

ALL KERALA ASSOCIATION OF ISC SCHOOLS
SCHOLARSHIP EXAMINATION - SEPTEMBER 2013

STANDARD - VIII

Date of Examination: 27 Sep. 2013

Max. Marks: 100

Starting Time: 10 am

Time: 1½ hr

School Code KE:.....

Register No:.....

Name in Block Letters:.....

Signature of the Supervising Examiner:.....

Read the following instruction carefully. You will not be allowed to write during the first five minutes. This time is to be spent in reading the instructions. The time given on this question paper is the time allowed to write the answers. Answers must be written in the space provided along with each question. This question paper consists of four sections. All sections are to be answered.

SECTION A

ENGLISH (20 MARKS)

- I. Complete the passage given below by filling in each of the numbered blanks. With the correct form of word given in brackets. Do not write the passage but write in correct serial order the word or phrase appropriate to the blank space. Marks 6**

Luck (O) (play) an immense role. Some of it (1) (come) after I entered the business world but my lucky streak. I (2) (start) much earlier than that I (3) (fortunate) to have a family and teachers who (4) (encourage) me. I (5) lucky to become a friend of Paul Allen. Whose talents (6) (prove) very successful for Microsoft (O) plays.

- II. Fill in the blanks in the following sentences with a SINGLE appropriate word. Marks 2**

1. The timings have changed last month.
2. You must not go this point.
3. He is too miserly to part money.
4. Can you cure me this ailment.

- III. Rewrite the following sentences correctly according to the instructions given after each. Make other changes that may be necessary, but do not change the meaning of each sentence.**

1. I accept your offer. (Use: acceptable) Marks 4

Ans:.....

2. It was a wonderful experience, said Rekha. (begin with Rekha said.....)

Ans:.....

3. I definitely remember that I wrote the letter. (Use : written)

Ans:.....

4. If you heat water, it boils. (Begin : water.....)

Ans:.....

IV. Form the opposites of the following words choosing the correct prefix mis or dis. Marks 4

(a) loyal x (b) believe x

(c) spell x (d) manage x

V. Give a single word for the following

Marks 4

1. Which cannot be read.

Ans:.....

2. One who looks at the dark side of things

Ans:.....

3. People at lecture or concert

Ans:.....

4. Skilled in various languages

Ans:.....

SECTION B

MATHEMATICS (20 MARKS)

Choose the correct answer

1. If the area of an equilateral triangle is $100\sqrt{3}$ cm². Find its perimeter.

(a) 400 cm (b) 75 cm (c) 60 cm (d) $20\sqrt{3}$

2. If $x=yz$, then what is the value of xy ?

(a) y^2z (b) z (c) yz^2 (d) y

3. The average of a, b, s and t is 6. If the average of s and t is 3. What is the average of a and b?

(a) 24 (b) 3 (c) 9 (d) 2

4. The sum of two numbers, one of which is one third of the other is 36. Then the smaller number is.....

(a) 5 (b) 4 (c) 3 (d) 9

5. By selling an electric bulb at Rs. 150 a dealer makes a profit of 25%. Find the cost price of that article

(a) Rs. 120 (b) Rs. 100 (c) Rs. 125 (d) Rs. 150

6. If b% of a and d% of c are equal find a : c.

(a) b:d (b) ca:d (c) d:b (d) c:d

7. The third proportional to 16 and 18 is

(a) 2 (b) 6 (c) 3 (d) 4

8. A speed of 108 km/hr is the same as

(a) 30m/s (b) 45m/s (c) 60m/s (d) 65m/s

9. 15 men can do $\frac{1}{2}$ work in 20 days. In how many days will 20 men do the full work.

- (a) 15 (b) 20 (c) 25 (d) 30

10. The value of $\sqrt[3]{\frac{512}{3375}}$ is

- (a) $\frac{15}{8}$ (b) $\frac{15}{4}$ (c) $\frac{4}{15}$ (d) $\frac{8}{15}$

11. If $a^2+b^2=45$ and $ab=18$. Find $\frac{1}{a} + \frac{1}{b}$

- (a) $\frac{1}{3}$ (b) $\frac{2}{3}$ (c) $\frac{1}{2}$ (d) none of these

12. $n(A)=0.25$, $n(B)=0.5$, $n(A \cap B)=0.14$ then $n(A \cup B)$?

- (a) 0.61 (b) 0.62 (c) 0.16 (d) none of these

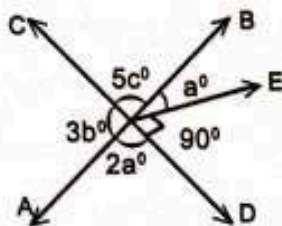
13. Ratio of the area of two squares is 25:9. Find the ratio of their perimeters.

- (a) 5:9 (b) 9:5 (c) 5:3 (d) 3:5

14. $\frac{5^{-2} \times 3^{-2} \times (125)^{2/3}}{(27)^{-2/3} \times (32)^{-1/5}} = ?$

- (a) 2 (b) 4 (c) 3 (d) 5

15. Lines AB and CD intersect at O. If $\angle COE=90^\circ$ find they value of a, b and c.



- (a) 30, 40, 15 (b) 30, 40, 12 (c) 30, 60, 12 (d) none of these.

16. The value of $\frac{3+\sqrt{5}}{3-\sqrt{5}}$ is

- (a) $\frac{\sqrt{5}}{4}$ (b) $\frac{7+3\sqrt{5}}{2}$ (c) $\frac{5\sqrt{5}}{4}$ (d) $\frac{\sqrt{5}}{3}$

17. Find the value of $(243)^{0.8} + (243)^{0.4} =$

- (a) 49 (b) 25 (c) 9 (d) 16

18. A and B together can do a piece of work in 6 days and A alone can do it in 9 days in how many days can B alone do it?

- (a) 16 (b) 15 (c) 12 (d) 18

19. The surface area of a cube is 1176 cm^2 . The volume of this cube is

- (a) 7056 cm^3 (b) 4704 cm^3 (c) 2744 cm^3 (d) 3528 cm^3

20. Who is called the father of geometry?

- (a) Pythagoras (b) Euclid (c) Henry Briggs (d) John Napier

SECTION C
SCIENCE (30 MARKS)

Choose the correct answer and write in the given space.

1. Suns and stars exist in the state of
(solid, gases, liquid, plasma)
2. Filament of ordinary bulb is made by
(Copper, silver, tungsten, brass)
3. The speed greater than sound is called
(Ultrasonic, supersonic, infrasonic, audible)
4. Freezing point of mercury in Celsius scale is minus.....
(0°C, 4°C, 39°C, 29°C)
5. While swimming in water we use Newtons
(First law, Second law, third law, Law of gravitation)
6. The nuclear fuel ${}_{92}\text{U}^{238}$ is enriched with
(Thorium, Plutonium, Barium, Radium)
7. Albert Einstein received the Nobel prize for explaining
(Theory of relativity, photoelectric effect, dispersion of light, $E=mc^2$)
8. Alpha rays contain
(electrons, protons, protons and neutrons, energy)
9. The minimum velocity of to go out of earth's gravitational pull is called
(gravitational velocity, angular velocity, escape velocity, terminal velocity)
10. Electron volt is used for measuring
(Charge of electron, voltage, mass of electron, energy)
11. Atoms having different number of protons and different number of electrons, but same number of neutrons are called.....
(isotopes, isobars, isotones, isomers)
12. Sugar present in DNA is
(Pentose, Glucose, Sucrose, Hexose)
13. The most suitable particles for splitting the nucleus of an atom is
(Protons, electrons, neutrons, deuterons)
14. A cosmic year is
(100 million years, 250 million years, 500 million years, 1000 million years)

15. Plant with a single leaf.....
(Amorphophallus, yucca, sequoia, alstonium)
16. A sea animal that swimmes vertically.....
(Dolphins, Sea horse, whale, sharks)
17. Magnification of electron microscope.....
(2×10^3 times, 2×10^4 times, 2×10^5 times, 2×10^6 times)
18. Our national fruit
(Apple, Orange, Peach, mango)
19. Largest plant cell
(xylem cells, phloem cells, Acetebularia, sclerenchyma)
20. Intermediate between living and non living things
(bacteria, fungus, virus, protozoa)
21. Branch of biology that deals with study of neural diseases
(Neurology, Neuropathology, Oncology, palaeontology)
22. Which plant did Mendel use to study in heritage
(Balasam, ladies finger, garden pea, Tomato)
23. Name of polio vaccine is
(Penicillin, Salk's vaccine, BCG vaccine, streptomycene)
24. The air prevention and control of pollution Act came in to force in
(2001, 1991, 1981, 2011)
25. Oxygen can accept electrons from all elements. Except.....
(Chlorine, Fluorine, Iodine, Bromine)
26. Which is the mineral that is used in jewellery.....
(Ruby, Emerald, garnet, platinum)
27. The hardest metal is
(Iron, copper, chromium, diamond)
28. A metal that has density less than water.....
(Calcium, Sodium, Magnesium, zinc)
29. Which among the following is called 'King of chemicals'.
(H_2O , H_2SO_4 , Hcl, Oxygen)
30. Which of the following organelle is found in both eukaryotic and prokaryotic cell.
(Mitochondria, golgibody, ribosome, centride)

25. With whom does Roger Federer share the record of winning most number of grand slams
26. Who is the director of the Oscar winning film "Slum Dog Millionaire"
27. Who is ISRO chairman
28. Who is called father of Ayurveda
29. Which is the State flower of Kerala?
30. World's Anti tobacco day is on