Subject:- MATHEMATICS,SCIENCE AND SOCIAL SCIENCE
Marks:- 60.   **Time period:- 1 ½ hrs.**
Choose the correct answer and each question carries 1 mark.

  MATHEMATICS

1. (-18) X 7 =
(a) -136   (b) 136   © 126   (d) -126.

2. The value of (-125) $\div$ (5)is :
(a) -5   (b) 5   (c) 25   (d) -25.

3. What must be divided by 6 to get -18?
(a) -3   (b) 3   (c) -108   (d) 108.

4. (-35) X 2+(-35) X 8=
(a) -350   (b) -70   (c) -280   (d) 350.

5. If x $\div$ 29 = 0, $then\ x =$
(a) 29   (b) -29   (c) 0   (d) none of these.

6. The value of $24+\{15\div(-3)\}\ is$
(a) 29   (b) 19   (c) 15   (d) 24.

7. Which of the following statements is true?
(a) $0\div 4 = 0$ (b) $-\frac{15}{0} = 0$ (c) $\frac{(-8)}{-1} = -8$ (d) $\frac{6}{-2} = 3$.

8. (-1)X(-1)X(-1)x(-1)x(-1)x(-1)x………500 times is=
(a) 1   (b) -1   (c) 500   (d) -500.

9. $The\ fraction\frac{84}{98}\ in\ its\ lowest\ terms\ is$:
$(a)\frac{42}{49}$ $(b)\frac{12}{14}$ $(c)\frac{6}{7}$ $(d)\frac{3}{7}$.

10. Which of the following is a proper fraction:-
(a) $\frac{13}{17}$ $(b)\frac{17}{13}$ $(c)\frac{12}{5}$ $(d)1\frac{3}{4}$.

11. The reciprocal of the fraction $2\frac{3}{5}\ is$:
(a) $2\frac{5}{3}$ $(b)\frac{13}{5}$ $(c)\frac{5}{13}$ $(d)\ 2\frac{2}{5}$.
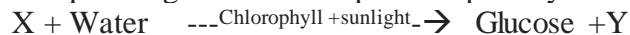
12. The fraction equivalent to $1\frac{2}{3}$ is :

(a) 10/3   (b) 3/5   (c) 10/6   (d) 6/10.

13. What is the value of $\frac{4}{9} \div \frac{2}{3}$?

(a) 3/2   (b) 2/3   (c) 1/3   (d) ¾.

14. What is the value of $\frac{7}{11} X \frac{3}{5}$?

$(a) \frac{21}{55}$ $(b) \frac{33}{35}$ $(c) \frac{77}{15}$ $(d) \frac{35}{33}.$

15. Sugar is sold at Rs. 40 per kg. What the cost of ¾ kg of sugar?

(a) Rs. 60   (b) Rs. 40   (c) Rs. 30   (d) Rs. 50.

16. Nihar can walk 8/3 km in 1 hour. How much distance he will travel in 3 hrs?

(a) 8/9 km   (b) 8 km   (c) 9/8 km   (d) 3km.

17. There are 45 students in a class and 3/5 of them are boys. What is the number of girls in the class?

(a) 20   (b) 15   (c) 28   (d)18.

18. Rahim can purchase $1\frac{1}{5}$ m of cloth in Rs. 72. What is the cost of 1 m of cloth?

(a) Rs.50   (b) Rs. 60   (c) Rs.40   (d) Rs. 30.

19. *The product of two number is* $3\frac{1}{3}$*. If one of the number is* $\frac{1}{3}$*, what is the another number*?

(a) 9   (b) 8   (c) 10   (d) 6.

20. What is the area of a rectangle whose length is $\frac{5}{7}m$ and breadth is $\frac{2}{3}m$?

$(a) \frac{21}{10}m^2$ $(b) \frac{10}{21}m^2$ $(c) \frac{15}{14}m^2$ $(d) \frac{6}{35}m^2.$

SCIENCE

Q21.The equation given below represents photosynthesis.

X + Water   ---Chlorophyll +sunlight-→ Glucose +Y

(a) X=Carbon dioxide Y=Oxygen
(b) X=Oxygen Y=Carbon
(c) X=Carbon dioxide Y=Hydrogen
(d) X=Oxygen Y=Carbon dioxide
(e)

Q22. Which of the following is true about parasites?
(i) They absorb food from their host.
    (ii) They compete with host plant for sunlight
    (iii) They eventually kill the host plant

(a) (i) and (ii)   (b) (i) and (iii)   (c) (ii) and (iii)   (d) (i),(ii)and (iii)

Q23. Complete the table-

Cuscuta	A
B	Insectivorous
C	Saprophyte

(a) A- Parasitic , B-Alga , C- Pitcher plant
(b) A- Autotrophic , B- Pitcher plant, C-Fungus
(c) A-Parasitic , B- Yeast , C-Mushroom
(d) A-Parasitic, B-Pitcher plant, C-Mushroom

Q24.Algal component of lichen is autotrophic. It provides food material to the fungal component but:
(a)In return, the fungus provides shelter, water and minerals.
(b) In return the lichen provides shelter, water and minerals to the algae.
(c) In return fungus does not provide anything to alga.
(d)In return fungus also prepares food.

Q25.In the absence of which of the following, leaves cannot capture sunlight?
(a) Guard cells   (b) Chlorophyll
(c) Vacuole   (d) Space between cells

Q26..Which of the following raw materials is available in the air for photosynthesis?
(a) Oxygen   (b) Carbon dioxide
(c) Nitr ogen   (d) Hydrogen

Q27.Pitcher plant traps insects because it
(a) is a heterotrophy   (b) grows in soils which lack in nitrogen
(c) does not have chlorophyll   (d) has a digestive system like human beings.

Q28.Organisms which prepare food for themselves using simple naturally available raw materials are referred to as
(a) heterotrophs   (b) autotrophs
(c) parasites   (d) saprophytes.
Q29.The fungal spores are generally present in
(a)Water   (b) Air
(c) Hot water   (d) Cold water

Q30. The ultimate source of energy for all living organisms is
 (a)Chemical energy   (b)Wind energy
 (c)Solar energy   (d) Water energy

Q31.Algae are
(a) Parasite   (b) Saprotroph
(c)Autotroph   (d) None of these

Q32..Which of the following is an edible fungus?
(a) Yeast   (b) Mushroom
(c) Bread mould   (d) Both (a) & (b)

Q33.Which of the following is not a component of carbohydrates?
(a) Carbon   (b) Nitrogen
(c) Hydrogen   (d) Oxygen

Q34.The outer boundary of every cell is called
(a) Nucleus   (b) Cytoplasm
(c) Cell membrane   (d) None of these
Q35.Two different organisms living together and both benefiting from each other are known as:
(a) Saprophytic   (b) Symbiotic
(c) Parasitic   (d) Heterotrophic

Q36.The food prepared by the plant is stored as _____
(a)glucose   (b)Proteins
(c)starch   (d)fructose

Q37. The chemical used in starch test is
(a)Safranin   (b) Iodine solution
(c)Methylene Blue   (d)Litmus solution

Q38. What is the role of the bacteria in leguminous plants?
(a)Converts oxides of nitrogen into a usable form.
(b)Converts Atmospheric nitrogen gas into a usable form
(c)Converts nitrates into nitrogen gas
(d)Converts proteins into ammonia

Q39..Where does most of the water for photosynthesis come from?
(a)From soil through the roots of the plants.
(b)From the air through the tiny pores of the leaves.
(c)As a result of respiration from the leaves.
(d)From water vapour in the air.

Q.40 . Human beings can be categorized as
(a) parasite   (b) heterotrophs   (c) Autotrophs   (d) Saprotrophs.

SOCIAL SCIENCE

41. Universal adult franchise provides___
a. Right to vote to citizens above 18 years   b. Right to study

c. Right to stand in election   d. All of the above

42. In the late 1950s a movement took place in USA for the equal rights of African American it was_____
a. Civil moment   b. Rights movement c. Civil right moment d. National movement

43. Universal adult franchise gives____
a. Political equality   b. Social equality c. Economic equality   d. National equality

44. In the United States of America____were discriminated
a. Indian American   b. African American c. Indian   d. All of the above.

45. When was the civil rights act was passed ?
     a. 1965   b.1963   c. 1964   d. 1967

46. What was the benefits of the mid-day meal programmes ?
     a. Attendance   b. Enrolment   c. Entertainment   d.Both a & b

47. When persons are treated unequally what is violated for them ?
     a. Caste   b. Religion   c. Dignity   d. Practice

48. What is the midday meal programme ?
   a. To provide children with raw food   b. To provide rations to the parents
   c. To provide children with cooked lunch   d. All of the above

49. What are the key features of democracy ?
     a. Equality   b. High wages c. Job security   d. All of the above

50. This is the first state in India to introduce the midday meal scheme
a. Kerala   b. Andhra Pradesh   c. Tamil Nadu   d. Odisa

51. On_____every year world environment Day is celebrated
a. 5th June   b. 5th July   c. 25th June   d. 25th July

52. Abiotic component of environment is
a. bird   b. land   c. human   d. river

53. Who interacts with environment and modify it according to their needs ?
a. Plants   b. Animals   c. Humans   d. Rivers

54. Which is not a natural ecosystem ?
a. Desert   b. Fishing pond   c. Forest   d. All of the above

55. A _____is necessary between the natural and human environment.
a. Perfect balance   b. Imperfect balance c. Perfect imbalance   d. All of the above

56. Which is not a component of human environment ?
a. Land   b. Religion   c. Community   d. rivers

57. _____is the solid crust or the hard top layer of the Earth.
a. Atmosphere b. Lithosphere c. Biosphere d. Biosphere

58. Atmosphere is____
    a. The liquid crust or the hard top layer of the Earth   b. The thin layer of air that surrounds
the Earth   c. The thick layer of air that surrounds   d. None of the above.

59. The domain of water is referred to as
    a. Lithosphere   b. Biosphere   c. Hydrosphere   d. Atmosphere.

60. Which of the following is biotic?
    a. Plants   b. Land   c. Water   d. Soil