

SHIKSHA ABHIYAN SCHOLARSHIP TEST (SAST) - 2018

Tes	st Booklet Co	de
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SAST

This Booklet contains Pages

Test Code: SAST201801

Do not open this test Booklet until you are asked to do so.

Time: 2 mout	5	Max Marks: 30
	CLASSES XI &	XII
Name of the Ca	ndidate (in Capitals) :	
Roll Number	In figures :	
	In Words :	
Centre of Exan	nination (in Capitals) :	
Candidate's Sig	nature:	

CONTROLLER OF EXAMINATION

Invigilators's Signature:

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SAMPLE QUESTIONS (CLASSES 11 & 12)

MATHS

- Q.1. Gopi gives Rs. 90 plus one turban as salary Q6. to his servant for one year. The servant leaves after 9 months and receives Rs. 65 and the turban. Find the price of the turban.
 - (a) Rs. 12

(b) Rs. 15

(c) Rs. 10

(d) Rs. 16

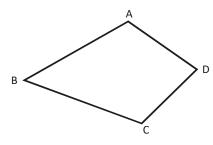
- Q2. How many four digit numbers are there such that all digits used to form the number are not distinct?
 - (a) 9000

(b) 4536

(c) 4464

(d) 8240

Q3. In figure ABCD, if AB = BC and $\angle BAD$ and $\angle BCD$ are right angles, then which of the following is necessarily true?



- (a) $\angle BCA = \angle CAD$
- (b) $\angle CBA = \angle CDA$
- (c) AD = CD
- (c) AD = AC
- Q4. Suppose the average weight of 9 persons is 50 kg. The average weight of the first 5 persons is 45 kg, whereas the average weight of the last 5 persons is 55 kg. Then the weight of the 5th person will be
 - (a) 45 kg

(b) 47.5 kg

(c) 50 kg

(d) 52.5 kg

- Q5. In a city, 12% of households earn less than Rs. 30,000 per year, 6% households earn more than Rs. 2,00,000 per year, 22% households earn more than Rs. 1,00,000 per year and 990 households earn between Rs. 30,000 and Rs. 1,00,000 per year. How many households earn between Rs. 1,00,000 and Rs. 2,00,000 per year?
 - (a) 250

(b) 240

(c)230

(d) 225

ENGLISH

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Passage

Why do people prefer open defecation and not want toilets or, if they have them, only use them sometimes? Recent research has shown two critical elements: ideas of purity and pollution, and not wanting pits or septic tanks to fill because they have to be emptied. These are the issues that nobody wants to talk about, but if we want to eradicate the practice of open defecation, they have to be confronted and dealt properly.

Which among the following is the **most crucial message** conveyed by the abbve passage?

- (a) The ideas of purity and pollution are so deep-rooted that they cannot be removed from the minds of the people.
- (b) People have to perceive toilet use and pit- emptying as clean and not polluting.
- (c) People cannot change their old habits.
- (d) People have neither civic sense nor sense of privacy.

ANALYTICAL REASONING

- Four tests-Physics, Chemistry, Mathematics and Biology are to be conducted on four consecutive days, not necessarily in the same order. The Physics test is held before the test which is conducted after Biology. Chemistry is conducted exactly after two tests are held. Which is the last test held?
- (a) Physics

Q7.

(b) Biology

(c) Mathematics

(d) Chemistry

Q8. Consider the following:

A + B means A is the son of B.

A - B means A is the wife of B.

What does the expression P + R - Q mean?

- (a) Q is the son of P
- (b) Q is the wife of P
- (c) Q is the father of P
- (d) None of the above

SHIKSHA ABHIYAN SCHOLARSHIP TEST (SAST) - 2018				Test Code: SAST20180		
	PHYS	<u>ICS</u>		SOCIAL	SCIENCES	
9.	An object started travelling from one end of the semicircular track and reached the other		15.	duced by	ent system was intro-	
		he track is 12.56 m. Cal-		(a) Lord Curzon	(b) Robert Clive	
	•	e of its displacement.		(c) Lord Canning	(d) Lord Ripon	
	(a) 4 m	(b) 8 m				
	(c) 12 m	(d) 2 m	16.	Which one of the following cities is called the Manchester of Japan?		
10.	A body of mass 5 kg moving at a speed of			(a) Nagoyo	(b) Osaka	
	$10\mathrm{ms}^{1}$ comes to rest in 2 s, the frictional force on it is			(c) Fukui	(d) Hiroshima	
	(a) 50 N	(b) 10 N	17.	The act of being kep	t in custody by the po-	
	(c) 15 N	(d) 25 N		lice is called		
	()			(a) detention	(b) retention	
<u>CHEMISTRY</u>				(c) expulsion	(d) None of these	
11.	Identify isobars amo	ng the following				
	(a) ${}_{z}^{A}P$, ${}_{z+1}^{A}Q$	(b) ${}_{z}^{A}P$, ${}_{z}^{A+1}P$	18.	= = = = = = = = = = = = = = = = = = = =	ad from Lucknow to the minimum number	
	(C) ${}_{z+1}^{A}Q$, ${}_{z+1}^{A+1}R$	(d) None of these			through which you can origin and the destina-	
12.	Caustic potash cannot be used to remove the following impurity.			tion?	origin and the destina	
				(a) 4	(b) 5	
	(a) CO ₂	(b) <i>SO</i> ₂		(c) 6	(d) 7	
	(c) NO ₂	(d) <i>CO</i>				
		(4) 60	19.		ok Sabha, a nomina-	
BIOLOGY				tion paper can be filed by (a) anyone residing in India.		
13. Unisexual flowers contain				(b) a resident of the co	onstituency from which be contested.	
	(a) only stamen or pi				whose name appears	
	(b) Both stamen and pistil			• •	ll of a constituency.	
	(c) one or more ovul (d) Tough coat to pre			(d) any citizen of Indi	-	
	(d) Tought Coat to pre	everit drying		. , .		
14.	Deep sea is an incomplete ecosystem be-		20.	Right to vote and to b	oe elected in India is a	
cause			(a) Fundamental Rig	ht		
(a) Producers are absent (b) Consumers are absent				(b) Natural Right		
				(c) Constitutional Rig	ıht	
	(c) Decomposers are absent			(d) Legal Right		
	(d) Life is absent					
		(SPACE FOR R	OUGH	(WORK)		

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Test Booklet Code



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Important Instructions:

- 1. The Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars carefully with **blue/black** ball point pen only.
- 2. The test is of 2 hours duration and Test Booklet contains **90** questions. Each question carries **4** marks. For each correct response, the candidate will get **4** marks. For each incorrect response, **NO** any mark will be deducted from the total score. The maximum marks are **360**.
- 3. Use **Blue/Black Ball Point Pen only** for writing particulars on this page/marking responses.
- 4. Rough work is to be done on the space provided for this purpose in the Test Booklet only.
- 5. On completion of the test, the candidate must handover the Answer Sheet to the invigilator before leaving the Room/Hall. The candidates are allowed to take away this Test Booklet with them.
- 6. The CODE for this Booklet is **P**. Make sure that the CODE printed on the Answer Sheet is the same as that on this Booklet. In case of discrepancy, the candidate should immediately report the matter to the Invigilator for replacement of both the Test Booklet and the Answer Sheet.
- 7. The candidates should ensure that the Answer Sheet is not folded. Do not make any stray marks on the Answer Sheet. Do not write your roll no. anywhere else except in the specified space in the Test Booklet/Answer Sheet.
- 8. Use of white fluid for correcection is **NOT** permissible on the Answer Sheet.
- 9. Each candidate must show on demand his/her Admit Card to the Invigilator.
- 10. No candidate, without special permission of the Superintendent or Invigilator, would leave his/her
- 11. The candidates should not leave the Examination Hall without handing over their Answer Sheet to the Invigilator on duty and sign the Attendance Sheet. Cases where a candidate has not signed the Attendance Sheet will be considered as absent.
- 12. Use of Electronic/Manual Calculator is prohibited.
- 13. The candidates are governed by all Rules and Regulations of the Board with regard to their conduct in the Examination Hall. All cases of unfair means will be dealt with as per Rules and Regulations of the Board.
- 14. No part of the Test Booklet and Answer Sheet shall be detached under any circumstances.
- 15. The candidates will write the correct Test Booklet Code as given in the Test Booklet/Answer Sheet in the Attendance Sheet.

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