

2nd ZONAL LEVEL MATHS, SCIENCE & SOCIAL SCIENCE COMPETITION, 2022

Organised by:

Mission Transformation of Government Schools

QUESTION BOOKLET

CLASS III - VIII

(Subjects: MATHEMATICS, SCIENCE/EVS & SOCIAL SCIENCE)

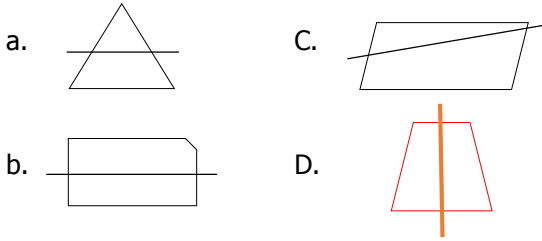
INSTRUCTIONS TO THE CANDIDATES

1. This booklet contains 50/75 questions and each question carries equal marks.
2. This Question Booklet contains two/three Sections :
Section A - Mathematics (25 Questions)
Section B – Science/EVS (25 Questions)
Section C – Social Science (25 Questions)
3. The duration of the exam is 90/120 minutes.
4. Attempt all the questions as there is no negative mark for wrong response.
5. Write your Name, School's Name, Class, Roll No, Contact Nos etc. in the box specified in the OMR ANSWER SHEET.
6. In the OMR Answer Sheet, there are four options marked as A, B, C & D against each question. You will select the response which you want to mark on the OMR Sheet and darken it completely as shown in the OMR Sheet.
7. Each question has one correct answer. Attempting more than one choice for a particular question will be treated as a wrong response even if one of the marked answer happens to be correct.
8. If a question is left blank, there will be no mark for the question.
9. Darken the circle using a black or blue ball point pen.
10. Before submitting the OMR Answer Sheet to the invigilator, the candidate should verify that all the entries are made correctly filled up and it is duly signed by the invigilator.
11. You are permitted to take away with you this Question Booklet.

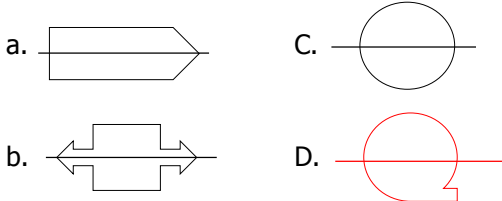
**DO NOT OPEN THIS QUESTION BOOKLET UNTIL YOU ARE
TOLD TO DO SO.**

SECTION A: MATHEMATICS (Class –III)

1. In which figure, does the line divide the shape into two similar mirror halves?



2. In which figure, does the line not divide the figure into two similar mirror halves?



3. Which word will you see if you look the following figure in a mirror?

BOOK

- a. ROOB c. **BOOK**
b. ROOK d. KOOK

4. Continue the pattern: 95, 100, 105, 110, ____

- a. **115** c. 120
b. 125 d. 130

5. Virat Kohli scores 87 runs. How many runs are needed to score a century?

- a. 12 Runs c. **13 runs**
b. 17 runs d. 23 runs

6. The number which lies between 70 and 80 and there is a 5 in the number is

- a. 55 c. 65
b. **85** d. **75**

7. The smallest and the greatest two digit number are respectively

- a. 10 and 98 c. 11 and 99
b. 10 and 89 d. **10 and 99**

8. $254 + 150 + 10 = ?$

- a. 441 c. 144
b. **414** d. 444

9. Which number is greater than 300 and less than 327?

- a. 345 c. **309**
b. 429 d. 398

10. The correct ascending order is

- a. 12, 45, 32, 107 c. **23, 45, 60, 87**
b. 87, 20, 45, 76 d. 110, 58, 99, 30

11. Choose the correct one.

- a. **$339 > 305$** c. $23 + 10 = 43$
b. $98 - 38 = 80$ d. $430 < 250$

12. 9 added to 29 gives ____

- a. 20 c. 29
b. 39 d. **38**

13. $274 - [] = 171$. (There is no correct option)

- a. 117 c. 170
b. 172 d. **175**

14. One meter (m) is equal to ____ centimeters (cm).

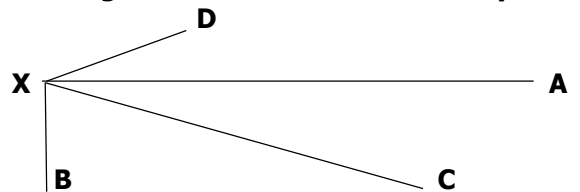
- a. **100cm** c. 1000cm
b. 200cm d. 500cm

15. Match the columns:

	Column 1	Column 2
(i)	Height of your mother.	A. 100 km
(ii)	Length of an ant	B. 1.5 m
(iii)	Distance between Imphal and Moreh	C. 1 cm.

- a. (i) – A, (ii) – B, (iii) – C
b. **(i) – B, (ii) – C, (iii) – A**
c. (i) – C, (ii) – B, (iii) – A
d. (i) – B, (ii) – A, (iii) – C

16. Ramesh is staying at a place X and he has four options to go for a travel vacation nearby.

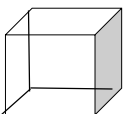


Which place is farthest of X?

- a. **A** c. B
b. C d. D

17. How many edges are present in a cube?

- a. 4 c. 6
b. **8** d. **12**

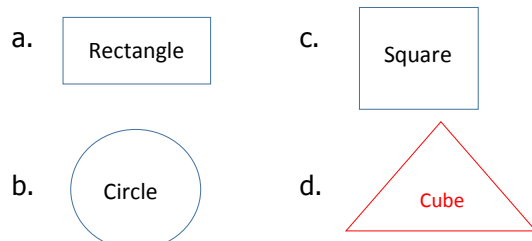


18. How many squares are there in the box?



- a. 3 b. **4** c. 5 d. 6

19. Which one of the following name is not true?



20. Which one is wrongly matched?

- a. Triangle – 2 sides
- b. Rectangle – 4 sides
- c. Square – 4 sides
- d. Circle – five sides

21. Which gives the largest value?

- a. $230 + 126$
- b. $234 + 420$
- c. $200 + 176$
- d. $304 + 178$

22. Which one is not correct?

- a. $130 + 122 = 252$
- b. $23 + 53 = 69$
- c. $99 - 34 = 65$
- d. $184 - 70 = 114$

23. There are 45 students in a class. On Saturday, 13 students are absent. How many students are present on Saturday?

- a. 32
- b. 35
- c. 34
- d. 36

24. The missing number in the series, 50, 100, 150, 200, 250 _____ 350 is

- a. 150
- b. 300
- c. 200
- d. 350

25. You have three ropes of lengths 23cm, 45cm and 67cm. What is the total length if they are connected together?

- a. 125cm
- b. 135cm
- c. 139cm
- d. 143cm

SECTION B: EVS (Class –III)

26. Which one is wrongly matched?

- a. Grandfather – father of my father.
- b. Uncle – Brother of my father
- c. Grandmother – mother of my father
- d. Brother – Wife of my uncle.

27. A family which has one or two children is called

- a. Big family
- b. Medium family
- c. Small family
- d. All above

28. Rahul lives with his father, mother, grandfather, grandmother, uncle, aunty, sons of uncle. His family is a

- a. Big family
- b. Medium family
- c. Small family
- d. Joint family

29. Shoot system of plant consists of

- a. Stem, Branches, Leaves, Roots, Buds
- b. Stem, Flower, Branches, Leaves, Fruits
- c. Roots, Stems, Branches, Leaves, Flower
- d. Stem, Branches, Leaves, Roots, Fruits

30. Which one is not correct?

- a. Banyan – Tree
- b. Peruk – Creeper
- c. Tulsi – Herb
- d. Amla – Climber

31. Which gas is needed for respiration by all living beings?

- a. Hydrogen
- b. Nitrogen
- c. Oxygen
- d. Carbon dioxide

32. The function of root is/are

- a. It holds the plant firmly in the soil.
- b. It suck minerals from the soil.
- c. It sucks water from the soil.
- d. All the above are true.

33. Why do leaves of plants shed during autumn season?

- a. To conserve water
- b. To provide fuels
- c. To conserve food
- d. All are true.

34. Which part of the plant is known as "FOOD FACTORY"?

- a. Roots
- b. Leaves
- c. Stem
- d. Fruits

35. What will happen if we cut all the roots of a plant?

- a. The plant will grow more.
- b. The plant will die.
- c. The plant will stop walking
- d. The seeds will fall down.

36. What will happen if all the plant die?

- a. We cannot live longer due to shortage of oxygen
- b. We will have more space
- c. Both are true
- d. None above

37. Which animals can live both in land and water?

- a. Giraffe
- b. Frog
- c. Leopard
- d. Birds

38. Which animal is not a crawling animals?

- a. Spider
- b. Cockroach
- c. Earthworm
- d. Horse

39. Fish swims in the water with the help of _____

- a. Fins
- b. Hands
- c. Legs
- d. Gills

40. The features of birds that help them to fly is/are

- a. Hollow and light bones
- b. Powerful wings
- c. Boat shaped body
- d. All the above.

41. Which bird has strong, sharp beak like hook to tear the flesh?

- a. Eagle
- b. Sparrow
- c. Parrot
- d. Ducks

42. Which one is not correctly paired?

- a. Body feather – Covers the body
- b. Flight Feather – Wings and tails.
- c. Down feather – Keep the body warm
- d. Beak feather – protect the beak

43. Who works in the field and produces our foods?

- a. Lawyers
- b. Businessman
- c. Teachers
- d. Cultivators

44. Which one is wrong?

- a. Contractor – builds houses
- b. Doctors – Diagnose patients
- c. Driver – Produces food
- d. Teachers – Teach us in schools

45. Indoor games play

- a. Inside a room
- b. Under water
- c. In a large fields
- d. Under a table

46. How many small square are there in chess board?

- a. 54
- b. 64
- c. 85
- d. 100

47. Ludo is a Latin word which means _____

- a. I win
- b. We play
- c. I play
- d. We win

48. Which one is not correctly matched?

	Game	No. of Player
a.	Ludo	4
b.	Chess	2
c.	Polo	7
d.	Chinese Checker	11

49. Which one is not true?

- a. Cow – Milk
- b. Fish – Honey
- c. Hen – Eggs
- d. Pig – Meat

50. Which type of food protects us from disease and makes us healthy?

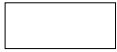
- a. Vegetables and Fruits
 - b. Rice and Potato
 - c. Eggs and Sugar
 - d. Butter and Curd
-

CLASS IV

Class IV

SECTION A: MATHEMATICS

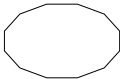
1. Which one is the shape of a triangle?

- a.  c. 
- b.  D. 

2. How many faces does a brick has?

- a. 4 c. 5
- b. **6** d. 8

3. Which of the following is the face of a brick?

- a.  c. 
- b.  d. 

4. How many sides does a rectangle has?

- a. Two c. Three
- b. **Four** d. Five

5. Which one is not correctly matched?

- a. 1 km = 1000 Meters
- b. 250 Meters = 25000 cm
- c. **7500 cm = 85 Meters**
- d. 2 km = 2000 meters

6. Which of these units would you use to tell someone the length of your playground?

- a. Kilometer c. **Meter**
- b. Centimeter d. Millimeter

7. Tomba is older than Chaoba, Chaoba is older than Thoibi, Henthoiba is younger than Thoibi. From youngest to oldest, the children are

- a. **Henthoiba, Thoibi, Chaoba & Tomba**
- b. Thoibi, Henthoiba, Chaoba & Tomba
- c. Thoibi, Tomba, Chaoba & Henthoiba
- d. Henthoiba, Tomba, Chaoba & Thoibi

8. The length of a bridge is 850.87meters. We can say that it is _____

- a. **More than half a kilometer.**
- b. Less than half a kilometer
- c. Equal to half a kilometer
- d. None of the above.

9. In a race, Romen, Tomba, Gandhi and Akash reach the finishing line in 12 Minutes, 14 Minutes, 16 Minutes and 17 minutes respectively. Who won the race?

- a. **Romen** c. Tomba
- b. Akash d. Gandhi

10. In an 8500 meters race, a participant runs _____ km.

- a. 6.7 km c. 7.5 km
- b. **8.5 km** d. 85 km

11. Which pair gives the greatest value when they are added?

- a. 145 and 328 c. 76 and 409
- b. **340 and 189** d. **287 and 290**

12. The classwise enrolment of a school is: Class I – 64, Class II-49, Class III-53, Class IV-49, Class V-61. What is the total number of students of the school?

- a. **276** c. 253
- b. 258 d. 265

13. The number which is exactly between 100 and 150 is

- a. 110 c. 115
- b. **120** d. **125**

14. The sum of two numbers is 216. If one number is 96, the other number is

- a. 102 c. 130
- b. **125** d. **120**

15. A car starts driving from 10.25 am and arrives at 1.15 pm at a place. How many hours does the car take to reach the place?

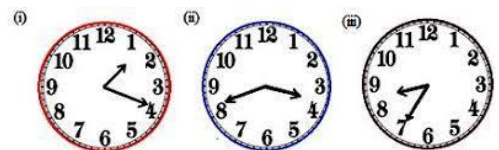
- a. 2 hr 30 Minutes c. 2 hr 45 minutes
- b. **2 hr 50 minutes** d. 2 hr 55 minutes

16. What time does the clock show?

- a. 11.10 c. 10.11
- b. **10.50** d. 10.55



17. The time shown by the three watches are



- a. 1.20, 4.40, 8.35 c. **1.20, 3.41, 8.35**
- b. 1.40, 4.20, 8.25 d. 1.40, 3.40, 8.45

18. How old are you if you born in 2009?

- a. 10 years c. 11 years
- b. **12 years** d. **13 years**

19. How do you write 3.30 pm in 24-hour clock format?

- a. 13.30 Hours c. 14.30 hours
- b. **15.30 hour** d. 16.30 hour

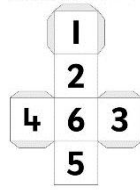
20. Your school starts at 8.00 am and closes at 1.15 pm. The duration of your school hour is

- a. 4 hour 15 minutes c. 4 hour 15 minutes
- b. **5 hour 15 minutes** d. 6 hour 15 minutes

21. The date of birth of four students are given as: Rabithoi – 2010, Albina – 2009, Martina – 2012 and Valentina – 2008. Who is the oldest?

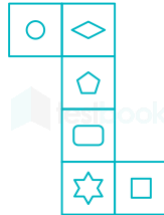
- a. Rabithoi
- b. Martina
- c. Albina
- d. **Valentina**

22. When the figure is folded to form a cube, then which number will be on the opposite side of 1?



- a. 2
- b. 4
- c. 5
- d. **6**

23. When the figure is folded to form a cube, then which figure will be on the opposite side of circle?



- c. **Square**
- d. Rhombus
- c. Star
- d. Rectangle

24. The rate of 1 kg of potato is Rs. 25.50. What is the price of 12 kg of potato?

- a. Rs. 603
- b. **Rs. 306**
- c. Rs. 405
- d. Rs. 350

25. Roshni bought 10 kg of apple for Rs. 1350. How much money does she earn if she sell the apple at the rate of Rs. 150 per kg?

- a. Rs. 1450
- b. Rs. 1650
- c. Rs. **1500**
- d. Rs. 1550

SECTION B: EVS (Class-IV)

26. Choose the wrong pair.

- a. Aunt – Sister of mother
- b. Uncle – Brother of father
- c. Grandmother – Mother of my mother
- d. **Grandfather – My father**

27. For how many months a child grows inside the mother's body before being born?

- a. 10 Months
- b. 12 Months
- c. **9 Months**
- d. 8 months

28. Which one is wrongly paired/matched?

- a. Kitten – Cat
- b. Calf – Cow
- c. Chick – Duck
- d. **Puppy – Man**

29. A person who sells meat is known as

- a. **Butcher**
- b. Druggist
- c. Florist
- d. Green grocer

30. Who invented Aeroplane?

- a. Lilian Todd
- b. Alberto Santos
- c. Victo Tatin
- d. **Wright Brothers**

31. Who diagnoses the body of a patient and cures him from disease?

- a. Engineers
- b. Druggist
- c. **Doctors**
- d. Pilot

32. Which one is wrongly paired?

- a. Cow – Herd
- b. Penguins – Colony
- c. Hyenas – Crackle
- d. **Fishes – Pride**

33. Why do animals move in groups?

- a. To search food
- b. To Search water
- c. To stay safe from enemies
- d. **All the above.**

34. Which animal has external ears?

- a. Birds
- b. **Dogs**
- c. Frogs
- d. Snakes

35. Which animal produces a sound to know the location of an object?

- a. Cat
- b. Men
- c. Lizards
- d. **Flying Bats**

36. Which one is not a mammal?

- a. Cow
- b. Men
- c. **Birds**
- d. Whale

37. Which one is a wrong statement?

- a. Some animals have their scales to prevent loss of water.
- b. Birds, frogs, lizards etc. do not have external ears.
- c. **Birds from warmer countries migrate to colder countries during winter season.**
- d. Termites live in their houses called termitary.

38. Read the following statements:

- (i) Flowers produce nectar to attract bees.
- (ii) Bees produce pheromones to communicate with each other.
- (iii) Bees do not help in pollination.
- (iv) The queen bees lay eggs.

Choose the correct statements:

- a. (i), (ii) and (iii) are true.
- b. (i), (ii), (iii) and (iv) are true.
- c. **(i), (ii) and (iv) are true.**
- d. (ii), (iii) and (iv) are true.

39. Choose the group of plants which have fibrous root system.

- a. Rice, Mango, Turnip, Maize.
- b. Maize, Carrot, Beans, Wheat
- c. **Grasses, Rice, Wheat, Maize**
- d. Apple, Banana, Tulsi, Mustard.

40. In which plant, roots are found to grow above the ground?

- a. Mango
- b. **Banyan**
- c. Banana
- d. Mustard

41. A complete flower has

- a. Calyx and corolla
- b. Calyx, corolla and Carpels
- c. Calyx, corolla and Stamens
- d. **Calyx, corolla, Stamens and Carpels**

42. During pollination, pollen grains are transferred from

- a. Calyx to Stamens
- b. Carpels to Corolla
- c. **Stamens to Stigma**
- d. Carpel to stigma

43. The branch of science which deals with plantation, processing and production of ornamental flowering plants is known as

- a. Pisciculture
- b. **Floriculture**
- c. Horticulture
- d. Dendrology

44. World Environment Day is celebrated every year on

- a. 2nd February
- b. **5th June**
- c. 5th July
- d. 15th August

45. The large scale reckless cutting down of trees is known as

- a. **Deforestation**
- b. Tree plantation
- c. Afforestation
- d. None of the above

46. "Make me dry, grind and powder me. I make your curry yellow. I am mixed in oil and applied to wounds, quickly I heal all wounds." Who am I ___?

- a. Chilly
- b. **Onion**
- c. Garlic
- d. **Turmeric**

47. Vanamahotsava is a festival of

- a. Birds
- b. **Tree plantation**
- c. Animals
- d. Harvesting

48. My leaves are very broad. People use them as plates. I produce fruits and flowers. Who I am?

- a. Mango
- b. Cabbage
- c. **Banana**
- d. Pumpkin

49. Which one is wrongly paired?

- a. Bee - Honey
- b. Milk - Cow
- c. Eggs - Hen
- d. **Fish - Wool**

50. Which one of the following is not true about root of plants?

- a. It fixes the plants firmly in the soil.
 - b. Some types of roots store food for future use.
 - c. **Roots are green in colour and they perform photosynthesis.**
 - d. It absorbs water and minerals from the soil.
-

CLASS V

SECTION A: MATHEMATICS

1. When fish is dried up it becomes $\frac{1}{3}$ of its weight. What will be the weight of 75 kg of fish when they are dried up?

a. 50 kg c. 25 kg
b. 30 kg d. 20 kg

2. If 1 kg of Sareng costs Rs. 1200, the cost of half kg is

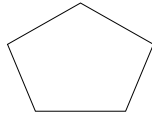
a. Rs. 700 c. Rs. 500
b. Rs. 800 d. Rs. 600

3. If the speed of a boat is 25km/hr. Then, the boat goes _____ km in 5 hours.

a. 125 c. 120
b. 115 d. 100

4. How many angles are there in the figure?

a. 4 c. 5
b. 6 d. 7

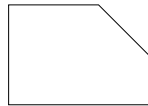


5. Which of the following represent a right angle?

a. c.
b. d.

6. How many right angles are there in the figure?

a. 5 c. 4
b. 3 d. 2



7. At what time, the minute hand and hour hand of a clock make a right angle?

a. 7 o'clock c. 12 o'clock
b. 9 o'clock d. 11 o'clock

8. $\frac{1}{3}$ of a right angle is _____

a. 25° c. 30°
b. 45° d. 60°

9. Which of these rectangle has the largest perimeter?

a. Length – 5 cm, Breadth – 3 cm.
b. Length – 3 cm, Breadth – 5 cm
c. Length – 6 cm, Breadth – 3 cm
d. Length – 5 cm, Breadth – 4 cm

10. The two sides of a triangle are 5 cm and 4 cm. What is the length of the third side if the perimeter of the triangle is 12 cm?

a. 6 cm c. 3 cm
b. 2 cm d. 7 cm

11. 20 minutes is _____ part of an hour.

a. $\frac{1}{5}$ c. $\frac{1}{4}$
b. $\frac{1}{3}$ d. $\frac{1}{2}$

12. There are 32 birds on a tree. How many birds are there on the tree if $\frac{1}{8}$ of them fly away?

a. 28 c. 26
b. 24 d. 22

13. Amarjit sleeps about 8 hours a day. What part of a day is it?

a. $\frac{1}{2}$ c. $\frac{1}{3}$
b. $\frac{1}{4}$ d. $\frac{1}{5}$

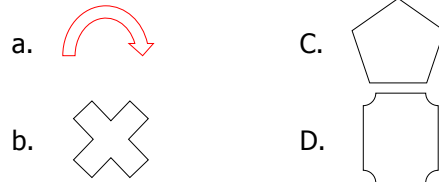
14. How many $\frac{1}{8}$ will make $\frac{1}{2}$?

a. 2 c. 5
b. 4 d. 6

15. A man spends $\frac{2}{5}$ of his salary on education of his children. How much money does he spend one education if his salary is Rs. 15000?

a. Rs. 6000 c. Rs. 8000
b. Rs. 5000 d. Rs. 9000

16. Which of the following figures cannot be divided into two mirror halves by a line?



17. Which of the following word reads the same on half a turn?

a. ZOOM c. APPLE
b. NOON d. BOOK

18. Which one is not a multiple of 7?

a. 35 c. 49
b. 55 d. 56

19. What is the smallest common multiple of 4, 5 and 6?

a. 30 c. 50
b. 60 d. 90

20. Which one is not a common factor of 18 and 24?

a. 8 c. 6
b. 3 d. 2

21. Ramesh wants to lays tiles on the floor of a room of size 9 x 12 feet. Which size of tile should he buy for his room, so that he can lay it without cutting?

a. 2 x 2 feet c. 3 x 3 feet
b. 4 x 4 feet d. 2.5 x 2.5 feet

22. 1 m is equals to _____ km.

- a. 0.1
- b. 0.001
- c. 0.01
- d. 0.0001

23. It is more than 7 tens and less than 8 tens. The ten digits is one more than the one digit. The sum of the two digits is 13. What is the secrete number?

- a. 67
- b. 76
- c. 87
- d. 56

24. What should come next?

ABC	BCD	CDE	DEF	?
-----	-----	-----	-----	---

- a. FED
- b. FDE
- c. EFD
- d. EFG

25. An egg cost Rs. 7.50. How much will one and half dozen eggs cost?

- a. Rs. 153
- b. Rs. 135
- c. Rs. 165
- d. Rs. 126

SECTION B: EVS (Class – V)

26. Nomads keep moving from one place to another

- a. In search of food
- b. In search of fertile and
- c. In search of grazing land for their animals
- d. All the above.

27. Which of the following islands is likely to be submerged under water due to global warming?

- a. Maldives
- b. Tuvalu
- c. Both Maldives & Tuvalu
- d. None of the above

28. The partition of India and Pakistan was occurred in ____

- a. 1949
- b. 1950
- c. 1947
- d. 1946

29. Choose the correct codes:

Game	Place of Origin
A. Table Tennis	(i) Japan
B. Judo	(ii) China
C. Tae-Kwon-Do	(iii) Korea

- a. A-(iii), B-(ii), C-(i)
- b. A-(i), B-(ii), C-(iii)
- c. A-(ii), B-(i), C-(iii)
- d. A-(iii), B-(i), C-(ii)

30. Which one is wrongly paired?

- a. Sagol Kangjei – 7 Players
- b. Yubi Lakpi – 7 Players
- c. Kang – 11 Players
- d. Mukna – 2 Players

31. Which one is not an indigenous games of Manipur?

- a. Sagol Kangjei
- b. Kang
- c. Mukna
- d. Cricket

32. Dignity of labour means that

- a. All types of jobs are respected equally.
- b. No occupation is considered superior.
- c. None of the jobs should be discriminated on any basis.
- d. All the above.

33. In which country, people do recognize the dignity of labour and there is no servant class?

- a. India
- b. The USA
- c. Africa
- d. Pakistan

34. Which one is not correctly matched?

- a. Skin - Tasting
- b. Eyes - Seeing
- c. Nose - Smelling
- d. Ears - Hearing

35. How many sense organs are there in our body?

- a. Three
- b. Five
- c. Four
- d. Six

36. Which bird cannot move its eyes?

- a. Parrot
- b. Duck
- c. Owls
- d. Pigeon

37. Which type of eyes is found in insects?

- a. Simple Eyes
- b. Compound eyes
- c. Both (a) & (b)
- d. None of the above

38. Vegetative propagation is found in which plant?

- a. Onion
- b. Ginger
- c. Rose
- d. All the above

39. Which of the following plants do not have underground stems?

- a. Onion
- b. Ginger
- c. Rose
- d. Potato

40. The plants having weak stems trails on the ground are called ____

- a. Runners
- b. Herbs
- c. Climbers
- d. Shrubs

41. Choose the incorrect statement?

- a. Grams, Peas, Bens etc. have two cotyledons.
- b. Rice, wheat, maize have one cotyledon.
- c. The process of spreading of seeds to different places is called Seed Distribution.
- d. Germination is the growth of a baby plant from a seed.

42. What percent of the people in our country are engaged in farming?

- a. 33%
- b. 60%
- c. 50%
- d. 70%

43. Tomba is a poor farmer. He does not have his own land. He cultivates the land owned by a rich man. Tomba is a/an ____

- a. Big farmer
- b. Subsistence farmer
- c. Marginal farmer
- d. Tenant Farmer

44. Who are marginal farmers?

- a. They are rich and they have large plots of lands.
- b. They are very poor and they do not have their own land.
- c. They own small plots of land and they produce only that much for their consumption.
- d. They cultivate on the land owned by other rich persons.

45. Saliva helps in the digestion of

- a. Starch
- b. Vitamins
- c. Fats
- d. All the above

46. The food that we eat do not pass through

- a. Food pipe
- b. Liver
- c. Stomach
- d. Small intestine

47. What is the name of the cyclone that occurred in 2008 and killed more than 1, 40,000 people in Myanmar?

- a. Phylone
- b. Phani
- c. Nargis
- d. Amphan

48. Which one is not a man-made disaster?

- a. Earthquake
- b. Pollution
- c. War
- d. Nuclear Explosion

49. What is the full form of UNICEF?

- a. United Nations Children's Emergency Forum
- b. United Nations Children's Emergency Fund
- c. United Nations Children's Emergency Farm
- d. United Nations Common Emergency Fund

50. Which is not essential for seed germination in most cases?

- a. Air
 - b. Suitable Temperature
 - c. Water
 - d. Light
-

Class VI

SECTION A: MATHEMATICS

1. One crore is equal to

- c. 10 Lakhs c. 100 Thousands
d. 100 Lakhs d. 1000 Thousands

2. The smallest 5-digits number formed by using any five different digit taking only once is

- a. 12345 c. 01234
b. 10234 d. 12340

3. A machine, on an average, manufactures 2,825 screws a day. How many screws did it produce in the month of January 2006?

- a. 87575 c. 78575
b. 77885 d. 87678

4. If we add 1 more to the greatest 4-digit number, we get

- a. Smallest 4-digit number
b. Greatest 4-digit number
c. Smallest 5-digit number
d. Greatest 5-digit number

5. 1 milli shows

- a. 100 times greater c. 1000 times greater
b. 100 times smaller d. 1000 times smaller

6. The school canteen charges ₹20 for lunch and ₹4 for milk for each day. How much money do you spend in 5 days on these things?

- a. 120 c. 130
b. 80 d. 100

7. The difference between the smallest whole number and the smallest natural number is

- a. 0 c. 1
b. 2 d. None of the above

8. An angle is made up of two _____ starting from a common initial point.

- a. Vertex c. Rays
b. Lines d. Points

9. If two lines have one common point, they are called _____

- a. Intersecting lines c. Collinear lines
b. Meeting lines d. Parallel lines

10. A triangle has

- a. Three angles and three sides
b. Three angles and three vertex
c. Three sides and three vertex
d. All the above.

11. The line segment that connects the center to a point on the circle is called

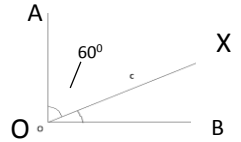
- a. Diameter c. Chord
b. Radius d. Circumference

12. A quadrilateral whose all the sides are equal and each angle is 90° is called a:

- a. Rhombus c. Square
b. Rectangle d. Trapezium

13. What is the measure of the angle $\angle XO B$ in the figure if $\angle AOB = 90^\circ$.

- a. 60° c. 50°
b. 40° d. 30°



14. A triangle having sides 4.5 cm, 5.5 cm and 6.5 cm is called a/an

- a. Scalene triangle c. Equilateral triangle
b. Isosceles triangle d. None of these.

15. The fraction equivalent to 0.125 is

- a. $\frac{1}{6}$ c. $\frac{1}{10}$
b. $\frac{1}{8}$ d. $\frac{1}{12}$

16. Which one of the following is meaningless?

- a. LXXXVIII c. CMDDDXI
b. DCXLV d. CCXXXII

17. Which one is a wrong statement?

- a. An obtuse angle is greater than a right angle but less than a straight angle.
b. Reflex angle is greater than a straight angle.
c. The sum of two acute angles is always smaller than a complete angle.
d. An acute angle is smaller than a reflex angle but greater than a right angle.

18. Simplify $\frac{3}{5} - \frac{7}{20}$

- a. $\frac{1}{2}$ c. $\frac{1}{3}$
b. $\frac{1}{4}$ d. $\frac{2}{3}$

19. Which one is not true?

- a. $\frac{2}{6} < \frac{5}{10}$ c. $\frac{1}{3} = \frac{2}{6}$
b. $\frac{5}{6} < \frac{7}{8}$ d. $\frac{4}{7} = \frac{5}{8}$

20. Which one is not an equivalent fraction of $\frac{2}{3}$?

- a. $\frac{4}{6}$ c. $\frac{16}{24}$
b. $\frac{50}{75}$ d. $\frac{30}{50}$

21. The value of $\frac{22}{10}$ is:

- a. 0.22 c. 2.2
- b. 2.02 d. 2.002

22. Rahul bought 4 kg 90g of apples, 2 kg 60 g of grapes and 5 kg 300 g of mangoes. Find the total weight of all the fruits he bought.

- a. 11.180 kg c. 11.400 kg
- b. 11.500 kg d. 11.450 kg

23. Urmila's school is at a distance of 5 km 350 m from her house. She travels 1 km 70 m on foot and the rest by bus. How much distance does she travel by bus?

- a. 4 km c. 4 km 280 m
- b. 4 km 420 m d. 6 km 420 m

24. The value of $9.756 - 6.28$ is

- a. 3.476 c. 9.028
- b. 16.036 d. 16.028

25. Tina had 20 m 5 cm long cloth. She cuts 4 m 50 cm length of cloth from this for making a curtain. How much cloth is left with her?

- a. 24 m 55 cm c. 15 m 55 cm
- b. 16 m 55 cm d. 17 m 45 cm

SECTION B: SCIENCE (Class VI)

26. When 2-3 drops of dilute iodine solution is added on a sample of food, it becomes blue black colour. The sample of the food contains

- a. Carbohydrate c. Fat
- b. Protein d. Starch

27. Which one is not correctly matched?

- a. Vitamins help in protection of our body against diseases.
- b. Proteins are needed for growth and repairs of our body.
- c. Carbohydrate provides energy to our body.
- d. Fats keep our bones healthy.

28. A person does not take Vitamin D for a long time in his diet. The symptoms that he may suffer is/are

- a. Poor vision, Loss of vision in darkness.
- b. Weak muscles and very little energy to work.
- c. Bones become soft and bent.
- d. Bleeding gums, wounds takes longer time to heal.

29. Which one is not correctly matched?

- a. Vitamin A – Loss of Vision in darkness
- b. Vitamin C – Bleeding gums
- c. Vitamin B1 – Weak muscle
- d. Iron – Swollen of thyroid gland.

30. Which vitamin is easily destroyed by heat during cooking?

- a. Vitamin A c. Vitamin B12
- b. Vitamin C d. Vitamin D

31. Which one is not a natural fibre?

- a. Nylon c. Jute
- b. Cotton d. Wool

32. The process of making yarn from fibers is called

- a. Ginning c. Weaving
- b. Knitting d. Spinning

33. Filtration is a method to separate the components of a

- a. Mixture of two liquids
- b. Mixture of a liquid and an insoluble substance.
- c. Mixture of two solids
- d. All above

34. In the process of evaporation

- a. Water converts into ice.
- b. Ice converts into water
- c. Water converts into vapour.
- d. Steam freezes into water droplets.

35. A mixture of common salt and water can be separated by

- a. Filtration c. Evaporation
- b. Sedimentation d. Sieving

36. Which method is commonly used by farmers to separate lighter husks particles from heavier seeds of grains?

- a. Winnowing c. Sieving
- b. Threshing d. Filtration

37. What happens when a solution become saturated?

- a. It can dissolve more solute in it.
- b. It cannot dissolve more solute in it.
- c. It becomes very expensive.
- d. It becomes useless.

38. Which of the following changes can be reversed?

- a. Raw egg to boiled egg
- b. Wet clothes to dry clothes
- c. Bud to flower
- d. Cow dung to biogas

39. Which of the following is a chemical change?

- a. Evaporation of water
- b. Burning of woods
- c. Moving of a wheel
- d. Breaking of a brick

40. Choose the wrongly matched pair.

- a. Elongation of a rubber – Reversible change
- b. Breaking of a piece of stone – Physical change
- c. Rusting of iron – Chemical Change
- d. **Bursting of a bomb – Slow change**

41. 25 kilometer is equal to _____ meters.

- a. 2500
- b. **25000**
- c. 250
- d. 250000

42. Which one is correct?

- a. 256mm = 25m
- b. **11.7 km = 11700 m**
- c. 380m = 0.6km
- d. 1 m = 10000 mm

43. The motion that involves in the falling of an apple from a tree is

- a. Circular motion
- b. Periodic motion
- c. Oscillatory motion
- d. **Rectilinear motion**

44. What is the SI unit of length?

- a. Centimeter
- b. **Meter**
- c. Foot
- d. Kilometer

45. When an opaque object comes in the path of light

- a. It forms an image
- b. **It forms a shadow**
- c. Light passes through it
- d. None above

46. Bouncing back of light from a shining surface is called

- a. Refraction
- b. Dispersion
- c. **Reflection**
- d. Shadow

47. The main reason for causing eclipse is

- a. Light travels in a curve path
- b. **Light travels in straight line**
- c. Moon is a transparent object
- d. The earth is smaller than moon.

48. The characteristics of the image formed by a pin hole camera is/are

- a. Real
- b. **Smaller in size**
- c. Inverted
- d. **All the above**

49. Objects that do not give out or emit light of their own are called

- a. Luminous
- b. Opaque
- c. **Non-luminous**
- d. Transparent

50. Substances through which light can pass partially and things cannot be seen clearly through them are

- a. Transparent
- b. **Translucent**
- c. Opaque
- d. None of these

SECTION C: SOCIAL SCIENCE (Class VI)

51. The correct sequence of planets based on their distance from the Sun is

- a. Mercury, Mars, Earth, Venus
- b. Venus, Earth, Mars, Mercury
- c. **Mercury, Venus, Earth, Mars**
- d. Venus, Mars, Mercury, Earth,

52. The Morning Star is a/an

- a. Star
- b. Satellite
- c. **Planet**
- d. Asteroid

53. Which one is not a correct statement about a planet?

- a. It revolves around a star.
- b. **It has its own light and heat.**
- c. It does not have its own light and heat.
- d. They are lit by the light of a star.

54. The asteroids are found between the orbits of

- a. Venus & Mercury
- b. **Mars & Jupiter**
- c. Earth & Mars
- d. Jupiter & Saturn

55. Some important Latitudes and their values are given as below.

- | | |
|---------------------------|------------|
| (i) Equator | A. 23°30'S |
| (ii) Tropic of Cancer | B. 0° |
| (iii) Tropic of Capricorn | C. 66°30'N |
| (iv) Arctic Circle | D. 23°30'N |

Choose the correct code:

- a. (i)-A, (ii)-B, (iii)-C, (iv)-D
- b. **(i)-B, (ii)-D, (iii)-A, (iv)-C**
- c. (i)-B, (ii)-A, (iii)-D, (iv)-C
- d. (i)-D, (ii)-C, (iii)-B, (iv)-A

56. The area between the Tropic of Cancer and the Arctic Circle is known as

- a. Torrid Zone
- b. Frigid Zone
- c. **North Temperate Zone**
- d. South Temperate Zone

57. Imphal is located at the meeting point of _____ latitude and _____ longitude.

- a. **25°N & 94°E**
- b. 94°N & 24°E
- c. 25°S & 94°W
- d. 23°N & 66°E

58. What is the angle of inclination of the Earth's axis with its orbital plane?

- a. **66.5°**
- b. 13.5°
- c. 23.5°
- d. 33.5°

59. The Pole Star shines just above the

- a. South Pole
- b. **North Pole**
- c. Equator
- d. Tropic of Cancer

60. In size, our earth is the _____ largest planet in the solar system.

- a. Third
- b. Fifth
- c. Fourth
- d. Sixth

61. Which one is not included in our solar system?

- a. The Sun
- b. Proxima Century
- c. Asteroids
- d. Comets

62. Which planet is known as Sajik and Thaba in Manipuri?

- a. Venus
- b. Mars
- c. Mercury
- d. Jupiter

63. The duration of Paleolithic Period is

- a. 2500000 BC – 150000 BC
- b. 1500000 BC – 20000 BC
- c. 2500000 BC – 10000 BC
- d. 3000 BC -1800 BC

64. Human being appeared on earth around _____ years ago.

- b. 1 Million
- c. 2 Million
- c. 3 Million
- d. 4 Million

65. Tharon cave is situated in _____ district.

- a. Tamenglong
- b. Senapati
- b. Ukhrul
- d. Chandel

66. The important site(s) of Old Stone Age discovered in Manipur till date is/are

- a. Tharon Cave
- b. Machi Village
- c. Kangkhui Cave
- d. All above

67. Which of the following is incorrect about the people of Old Stone Age?

- a. Discovered fire making
- b. Discovered wheel
- c. Moved from place to place
- d. Painted on caves

68. How many kings were ruled in Manipur as per the record of the Chietharol Kumbaba?

- a. 56
- b. 76
- c. 66
- d. 86

69. Which book is an another royal diary of the kings of Manipur?

- a. Khamba Thoibi
- b. Ningthourol Kumbaba
- c. Panthoibi Khongul
- d. Numit Kappa

70. The record of Cheitharol Kumbaba started from the reign of _____

- a. 33 BC
- b. 54 AD
- c. 33 AD
- d. 54 BC

71. Who is credited with bringing Christianity to India?

- a. Thomas Roe
- b. St. Thomas
- c. Columbus
- d. Vasco da Gama

72. Who coined the phrase "Unity in Diversity"?

- a. MK Gandhi
- b. J Nehru
- c. Dr. Rajendra Prasad
- d. Dr. Ambedkar

73. Dalit is a term that people belonging to

- a. Upper class
- b. Lower Caste
- c. Middle Class
- d. Relatives of King

74. Direct Democracy is practiced in which country?

- a. India
- b. Russia
- c. USA
- d. Switzerland

75. In which form of government, the king or queen has the power to make decision and runs the government?

- a. Monarchy
- b. Dictatorship
- c. Democracy
- d. Theocracy

Class - VII

SECTION A: MATHEMATICS**1. Which one of the following is not true?**

- a. Addition is associative for integers
- b. Addition is not commutative for integers.
- c. Integer 0 is the identity under addition.
- d. Integers are closed under addition.

2. Find the value of $(-31) \div [(-30) + (-1)]$

- a. -1
- b. 2
- c. -2
- d. 1

3. Find the product of $625 \times (-35) + (-625) \times 65$

- a. 62500
- b. - 62500
- c. 6250
- d. - 6250

4. Choose the correct statements.

- I. Zero is additive identity
- II. For any integer a , $a \div 0$ is not defined.
- III. 1 is multiplicative identity.
- IV. Subtraction is associative for integers.
- a. I, II & IV
- b. I, II & III
- c. II, III & IV
- d. I, II, III & IV

5. The average of 5.8, 4.6, 9.7, 5.9 and 6.2 is

- a. 6.88
- b. 7.25
- c. 5.44
- d. 6.44

6. Which one of the following is true?

- a. Integers are not closed under multiplication.
- b. Multiplication is not commutative for integers.
- c. The integer 0 is the identity under multiplication.
- d. Multiplication is associative for integers.

7. Find the area of a rectangle whose length is 5.7 cm and breadth is 3 cm?

- a. 15.1 cm^2
- b. 16.1 cm^2
- c. 17.1 cm^2
- d. 18.1 cm^2

8. How much less is 28 km than 42.6 km?

- a. 70.6 km
- b. 14.6 km
- c. 60.6 km
- d. 39.8 km

9. A two- wheeler covers a distance of 55.3 km with one litre of petrol. How much distance will it cover with 10 litres of petrol?

- a. 5.53 km
- b. 0.553 km
- c. 5530 km
- d. 553 km

10. Ashok says that he has 7 marbles more than five times the marbles Tomba has. Ashok has 37 marbles. How many marbles does Tomba have?

- a. 44
- b. c. 6
- c. 30
- d. 5

11. The value of the variable for which the equation is satisfied is called the of the equation.

- a. Co-efficient
- b. Solution
- c. Simple
- d. Expression

12. The value of m in the equation $7m + \frac{19}{2} = 13$ is

- a. $\frac{1}{3}$
- b. $\frac{2}{3}$
- c. $\frac{1}{2}$
- d. $\frac{2}{7}$

13. Which one is not true?

- a. The complement angle of 67° is 23° .
- b. The angles 65° and 115° are supplementary angles.
- c. The only angle which is equal to its complement angle is 45° .
- d. If two angles are supplementary, both of them are acute angles.

14. When two lines l and m meet at a common point, then the meeting point is called the point of

- a. Transversal
- b. Vertical
- c. Intersection
- d. Distinction

15. The perimeter of a rectangular sheet is 100 cm. If the length is 35 cm, find the area of the rectangular sheet.

- a. 550 cm^2
- b. 525 cm^2
- c. 525 cm
- d. 525 m

16. How many times a wheel of radius 28 cm must rotate to go 352 m? (Take $\pi = 22/7$)

- a. 200
- b. 300
- c. 100
- d. 400

17. A picture is painted on a cardboard 8 cm long and 5 cm wide such that there is a margin of 1.5 cm along each of its sides. Find the total area of the margin.

- a. 40 cm^2
- b. 30 cm^2
- c. 50 cm^2
- d. 60 cm^2

18. A path 1 m wide is built along the border and inside a square garden of side 30 m. find the cost of planting grass in the remaining portion of the garden at the rate of ₹10 per m^2 .

- a. ₹ 34360
- b. ₹ 32360
- c. ₹ 31360
- d. ₹ 33360

19. The circumference of a circle is 31.4 cm. Find the area of the circle? (Take $\pi = 3.14$)

- a. 68.5 cm^2
- b. 73.5 cm^2
- c. 78.5 cm^2
- d. 81.5 cm^2

20. Find the area of a square park whose perimeter is 320 m.

- a. 640 m c. 6400 m
b. 640 m² d. 6400 m²

21. Find the value of $(3/13) \div (-4/65)$

- a. 15/4 c. -15/4
b. 4/15 d. -4/15

22. Which of the following fraction does not lie in between -2 and -1?

- a. $-\frac{9}{5}$ c. $-\frac{6}{5}$
b. $-\frac{7}{5}$ d. $-\frac{5}{9}$

23. The value of $\frac{-7}{12} \div (\frac{-2}{13})$ is

- a. $-\frac{91}{24}$ c. $\frac{91}{24}$
b. $-\frac{24}{91}$ d. $\frac{24}{91}$

24. Find the value of $\frac{-3}{8} - \frac{7}{11}$

- a. -88/89 c. -89/88
b. 88/89 d. 89/88

25. Find the area of the circle whose diameter is 14 m.

- a. 154 m c. 154 cm
b. 154 m² d. 1540 m²

SECTION B: SCIENCE (Class VII)

26. During photosynthesis

- a. Solar energy is converted into chemical energy
b. Solar energy is converted into mechanical energy
c. Chemical energy is converted into mechanical energy
d. Bioenergy is converted into chemical energy

27. The end products of photosynthesis are

- a. carbohydrates, oxygen
b. carbohydrates, hydrogen
c. carbohydrates, water vapours
d. carbohydrates, oxygen and water vapours

28. Which one is not true about lichen?

- a. Lichen is a symbiotic relationship between Algae and fungus.
b. Both fungus and algae are harmful to each other
c. Fungus provides shelter, water and minerals to algae.
d. Algae prepared and provides food to the fungus.

29. Silk Fibre obtained from silk moth is _____

- a. Carbohydrate c. Proteins
b. Fat d. Sugars

30. Choose the correct codes:

Mode of Nutrition	Organism
1 - Autotroph	A - Fungi
2 - Heterotroph	B - Lichen
3 - Saprotroph	C - Green Plants
4 - Symbiosis	D - Animals

- a. 1 - A, 2 - B, 3 - C, 4 - D
b. 1 - B, 2 - A, 3 - D, 4 - C
c. 1 - C, 2 - D, 3 - A, 4 - B
d. 1 - D, 2 - C, 3 - B, 4 - A

31. The correct order of organs of human alimentary canal is

- a. Buccal cavity, Oesophagus, Stomach, Intestine, Rectum
b. Oesophagus, Buccal cavity, Rectum, Stomach, Intestine
c. Rectum, Buccal cavity, Intestine, Oesophagus, Stomach,
d. Intestine, Buccal Cavity, Rectum Oesophagus, Stomach,

32. Which one is not a function of saliva?

- a. It lubricates the food particles and helps in swallowing.
b. It breaks down starch into sugars.
c. It detects different tastes of foods.
d. It helps in the digestion of fats.

33. What is the largest gland of human being?

- a. Gal bladder c. Liver
b. Thyroid gland d. Pancreas

34. Diarrhoea is caused by

- a. Infection c. Food poisoning
b. Indigestion d. All the above

35. Which one of the following is the correct steps for processing of Fibre into wool?

- a) Shearing, Sorting, Scouring, Cleaning of Burrs, Rolling, Dyeing
b) Shearing, Scouring, Sorting, Cleaning of Burrs, Rolling, Dyeing
c) Scouring, Sorting, Shearing, Dyeing, Cleaning of Burrs, Rolling
d) Sorting, Rolling, Cleaning of Burrs, Shearing, Sorting, Dyeing

36. Which disease is mainly suffered by sorter workers of wool industry?

- a. Polio c. Malaria
b. Anthrax d. AIDS

37. Which one of the following is not a breed of sheep?

- a. Murrah c. Marwari
b. Nali d. Lohi

38. The speed of a car is 54km/hr. What is the speed of the car in m/sec?

- a. 14m/sec c. 15 m/sec
b. 16 m/sec d. 18 m/sec

39. The correct way of making a solution of acid in water is to

- add water to acid
- add acid to water**
- mix acid and water simultaneously
- add water to acid in a shallow container

40. Phenolphthalein is a synthetic indicator and its colours in acidic and basic solutions, respectively are:

- red and blue
- blue and red
- pink and colourless
- colourless and pink**

41. When the soil is too basic, plants do not grow well in it. To improve its quality what must be added to the soil?

- Organic matter**
- Quick lime
- Slaked lime
- Calamine solution

42. Choose the incorrect pair of acid and its source.

- Formic acid – Ant's sting
- Lactic acid – Curd
- Tartaric acid – Tamarind
- Citric acid – Vinegar**

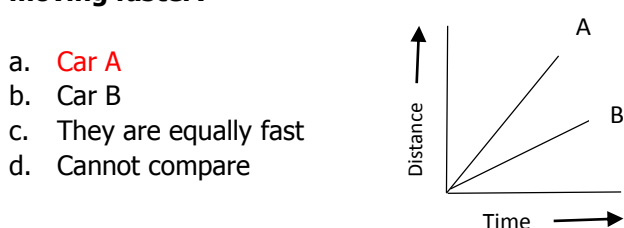
43. What is the other name of vitamin C?

- Ascorbic acid**
- Tartaric acid
- Oxalic acid
- Lactic acid

44. Which of the following vehicle has the fastest speed?

- A car drives 120 km in 2 hours
- A bike travels 500 km in 8 hours**
- In 3 hours, a bus covers 175 km
- In 4 hours a jeep covers 220 kms.

45. The distance-time graph for the motion of two cars A and B is given. Which car is moving faster?



- Car A**
- Car B
- They are equally fast
- Cannot compare

46. When carbon dioxide is passed through lime water, the water becomes milky. The change of the colour is caused _____ formed in the reaction.

- Calcium Hydroxide
- Calcium Carbonate**
- Calcium Oxide
- Calcium bicarbonate

47. Galvanisation is a process used to prevent the rusting of which of the following?

- Iron
- Copper
- Zinc**
- Aluminum

48. Which one is not true about Stainless steel?

- It is an alloy.
- It is an element.**
- It does no rust.
- It is made up of iron, carbon and chromium.

49. A safety device that cuts off the current in a circuit if a sudden heavy current starts flowing in it is

- Ammeter
- Solenoid
- Fuse**
- Voltmeter

50. An electric bell works on the principle of

- Chemical effect of electric current
- Heating effect of electric current
- Magnetic effect of electric current**
- All the above

SECTION C: SOCIAL SCIENCE (Class VII)

51. Type of rock known as SIAL which is found in continents is mainly composed of

- Silica & Aluminium**
- Silicon & Aluminium
- Silica & Argon
- Silica & Arsenic

52. The word "Environment" is derived from the word "Environer" which means 'neighborhood'. The word "Environer" is a _____ word.

- English
- French**
- Latin
- Greek

53. Choose the correct matching code:

Rock	Type of Rock
1 - Granite	A - Sedimentary
2 - Limestone	B - Igneous
3 - Quartzite	C - Metamorphic

- 1 - A, 2 - B, 3 - C
- 1 - B, 2 - A, 3 - C**
- 1 - C, 2 - B, 3 - A
- 1 - C, 2 - B, 3 - A

54. Which of the following rocks are examples of Sedimentary rocks?

- Shale, Coal, Limestone, Sandstone**
- Granite, Slate, Limestone, Sandstone
- Granite, Slate, Quartzite, Sandstone
- Gneiss, Shale, Limestone, Sandstone

55. Who is the founder of Islam?

- Al-Beruni
- Prophet Mohammad**
- Akbar
- Jahangir

56. Which of the following is/are correct about the interior of the earth?

- The interior of the earth is composed of uniform materials.
- The innermost part of the Earth is known as core.
- The core is composed of iron and nickel.

(iv) Crust is the outermost layer of the earth.
Select the correct answer using the code given below.

- a. Only (i) and (iii) are true.
- b. (i), (ii) and (iii) are true.
- c. (ii), (iii) and (iv) are true.
- d. All are true.

57. The Imphal valley is a lacustrine plain because it was formed due to

- a. Erosion of a highland
- b. Uplift of the sea floor
- c. Deposition of sediments in a lake.
- d. Draining out of accumulated water.

58. The Richter scale used for measuring the magnitude of earthquake has a range ____

- a. 0 – 12
- b. 1 – 14
- c. 0 – 9
- d. 1 – 100

59. Which Constitution Amendment Act lowered the voting age from 21 to 18 years?

- a. The 42nd Amendment Act, 1986
- b. The 4th Amendment Act, 1955
- c. The 61st Amendment Act, 1989
- d. The 29th Amendment Act, 1972

60. Sometimes elections are held only for one constituency to fill the vacancy caused by death or resignation of a member. This is called _____

- a. General Election
- b. Mid-Term Election
- c. By Election
- d. None above

61. Which one is not a National Political Party of India?

- a. Bharatiya Janata Party (BJP)
- b. Indian National Congress (INC)
- c. Nationalist Congress Party (NCP)
- d. Manipur People's Party (MPP)

62. When was the Constitution of India adopted?

- a. On 26th January, 1949
- b. On 26th November, 1949
- c. On 26th January, 1950
- d. On 26th November, 1950

63. The source of all authority of the constitution of India as indicated by the Preamble is

- a. Parliament
- b. Supreme Court
- c. Elected MP/MLA
- d. People of India

64. Which statement is wrong about the Chief Minister of a state?

- a. He is the head of the government of the state.
- b. He presides over the Cabinet Meetings.
- c. He is appointed by the Speaker of Legislative Assembly.
- d. He selects his Ministers and distributes portfolios among them.

65. The council of Ministers is collectively responsible to the

- a. State Legislative Assembly
- b. Governor
- c. Speaker
- d. Chief Justice of High Court.

66. Which one is wrongly paired?

- | Traveler | Country |
|--------------------|------------|
| a. Marco Polo | Venetia |
| b. Thomas Roe | England |
| c. Al-Beruni | Uzbekistan |
| d. Captain Hawkins | Germany |

67. The lowest class in a feudal society was

- a. The Knights
- b. The Serfs
- c. The Dukes
- d. The Barons

68. Which period is known as medieval period in Indian History?

- a. 5th – 15th Century AD
- b. 8th – 18th Century AD
- c. 10th – 17th Century AD
- d. 10th – 17th Century AD

69. The famous bronze statue of Nataraj belonged to

- a. The Palas
- b. The Rastrakutas
- c. The Pratiharas
- d. The Cholas

70. The famous Tripartite Struggle was fought among the Pratiharas, the Rastrakutas and the Palas for the control of _____

- a. Kanauj
- b. Afghanistan
- c. Bengal
- d. South Indian

71. The Rock-Cut Temples and Elephanta Caves were built by _____

- a. Pratiharas
- b. Palas
- c. Rastrakutas
- d. Mughals

72. Which one is wrongly paired?

- a. Fold mountain – The Himalayas
- b. Block Mountain – The Vindhya
- c. Residual Mountain – The Nilgiris
- d. Volcanic Mountain – The Aravallis

73. Type of rock known as SIMA is found in

- a. Continent
- b. Hills
- c. Ocean basins
- d. Plateau

74. The variety of life forms like plants, animals and microorganisms is known as

- a. Biosphere
- b. Environment
- c. Biodiversity
- d. Hydrosphere

75. Vasco da Gama belongs to _____

- a. England
- b. Portugal
- c. France
- d. Netherland

Class – VIII

SECTION A: MATHEMATICS (Class VIII)

- Find the value of $\frac{2}{5} \times \frac{-3}{7} - \frac{1}{14} - \frac{3}{7} \times \frac{3}{5}$
 - $\frac{1}{2}$
 - $-\frac{2}{5}$
 - $-\frac{1}{2}$
 - $\frac{2}{5}$
- Which of the following is the multiplicative identity for rational numbers?
 - 0
 - 1
 - 1
 - None of these
- Which of the following is a rational number that lies between 2 and 3?
 - $\frac{1}{4}$
 - $\frac{9}{4}$
 - $\frac{3}{4}$
 - $\frac{15}{4}$
- A number which can be written in the form of $\frac{p}{q}$, where p and q are integers and _____ is called a rational number.
 - $q=0$
 - $q=1$
 - $q \neq 0$
 - $q \neq 1$
- Which of the following statements is true?
 - Every integer is a rational number.
 - Every rational number is a whole number.
 - Every integer is not a rational number.
 - None of these.
- The value of $5x + \frac{7}{2} = \frac{3}{2}x - 14$ is
 - 4
 - 5
 - 5
 - 4
- The present age of Sahil's mother is three times the present age of Sahil. After 5 years their ages will add to 66 years. Find the present ages of Sahil's mother.
 - 14
 - 42
 - 66
 - 60
- Sum of two numbers is 95. If one exceeds the other by 15, find the numbers.
 - 50 and 45
 - 35 and 70
 - 40 and 55
 - 30 and 65
- The number of boys and girls in a class are in the ratio 7:5. The number of boys is 8 more than the number of girls. What is the total class strength?
 - 48 students
 - 38 students
 - 40 students
 - 42 students
- One of the two digits of a two digit number is three times the other digit. If you interchange the digits of this two-digit number and add the

resulting number to the original number, you get 88. What is the original number?

- 16 (or 61)
 - 24 (or 42)
 - 46 (or 64)
 - 26 (or 62)
- Solve $2x - 3 = x + 2$.
 - $x = 4$
 - $x = 3$
 - $x = 5$
 - $x = 0$
 - State the name of a regular polygon of 6 sides.
 - Pentagon
 - Heptagon
 - Hexagon
 - Quadrilateral
 - Which of the parallelogram has all sides equal and diagonals bisect each other at right angle?
 - Square
 - Rhombus
 - Rectangle
 - Trapezium
 - The perimeter of a parallelogram is 180 cm. If one side exceeds the other by 10 cm, what are the sides of the parallelogram?
 - 40 cm, 50 cm
 - 70 cm, 20 cm
 - 45 cm, 45 cm
 - 60 cm, 30 cm
 - The opposite sides of a parallelogram are of _____ length.
 - Not equal
 - Equal
 - Different
 - None of these.
 - All the angles of a regular polygon are of
 - 90°
 - Equal length
 - 60°
 - Equal measure
 - The ratio of two adjacent sides of a parallelogram is 4:5. If its perimeter is 72 cm, find its adjacent sides.
 - 18 cm and 25 cm
 - 18 cm and 20 cm
 - 16 cm and 25 cm
 - 16 cm and 20 cm
 - Which of the following is not a perfect square?
 - 1369
 - 1124
 - 1225
 - 1156
 - Sum of squares of two numbers is 145. If square root of one number is 3, find the other number.
 - 136
 - 64
 - 9
 - 8
 - Find the least number that must be subtracted from 5607 so as to get a perfect square.
 - 130
 - 131
 - 135
 - 145
 - What is the length of the side of a square whose area is 2304 m^2 ?
 - 45
 - 41
 - 48
 - 42

22. Find the least number that must be added to 432 so as to get a perfect square.

- a. 8
- b. 10
- c. 9
- d. 11

23. Which one is not a Pythagorean Triplet?

- a. (8, 15, 17)
- b. (6, 8, 10)
- c. (5, 12, 13)
- d. (12, 25, 37)

24. What is the square root of 289?

- a. 13
- b. 15
- c. 14
- d. 17

25. What is the value of y in the equation

$$\left(\frac{2}{3} + \frac{3}{2}\right)y = \left(\frac{2}{3} - \frac{3}{2}\right) \div \frac{5}{6}$$

- a. $y = -\frac{1}{5}$
- b. $y = -\frac{6}{13}$
- c. $y = \frac{1}{5}$
- d. $y = \frac{6}{13}$

SECTION B: SCIENCE (Class VIII)

26. Which one is not true about Kharif Crops?

- a. They are grown in rainy season.
- b. They are also known as Monsoon Crops.
- c. Examples are Paddy, Maize, Soyabean etc.
- d. They are harvested at the beginning of rainy season.

27. Read the following statements:

- (i) It is a man-made inorganic salt.
- (ii) It is a natural substances obtained by decomposition of cattle dung and plant residues.
- (iii) It is prepared in factories.
- (iv) They are very rich in plant nutrients like nitrogen, phosphorous and potassium.

Choose the correct statements about fertilizers.

- a. (i), (ii), (iv) are true.
- b. (i), (iii), (iv) are true.
- c. (i), (ii), (iii) and (iv) are true.
- d. Only (iii) and (iv) are true.

28. 2,4-D is a/an

- a. Fertilizer
- b. Insecticide
- c. Manure
- d. Weedicide

29. Lactobacillus is commonly found in

- a. Cake
- b. Bread
- c. Curd
- d. Yeast

30. Deliberately injecting weak microbes into a healthy body and producing antibodies to fight against strong microbes is called ____

- a. Medication
- b. Vaccination
- c. Antibiotics
- d. Surgery

31. Which one is true about pasteurization of milk?

- a. Milk is heated to about 100°C for about 60 minutes and suddenly chilled and stored.
- b. Milk is heated to about 70°C for about 15-30 minutes and suddenly chilled and stored.
- c. Its processes is discovered by Alexander Fleming.
- d. All the above are true.

32. Choose the correctly paired option.

- a. Malaria – Virus
- b. Hepatitis – Protozoa
- c. Cholera – Bacteria
- d. Measles – Food poisoning.

33. Which one is not a communicable disease?

- a. Chicken Pox
- b. Cholera
- c. Tuberculosis
- d. Cancer

34. The female Aedes mosquito acts as a carrier of

- a. Measles
- b. Malaria
- c. Dengue Fever
- d. Cholera

35. Choose the correct matching:

Person	Discovered
A – Alexander Fleming	1-Small pox vaccine
B- Louis Pasteur	2-Fermentation
C- Edward Jenner	3- Bacillus anthracis
D- Robert Coch	4- Penicillin

- a. A -4 , B- 2, C-1, , D- 3
- b. A -1, , B-2, C-3, , D- 4
- c. A -4, , B-3, C-2, , D- 1
- d. A -1, , B-2, C-3, , D- 4

36. Which one of the following is a natural polymer?

- a. Nylon
- b. Cellulose
- c. Teflon
- d. Polystyrene

37. Which of the following substance takes the longest time to decompose?

- a. Plastic bags
- b. Woolen Clothes
- c. Woods
- d. Papers

38. Polythene and PVC are the examples of

- a. Thermosetting plastics
- b. Thermoplastic
- c. Biodegradable substances
- d. Rayon

39. When a copper vessel is exposed to moist air for long, it acquires a dull green coating. The green material is a mixture of

- a. Copper oxide & Copper carbonate
- b. Copper oxide & Iron carbonate
- c. Copper hydroxide & Copper carbonate

d. Copper hydroxide & Copper sulphate

40. Which of the following is the most reactive metal?

- a. Sodium
- b. Gold
- c. Aluminum
- d. Zinc

41. When sulphur dioxide is dissolved in water _____ is formed.

- a. Sulphuric Acid
- b. Sulphurous Acid
- c. Sulphur Trioxide
- d. Sulphur Hydroxide

42. Since metals produces ringing sounds, they are said to be _____

- a. Malleable
- b. Ring metals
- c. Ductile
- d. Sonorous

43. Phosphorous is stored in

- a. Water
- b. Alcohol
- c. Kerosene
- d. Keep under open in air

44. A solution turns a Red Litmus paper blue colour. The nature of the solution is a/an

- a. Acidic
- b. Neutral
- c. Basic
- d. None above

45. Generally, oxides of Non-metals are _____ in nature.

- a. Acidic
- b. Neutral
- c. Basic
- d. All above

46. If in a tug-of-war, when two teams are pulling a rope, and the rope does not move towards any team. It implies that

- a. Equal force is being applied in the same direction.
- b. Equal force is being applied in opposite direction.
- c. No force is applied in any direction.
- d. Cannot explained.

47. If two forces act in the opposite directions on an object, the net force acting on it is the

- a. Sum of the two forces
- b. Difference of the two forces
- c. Multiplication of the two forces
- d. Division of the two forces.

48. An example of a non-contact force is

- a. Force exerted by us to lift a bucket.
- b. Push a stationary car.
- c. Force exerted by a magnet.
- d. Hit a cricket ball for a run.

49. The sole of the shoe becomes plain after wearing it for several months. The reason is

- a. Wearing out due to friction
- b. Wearing out due to no friction
- c. Sole is of bad quality
- d. None of the above.

50. The correct arrangement of the types of friction in an increasing order is.

- a. Rolling , Static, Sliding
- b. Static, Rolling, Sliding
- c. Roiling, Sliding, Static
- d. Sliding, Static, Rolling

SECTION C: SOCIAL SCIENCE (Class VIII)

51. Correct arrangement of coal types on the basis of carbon content is

- a. Lignite > Peat > Bituminous > Anthracite
- b. Anthracite > Bituminous > Lignite > Peat
- c. Anthracite > Peat > Lignite > Bituminous
- d. Peat > Lignite > Bituminous > Anthracite

52. Which one is not a principle of Sustainable Development?

- a. Love and care for all forms of life.
- b. Minimize the depletion of natural resources
- c. Encouraging deforestation.
- d. Conserve the earth's resources and biodiversity.

53. The world's first commercial oil-well was dug in

- a. Digboi, Assam (India)
- b. Mexico, USA
- c. Pennsylvania, USA
- d. Mumbai High, India

54. A large amount of gold is found in the seabed of oceans, but not yet put to proper use. It is an example of

- a. Potential Resource
- b. Biotic resource
- c. Renewable resource
- d. Actual resource

55. What percent of the total area of Manipur is used for agricultural purpose?

- a. 67%
- b. 10%
- c. 56%
- d. 30%

56. Choose the correct matching code:

Region	% of Forest Cover
1 - India	A - 67%
2 - World	B - 22%
3 - Manipur	C - 31%

- e. 1 - A, 2 - B, 3 - C
- f. 1 - B, 2 - A, 3 - C
- g. 1 - B, 2 - C, 3 - A
- h. 1 - C, 2 - B, 3 - A

57. Which one is not correctly matched?

- a. Prairies - North America
- b. Steppes - Eurasia
- c. Pampas - South America
- d. Veld - South India

58. A region has heavy rainfall and high temperature. Which type of forest is found in the region?

- a. Grassland
- b. Thorny Forest
- c. **Evergreen Forest**
- d. Deciduous forest

59. The composition of bronze are

- a. **Copper & Iron**
- b. Iron & Zinc
- c. Copper & Tin
- d. Iron & Tin

60. Which one is wrongly matched?

- a. Bartholomew – Cape of Good Hope
- b. Columbus – America
- c. Vasco da Gama – Sea route to India
- d. **Dom Henrique – Africa**

61. Disintegration/decaying of Mughal Empire was witnessed after the death of

- a. Akbar
- b. **Shaha Jahan**
- c. Tipu Sultan
- d. **Aurangzeb**

62. The first European country which had monopoly in carrying out profitable trade with India was

- a. Netherlands
- b. Britain
- c. **Portuguese**
- d. France

63. The Battle of Wandiwash was fought in between

- a. England and Bengal
- b. England and Portuguese
- c. **England and France**
- d. England and Holland

64. Dutch are the native people of

- a. **Netherland**
- b. Britain
- c. Portuguese
- d. Germany

65. Doctrine of Lapse was introduced by

- a. Lord Macaulay
- b. **Lord Dalhousie**
- c. Warren Hastings
- d. Lord Wellesley

66. The Manipur State Constitution Act, 1947 was enacted by His Highness Maharaja

- a. Gambhir Singh
- b. Kulachandra
- c. **Bodhachandra**
- d. Surchandra

67. Which one is not true about constitution?

- a. It is a set of rules and principles that all citizens can agree upon.
- b. It tells about the relationship between the people and government.
- c. It determines the relationship among the people living in a country.
- d. **It directs the government to govern at its own will.**

68. Who is known as the Father of Indian Constitution?

- a. **Dr. BR Ambedkar**
- b. Dr. Rajendra Prasad
- c. J Nehru
- d. Mk Gandhi

69. When was the Constitution of India adopted?

- a. On 15th August, 1947
- b. On 26th January, 1947
- c. On 26th January, 1950
- d. **On 26th November, 1949**

70. In which part of the Indian Constitution, the Fundamental Duties are enumerated?

- a. Part III-A
- b. **Part IV-A**
- c. Part VI-A
- d. Part IV-B

71. What is the full form of AFSPA?

- a. Armed Force Security Power Act
- b. Armed Force Security Provision Act
- c. Armed Force Special Provision Act
- d. **Armed Force Special Power Act**

72. Which Manipuri ancient text assigns the occupations and professions of Yumnaks (surnames) to the Manipuris?

- a. Cheitharol Kumbaba
- b. Leishemlon
- c. **Loiyumab Shilyen**
- d. Moirang Kangleiron

73. During the reign of which king, Muslim began to settle in Manipur?

- a. Meidingu Loiyumba
- b. Meidingu Kyamba
- c. **Meidingu Khagemba**
- d. Nongda Lairen Pakhangba

74. Which one is not a secular country?

- a. India
- b. **Pakistan**
- c. The USA
- d. The UK

75. In a secular country, which one is not permitted?

- a. **Prohibition of entering Muslims in Hindu Hotels.**
- b. Establishment of religious institutions.
- c. Practice and profess of a religion by every citizen.
- d. Publication of religious books.