा न हो	
	(1) अद्वितीय	(2) अनोखा
	(3) अकेला	(4) असमान
30.	जो परीक्षा में उत्तीर्ण न हो	
30.	(६) असफल	(2) अनुत्तीर्ण
		(4) अवनित
	(3) अयोग्य	
31.	जो उपकार को न मानता हो	
	(1) कृतघ्न	(2) उपकारी
	(3) কৃনার	• (4) अनुपकारी 👈
निर्दे	ज्ञ (प्रश्न 32-34) : नीचे दिए गए सब्दों वे	s विकल्पों में से एक शब्द पर्यायवाची (समानायीं) नहीं है, उसे छॉटिए :
	तलवार	
	(1) खड्ग	(2) असि
	(3) करगल	क्यार कुटार
33.	गंगा	
33.		(2) सुरसरि
		(4) मंदाकिनी
	(3) अवतरणी	
34.		
	(1)/ भूपेन्द्र	(2) श क
	😕 सुरपति	(4) पर्वतारि
631	1-L	6

निर्देश (प्रश्न 35-37) : दिए गए विकल्पों में से शुद्ध वर्तनी वाला शब्द छाँटिए :

35. (1) शंशय

(2) संस्थ

(3) सन्सय

(4) संशय

36. (1) दृष्य

५२) दुस्य

(3) 第四

(4) दृश

- 37. (1) उद्योगिक
 - **्र) आंद्यो**गिक
 - (3) उद्यौगिक्
 - (4) ओधोगिक
- 38. दिए गए विकल्पों में से 'सम्राट्' शब्द का स्वीलिंग छोटिए :
 - (1) सम्राटी

(2) समराटिन

(3) सम्राज्ञी

- (4) स्वी-सम्राट्
- 39. दिए गए विकल्पों में से 'ज्ञानवती' का पुल्लिंग शब्द छाँटिए :
 - (1) ज्ञानवत

(२) ज्ञानवान्

(3) ज्ञानयुक्त

- (4) ज्ञानेय
- 40. 'युवा' शब्द का लिंग परिवर्तित करने के लिए निम्नलिखित विकल्पों में से सही शब्द छोटिए :
 - (1) युवी

(2) युवराज्ञी

अ युवती

(4) युवराज

Part - II (Questions: 41 to 200)

41.	Alice Munro has been awarded the Nobel Prize for 2013 in the field of						
	(1)	Medicine.	(2)	Economics.			
	426	Literature.	(4)	Physics.	1.2		
42.	Whic	h among the following ban	ks celebrated	d its centenary year in October 2013?			
	(1)	State Bank of Mysore		Syndicate Bank			
	(3)	Indian Overseas Bank	46	Allahabad Bank			
43.		etail giant Walmart Stores ber 2013?	Inc has calle	led off the joint venture (JV) with th	e in		
			121	Bharti Group			
	(1)	Reliance Group	(4)				
	(3)	Aditya Birla Group					
44.	'Ker	an', the area recently in the Unnac Distt in Uttar Prac Kedarnath Valley, Uttara	iesh	eated in which part of India?			
	(2)	Coastal area in North Od					
	(3)	Northern Kashmir, J&K		- 19.4E			
	(4)	Mordigan Kasamin,					
45	Hoy	w many teams took part in	the first ever I	Indian Badminton League (IBL) held	in 2013 ?		
40	ery.	6	(2)	선생이 나왔다는 사이에 가느로 그리지 않아왔다는 아이들의 하라이는 사람이 있는 것이다고 있다면 다 있다.			
	(3)	10	(4)	1) 7			
46	i. Wh	to has been chosen for the standing contribution towards	he 21 st Rajiv rds promotion	v Gandhi National Sadbhavna Awar an of communal harmony, peace and g	rd for his oodwill?		
	(1)	Ud Amjad Ali Khan	Tada is	, 이 기업 이 속은 것이 없는			
41.	(2)	Ud Zakir Hussain					
	(3)	APt. Birju Maharaj					
	WH	Pt. Vishwa Mohan Bha	u –				
6	31 – L		8	8			

Writer A contributed to which branch of literature? (1) Poetry (4) All of these (3) / Drama Who was the Bengali writer among the following? (1) (3) Writer C contributed to which branch of literature? Drama **Poetry** All of these (3) Novel

Directions (Questions 69-70): Each of these questions has a statement followed by two conclusions I and II. Consider the statement and the following conclusions. Decide which of the (drx4)-/8+304 conclusions follows from the statement. Mark the answer as

- if conclusion I follows. (1)
- if conclusion II follows. (2)
- if either conclusion I or II follows.
- if neither conclusion I nor II follows. (4)
- Statement: A good voice is a natural gift; but one has to keep practising to improve and 69. excel well in the field of music.

Conclusions:

- I. Natural gifts need nurturing and care.
- II. Even though your voice is not good, one can keep practising.
- Domestic demand has been increasing faster than the production of indigenous crude oil.

12

Conclusions:

631-L

- I. Crude oil must be imported.
- II. Domestic demand should be reduced.



13

- (3)
- remedial strategies required. 14%
- 100. A creative learner is one who is
 - highly intelligent. (1)
 - (2) p good in drawing and painting.
 - good at lateral thinking and problem solving.
 - capable of scoring consistently good marks in tests.

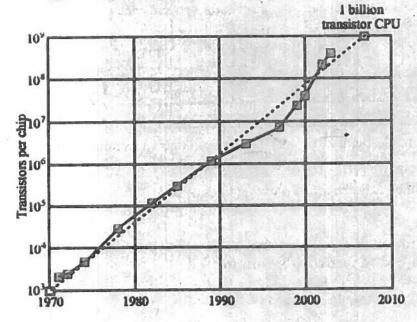
17

Hash search All of these

Linear search

Binary search

139. The diagram below represents



(1) Moore' law.

(2) Newton Raphson method.

(3) Boyle's law.

(4) Gregor law.

140. ___ is the first Intel x86 microprocessor with a dual core, referring to the implementation of two processors on a single chip.

(1) Core

(2) Core 2 duo

(3) Dual core

(4) Centrino

141. _____ chips are high speed processors that are known for their small die size and low power requirements. They are widely used in PDAs and other hand held devices, including games and phones as well as a large variety of consumer products. It is probably the most widely used embedded processor architecture and indeed the most widely used processor architecture of any kind in the world.

HAND

(2) LEG

(3) ARM

(4) SUN

142. Which of the following is not true for overloaded functions in C++?

- Overloaded functions should have different argument lists.
- (2) Overloaded functions having the same argument lists should have a different return type.
- (3) Functions cannot be overloaded on the basis of one being static and the other nonstatic.
- (4) None of these

143. A ____ is a communication pathway connecting two or more devices. Another of its' key characteristic is that it is a shared transmission medium. A signal transmitted by any one device is available for reception by all other devices attached to it.

(1) Train

(2) Bus

(3) Tram

(4) Aeroplane

144. The following diagram shows a 1/0 Bus Memory interconnection scheme. Bus interconnection scheme. Throughput. (4)I/O. (3) 145. Which constructor will be called by the following lines of code? Student S1; (i) (ii) Student S2 = S1; (1) First copy constructor, then default constructor. First default constructor, then copy constructor. Default constructors for both lines of code. (4) Copy constructors for both lines of code. memory is intended to give memory speed approaching that of the fastest memories available, and at the same time provide a large memory size at the price of less expensive types of semiconductor memories. (2) Counter (1) Register Cache Flip flop (3) 147. Consider the following EMP table and answer the question below: SALARY GRADE EMP NO E1 1000 E001 **E4** 2000 E002 **E2** 1500 E003 **E4** 4000 E004 Which of the following select statement should be executed if we need to display the average salary of employees who belong to grade "E4"? select avg(salary) from EMP whose grade="E4"; (1) (2) select avg(salary) from EMP having grade="E4"; select avg(salary) from EMP group by grade where grade="E4"; select avg(salary) from EMP group by grade having grade="E4"; 148. The major functions or requirements for an I/O; module fall into which of the following categories? Processor communication. Control and timing. (1) (4) All of these Data buffering. (3) 149. Consider an arbitrary number system with the independent digits as 0, 1 and X. What

is the radix of this number system?

(1)

(3)

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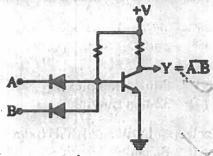
3

150. The following diagram shows a



- (1) **Exclusive-NOR** gate
 - AND gate **(3)**

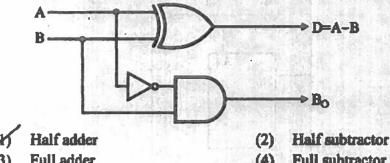
- NAND gate
- OR gate
- 151. The following diagram depicts logic.



(1) diode (2) transistor

diode-transistor (3)

- (4) resistor
- 152. The diagram below shows a



Full adder

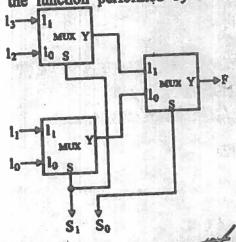
- Full subtractor
- 153. Which of the following statements is true?
 - The JAVA compiler produces a code for JVM, which is executed by a JAVA interpreter.
 - The JAVA compiler produces a code directly for JAVA interpreter.

The JAVA compiler directly executes code in JVM.

- The JAVA compiler helps in directly executing a code on different operating systems.
- ____, also called a data selector, is a combinational circuit with more than one input line, one output line and more than one selection line.
 - (1) de-multiplexer

- (2) multiplexer or MUX
- operational amplifier (3)
- integrated circuit

155. Determine the function performed by the combinational circuit of the given figure.



4-to-1 multiplexer

16-to-1 multiplexer

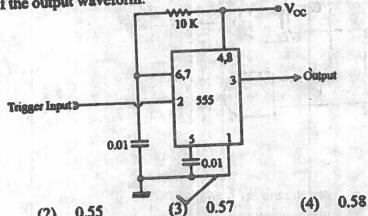
8-to-1 multiplexer 32-to-1 multiplexer

- multivibrator circuit is one in which both LOW and HIGH output states are stable. 156. A Bistable
 - Monostable (1)

Multistable (3)

Tristable

157. Refer to the monostable multivibrator circuit in the figure below. The trigger terminal (pin 2 of the IC) is driven by a symmetrical pulsed waveform of 10 kHz. Determine the duty cycle of the output waveform.



(1) 0.56

0.55 (2)

158. In a Schmitt trigger inverter circuit, the two trip points are observed to occur at 1.8 and 2.8 V. At what input voltage levels will this device make (a) HIGH-to-LOW transition and

(b) LOW-to-HIGH transition?

2.8 V & 1.8 V

4 V & 2.2 V

159. A web page contains many small images. We can speed up the performance of the browser by

having multiple processes executed simultaneously. (1)

having multiple threads.

increasing the speed of the transmission line.

increasing the main memory of the system.

160. The percentage resolution of an eight bit D/A converter is

(3) 0.50%

0.39% (1)

0.38%

0.51% (4)

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162. If a user is not able to see the image on the web page, the text that is displayed in place of the image, is specified by which of the following attributes in HTML?

(1) ALTERNATE

ALTLINK

(3) ALT_TEXT

(4) ALT

163. An array is

(1) probably the most widely used data structure.

(2) a homogeneous structure.
(3) a random access structure.

All of these

164. ____ are used to access data on secondary, sequential-access stores, such as disks and tapes.

(1) Sequences

(2) Arrays

(3) Records

(4) Registers

165. Sorting is

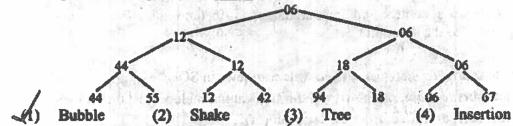
(1) a process of re-arranging a given set of objects in a specific order.

(2) to facilitate the later search for members of the sorted set.

(3) is a relevant and essential activity, particularly in data processing.

(4) All of these

166. The figure below represents a _____ sort.



167. The figure below represents a



(1) Hilbert curve of order 3.

(2) Hilbert curve of order 2.

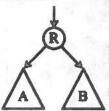
(3) Hilbert curve of order 1.

(4) Hilbert curve of order 4.

168.	Internal	linking	with	respect	to	HTML	means
------	----------	---------	------	---------	----	------	-------

- (1) linking one part of the document on one computer, to another part of the document on some other computer with the same file name.
- linking one part of the document on one computer, to another part of the document on some other computer in the same LAN.
- (3) linking one part of the document to another part of the same document.
- (4) linking one part of the document to another document on the same computer.

169. The figure below represents a

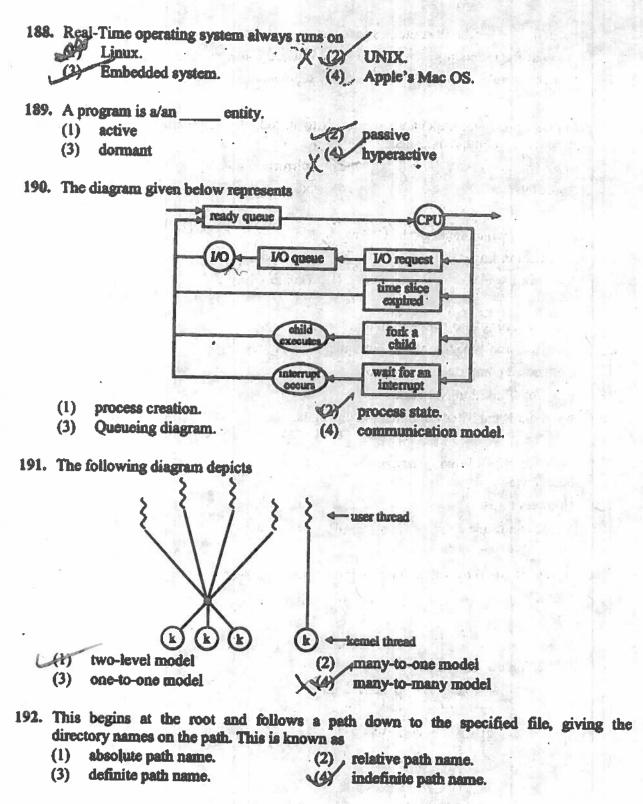


- (H) Binary tree
- (3) Insert sort

- (2) Recursive tree
- (4) Unitary tree
- 170. The command used to see the fields of the table alongwith their datatypes in SQL is
 - (1) Select fields from dual where table="MANAGER";
 - (2) Select field names, datatype from dual where table name="MANAGER";
 - (3) Desc MANAGER;
 - Select description from dual where table_name="MANAGER";
- 171. Which of the following statements is NOT true for Rollback statements in SQL?
 - (1) All savepoints marked after the savepoint to which you rollbacked, are erased.
 - (2) It does not free any resources held by the transaction.
 - The savepoint to which you rollback is not erased.
 - (4) The Rollback statement will erase all data modifications made from the start of the transaction to the savepoint.
- 172. Which of the following statements is not true for views in SQL?
 - (1) Select statement used in the view definition cannot include ORDER BY clause.
 - (2) A view derives its data from the base table(s).
 - (3) A view is updatable if it has been defined from a single relation.
 - (4) A view contains a copy of the data.
- 173. An important quantitative measure of the complexity of a binary tree is its _____ lt also provides a measure of the average depth of all nodes in the tree.
 - -(1') average path length
- (2) median path length
- (3) mode path length
- (4) simple deviation path length

174. The figure below depicts the hierarchy of Object Character Boolean Void Number Byte Short Integer Float Double Long (1) Heap Wrapper V (3) Inheritance Abstract 175. The following figure is a tree after zig-zig rotations. (1) Heap Bubble Splay (3) 100 Binary 176. The diagram below represents a solution to the 2 n 3 5 6 Knights Tour. (1) Eight Queens Problem. (3) Kings Problem. Rooks Problem. 177. The function of the XML parser is to convert XML content into HTML content. convert XML content into DHTML content. **(2)** convert XML content into XML DOM content. (3) convert XML content into binary code. 178. The following data refer to a hard disk: number of tracks per side = 600; number of sides = 2; number of bytes per sector = 512; storage capacity in bytes = 21 504 000. Determine the number of sectors per track for this hard disk. (1) / 35(2) **Y31** 45 (4) 50

27



193. Each process is contained in a single section of memory that is contiguous to the section containing the next process is called

(1) contiguous memory protection.

Of contiguous memory allocation.

(3) contiguous memory relocation.

0

(4) contiguous memory utilization.

Both the first-fit and best-fit strategies for memory allocation suffer from

- (1) external fragmentation.
- (2) internal fragmentation.

(3) 50-percent rule.

segmentation.

295. The simplest, but most expensive, approach to introductory redundancy is duplicate to every disk. This technique is called

(1) swap space.

mitroring.

(3) page slots.

(4) None of these

196. Bridge works in which layer of the OSI model?

- (1) Application Layer
- (2) Transport Layer

(3) Network Layer

(4) Datalink Layer

197. What is the meaning of bandwidth in a network?

- Transmission capacity of a communication channel.
- (2) Connected computers in a network.
- (3) Class of IP used in Network.
- (4) Interconnected by communication channels.

198. Which one of the following transmission systems provides the highest data rate to an individual device?

(1) Computer bus

(2) Telephone bus

(3) Voice and mode

(4) Lease lines

199. The file size of a 640 by 480 picture of 256 colours in a 8-bit resolution is

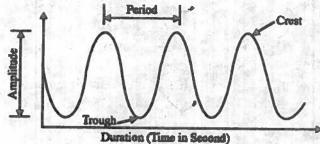
(1) 300 KB

(2) 900 KB

(3) 128 KB

(4) 1024 KB

200. The diagram below depicts:



- (1) Sound in wave form.
- (2) Wind frequency.

(3) Line of sight.

(4) - Compressions on a map.

P. Po . 438 87-0 8185

15011 - LSWCA

INSTRUCTIONS TO CANDIDATE

P0558

1. Please do not open this booklet until you are told to do so.

9 4587 0815

- 2. Fill up the necessary information in the space provided on the cover of the Question Bookk and the Answer Sheet before commencement of the test.
- The duration of the test is 3 hours. There are 200 questions.
- 4. Please check for the completeness of the Question Booklet immediately after opening.
- 5. Each question has four answer options marked (1), (2), (3) and (4).
- 6. Answers are to be marked on the Answer Sheet, which is provided separately.
- Choose the most appropriate option and darken the oval completely, corresponding to (1), (2),
 (3) or (4) against the relevant question number.
- 8.5 Use only blue ball point pen to darken the oval for answering.
- 9. Blease do not darken more than one oval against any question, as scanner will read such marking as wrong answer.
- 10. Once an oval is darkened as answer to the question, it cannot be changed.
- 11. All questions carry equal marks. There is no negative marking.
- 12. Rough work, if any, is to be done on the question booklet only. No separate sheet will be provided/used for rough work.
- 13. Calculator, Mobile etc., are not permitted inside the examination hall.
- 14. Candidates seeking, receiving and/or giving assistance during the test will be disqualified.
- 15. Appropriate civil/criminal proceedings will be instituted against the candidate taking or attempting to take this booklet or part of it outside the examination hall during the test, besides cancellation of his/her candidature.
- 16. The right to exclude any question(s) from final evaluation rests with the testing authority.
- 17. Candidate may take the Question Booklet after the completion of the test.

SEAL