YES SCHOLARSHIP 2017 – CLASS-9

GENERAL KNOWLEDGE

1. Who is the author of the book - Wings of Fire?

(A) APJ Abdul Kalam (B) Jawahar Lal Nehru

(C) Indira Gandhi (D) Vikram Seth

2. Who wrote the book - ARTHASHASTRA?

(A) Kautilya (B) Ashwaghosa (C) Banabhatta (D) Abul Fazal

3. The most abundant gas emitted from Volcanoes is:

(A) Water vapour (B) Helium

(C) Sulphur Dioxide (D) Carbon Dioxide

4. Traveller Hieun Tsang came during the reign of?

(A) Harsha Vardhana (B) Mohammad Bin Tughlaq

(C) Akbar (D) Chandragupta II

5. The price of a school bag and a shoe are in the ratio 7 : 5. The price of a school bag is `200 more than the price of a shoe. Then the price of a shoe is:

(A) 400 (B) 500 (C) 600 (D) 700

6. If the number p is 5 more than q and the sum of the squares of p and q is 55, the product of p and q is?

(A) 10 (B) -10 (C) 15 (D) -15

7. A motorbike covers a distance of 140 km in 2 hours and 20 minutes while a car covers the same distance in 1 hour and 40 minutes. What is the ratio of their speeds?

(A) 6 : 7 (B) 3 : 7 (C) 4 : 7 (D) 5 : 7

8. Which batsman created world record by scoring 4 consecutive centuries in Cricket World Cup 2015?

(A) Mahela Jayawardene (B) AB de Villiers

(C) Virat Kohli (D) Kumar Sangakarra

9. MICROMAX is the brand of which country?

(A) China (B) South Korea (C) India (D) Japan

10. Who was the first person to reach North Pole?

(A) Robert Peary (B) Ronald Amundsen

(C) Christopher Columbus (D) Henry Hudson

11. What is the full form of WTO?

(A) World trade organisation (B) world travel organisation

(C) World textile organisation (D) none of these

12. Who in India is the supreme commander of armed forces?

(A) President (B) Prime minister

(C) vice president (D) none of these

13. Reserve Bank of India was nationalized in the year?

(A) 1947 (B) 1949 (C) 1950 (D) 1951

14. Who is the first woman IPS officer of India?

(A) S Divyadharsini (B) Kiran Bedi

(C) Adapa Karthik (D) Duvvuri Subbarao

15. Which country is known as 'Land of rising Sun'?

(A)Nepal (B) Korea (C) China (D) Japan

ENGLISH

1. No one could hear him, he _____ in a low voice.

(A) Speak (B) speaks (C) spoke (D) is speak

2. The discussion was by no means _____. It went on for more than four hours!

(A) cut and dried (B) chopped and dried

(C) cut and shredded (D) dried and cut

3. Choose the correct phrase.

(A) Down and up (B) Down and out

(C) Down and town (D) Out and down

4. Disaster management _____ that the areas are mapped beforehand.

(A) is requires (B) requires (C) required (D) is required

5. "I am happy to inspire so many people, _____ women and mothers," said Mary kom.

(A) and (B) special (C) especially (D) also

6. A class full of very good students means _____ failures for the teachers to worry about.

(A) lesser (B) less (C) fewer (D) less than

7. My father decorated my room for my birthday. (Which word is an indirect object noun?

(A) for my birthday (B) father (C) decorated (D) my

8. Subjective pronoun in sentences "We cannot go to movie, until my mom gives permission to go." is

(A) my (B) we (C) until (D) can

9. Relative pronoun in sentence "That was boy whom I saw in party last night." is

(A) that (B) I (C) whom (D) them

10. She put red rose flowers into vase in a great order. (Which word is a concrete noun?

(A) vase (B) flowers (C) order (D) great

11.If you ……………….. the 10 o'clock train, you could be in Mumbai by evening.

(A) catch (B) caught (C) are

12. If I knew that you were coming, I ……………… buy a chicken.

(A) will (B) would (C) should (D) can

13. Mehdi Biswas, a 24 year old man working for a multinational company, ………………. on Saturday on charges of being the voice of ISIS on Twitter.

(A) is arrested (B) was arrested

(C) had arrested (D) have been arrested

14. The railway's decision to increase fare to establish emergency medical rooms at stations across the country …………………. flak from various organizations.

(A) drew (B) draws (C) has drawn (D) is drawn

15. They were deaf ……………………. my cries.

(A) at (B) to (C) with (D) on

MATHEMATICS

1. Every rational number is:

(A) A natural number

(B) An integer

(C) A real number

(D) A whole number

2. The distance of point (2, 4) from x-axis is

(A) 2 units

(B) 4 units

(C) 2 square root of 2 2 4 + units

(D) 6 units

3. The degree of the polynomial (x 3 + 7) (3 – x 2) is:

(A) 5   (B) 3   (C) 2   (D) –5

4. If the volume of a sphere is numerically equal to its surface area, then its diameter is:

(A) 2 units   (B) 1 units   (C) 3 units   (D) 6 units

5. Two sides of a triangle are 5 cm and 13 cm and its perimeter is 30 cm. The area of the triangle is:

(A) 30 cm2   ((B) 60 cm2   (C) 32.5 cm2   (D) 65 cm2

6. The number obtained on rationalising the denominator of $\frac{1}{\sqrt{7}-2}$ is

(A) $\frac{\sqrt{7}+2}{3}$ (B) $\frac{\sqrt{7}-2}{3}$ (C) $\frac{\sqrt{7}+2}{5}$ (D) $\frac{\sqrt{7}+2}{45}$

7. The diagonals of a parallelogram:

(A) Are equal

(B) bisect each other

(C) Are perpendicular to each other (D) bisect each other at right angles.

8. The length of the chord which is at a distance of 12 cm from the centre of a circle of radius 13cm is:

(A) 5 cm   (B) 12 cm   (C) 13 cm   (D) 10 cm

9. A surd which has rational factor other than unity and other factors being irrational is said to be

(A) Mixed surd   (B) pure surd   (C) similar surd (D) unlike surd

10. If 2 sets A and B are given, then set consisting of all elements which are either in A or in B or in both is called

(A) Intersection of A and B

(B) union of A and B

(C) Complement of A

(D) Complement of B

11. Set of all ordered pair (x, y) which satisfies system of equations is called

(A) Solution set

(B) null set

(C) complex set (D) subset

12. Ratio of 2km to 600m should be

(A) 2: 7   (B) 10 : 7   (C) 2 : 3   (D) 10 : 3

13. If U = {1,2,3,4,5} and A = {2,4} then A' should be

(A) {2,4,5}   (B) {2,4}   (C) {1,2,3,4,5}   (D) {1,3,5}

14. For two or more algebraic expressions, expression of lowest degree which is divisible by each of them without remainder is known as

(A) L.C.M

(B) H.C.F

(C) rational expression

(D) irrational expression

15. An equation involving only a linear polynomial is called a

(A) linear equation

(B) quadratic equation

(C) Simultaneous equation

(D) unequal equation

SCIENCE

1. The acceleration due to gravity on a planet having mass twice of earth and radius thrice of earth will be, given acceleration due to gravity of earth is g.

(A) g/3   (B) 2g/9   (C) 4g/9   (D) 2g/3

2. Dry ice means

(A) Solid SO2   (B) solid water   (C) solid CO2   (D) solid CO

3. The fluorescent tubes and neon sign bulbs glow because of

(A) Presence of charged particles

(B) High density of gas

(C) High temperature

(D) high applied voltage

4. Which of the following will not sublime?

(A) Camphor

(B) Ammonium chloride

(C) Bromine

(D) Iodine

5. Of gravitation is inversely related to

(A) Distance between masses product of magnitude of masses

(B) Direction of masses square of distance between masses

(C) None

6. Velocity of geostationary satellite with respect to earth is

(A) 10 ms-1   (B) 15 ms-1   (C) zero   (D) 1 ms-1

7. Considering elements of nature, elements that make 99% of total mass present does not includes

(A) Hydrogen   (B) magnesium   (C) nitrogen   (D) oxygen

9. Each organelle has a specified

(A) Shape   (B) function   (C) size   (D) mass

10. Type of cellular organization in which many organism do not undergo cellular division is called

(A) Unicellular   (B) multicellular   (C) colonial   (D) groups

11. What is the number of water molecules contained in a drop of water weighing 0.12 g?

(A) 2.007×10^{21}

(B) 4.014×10^{21}

(C) 2.007×10^{22}

(D) 4.014×10^{22}

12. Choose the isobar from the following.

(A) $_{6}C^{12}$ and $_{6}C^{14}$

(B) $_{92}U^{235}$ and $_{92}C^{238}$

(C) $_{1}H^{1}$ and $_{1}C^{2}$

(D) $_{18}Ar^{40}$ and $_{20}Ca^{40}$

13. Organisms without nucleus and cell organelles belong to

(A) Fungi

(B) Protista

(C) Algae

(D) Bacteria

14. Which cells do not have perforated cell walls?

(A) Tracheid

(B) Companion cells

(C) Sieve tubes

(D) Vessels

15. Cell is a Latin word for 'a little room'. Who coined the term cell?

(A) Robert Book

(B) Robert Hooke

(C) Charles Hooke

(D) Leeuwenhoek