SHIKSHA ABHIYAN SCHOLARSHIP TEST (SAST) - 2018

Test Booklet Code

Q

SAST

This Booklet contains ...... Pages

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

Time : 2 Hours   **Max Marks : 360**

CLASSES VIII, IX & X

Name of the Candidate (in Capitals) : _____

Roll Number   In figures : _____

                   In Words : _____

Centre of Examination (in Capitals) : _____

Candidate's Signature : _____

Invigilators's Signature : _____

CONTROLLER OF
EXAMINATION

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SAMPLE QUESTIONS (CLASSESE 8, 9 & 10)

MATHS

1. Which of the following pairs is a pair of co-primes?

   (a) (18, 25)   (b) (7, 14)

   (c) (12, 6)   (d) (9, 9)

2. The diagonals of a rhombus are 24 cm and 10 cm. Find the side of the rhombus (in cm).

   (a) 14   (b) 13

   (c) 15   (d) 17

3. Four cubes are attached to the four faces of another cube. The length of the edge of each of the five cubes is 6 cm. Find the total surface area of the solid so formed (in sq cm)

   (a) 786   (b) 824

   (c) 784   (d) 792

4. A person save 10 minute in covering a certain distance by increasing his speed by 20%. What is the time taken by him to cover the distance at his usual speed? (in min)

   (a) 60   (b) 50

   (c) 40   (d) 70

ENGLISH

Directions (Q. Nos. 5-8) Fill in the blanks using suitable options given below.

Good leaders know that, fundamentally, their job is to help others make the most of themselves viewed in strictly ...**1**...terms, that is their greatest contribution to their companies. People, employees, are a great untapped...**2**... of energy. Leaders who can tap this source are valuable to any organisation. It does not elaborate...**3**...to bring out the best in people. If you recognise their work, they will... **4**...give you the best that's in them.

5. Which of these fits the gap 3 ?

   (a) troubles   (b) pains

   (c) benefits   (d) incentives

6. Which of these fits the gap 2 ?

   (a) utilisation   (b) consumption

   (c) conservation   (d) reservoir

7. Which of these fits the gap 4 ?

   (a) probably   (b) occasionaly

   (c) seldom   (d) reluctant

8. Which of these fits the gap 1 ?

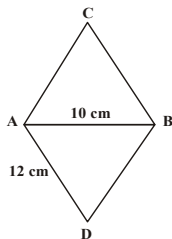   (a) commercial   (b) casual

   (c) useful   (d) sensible

ANALYTICAL REASONING

9. In a certain code if the word SPHERE is coded as EREHPS, then how is the word 'EXHIBITION' coded in that language?

   (a) NOTITBIHXE   (b) NOITIDIHXE

   (c) NOITIBIHWE   (d) NOITIBIHXE

10. A's father's wife's mother is C, whose only child is D. How is D related to A's brother?

    (a) Grandmother   (b) Aunt

    (c) Sister   (d) Mother

(SPACE FOR ROUGH WORK)

SCIENCE

11. The course of movement of two particles X and Y is drawn below. Both the particles started from A and stopped at B, X moves along ACB and Y moves along ADB.

If both the particles take 5 seconds to reach B, calculate the speeds of X and Y respectively.

Given that, ACB is an equilateral triangle and ADB is an isoscles triangle in which AD = DB = 12 cm

(a) 4 cm s^{-1} and 4.8 cm s^{-1}

(b) 48 cm s^{-1} and 4 cm s^{-1}

(c) 4 cm s^{-1} and 4 cm s^{-1}

(d) 4.8 cm s^{-1} and 4.8 cm s^{-1}

12. A takes 10 seconds, B takes 5 seconds, C takes 15 seconds and D takes 12 seconds to do the same work. Arrange the increasing order of their power.

(a) B < C < A < D
(b) A < C < B < D
(c) B < A < D < C
(d) C < D < A < B

13. Identify an alkali which undergoes decomposition on heating.

(a) NaOH
(b) KOH
(c) $Ca(OH)_2$
(d) All of the above

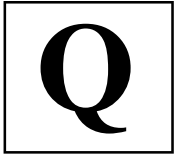14. Coal gas is a mixture of

(a) $H_2 + CH_4 + CO$
(b) $C_4H_{10} + H_2 + CO$
(c) $C_2H_6 + H_2 + O_2$
(d) $C_4H_{10} + CO + O_2$

15. Sleeping sickness is caused by

(a) Trypanosoma
(b) Leishmania
(c) Tsetse fly
(d) Filarial worm

16. Presence of hair and internal fertilization is a characteristic feature of

(a) Amphibians
(b) Reptiles
(c) Birds
(d) Mammals

SOCIAL SCIENCE

17. Who partitioned Bengal in 1905 ?

(a) Viceroy Lord Mount Batten

(b) Viceroy Curzon

(c) Richard Canning

(d) Warren Hasting

18. The Government of India created the Ministry of Human Resource Development in the year

(a) 1987
(b) 1985
(c) 1982
(d) 1983

19. The constitutional advisor of the President is the

(a) Chief of the armed forces
(b) Prime Minister
(c) Speaker
(d) VicePresident

20. Sati Pratha was banned in the year

(a) 1839
(b) 1829
(c) 1819
(d) 1849

(SPACE FOR ROUGH WORK)

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

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 **Q.** 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 seat.

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 second time 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.

ANSWER KEY

1. a
2. b
3. d
4. a
5. d
6. d
7. a
8. a
9. d
10. d
11. a
12. d
13. c
14. a
15. a
16. d
17. b
18. b
19. b
20. b