

SOS HERMANN GMEINER SCHOOL
SANOTHIMI Entrance Examination - 2081
Model Question
Grade VI

Time: 2 hrs.

Full Marks: 60

Tick the correct option from the given alternatives:

Question number 1 to 40 carry 1 mark each

1. If a° , b° , c° and d° are four angles of quadrilateral, what is the size of $a^\circ + b^\circ + c^\circ + d^\circ$?
a. 90° b. 180° c. 270° d. 360°
2. If two angles of a triangle are 60° and 55° respectively, what is the size of the third angle?
a. 55° b. 65° c. 115° d. 180°
3. If p and q are a pair of supplementary angles, then $p^\circ + q^\circ = ?$
a. 90° b. 180° c. 360° d. 270°
4. What do you call an angle which is greater than a right angle and less than a straight angle?
a. Acute angle b. Right angle c. obtuse angle d. Reflex angle
5. Convert 2.125 km into m.
a. 21.25m b. 212.5m c. 2125m d. 21250m
6. If the cost of 12 pens is Rs 240.60, find the cost of 1 pen.
a. Rs 2.05 b. Rs 20.05 c. Rs 205.0 d. Rs 20.05
7. Find the ratio of Rs 2 and 50 paise.
a. 1:25 b. 4:1 c. 1:4 d. 25:1
8. If four times of a number is 36, what is that number?
a. 4 b. 6 c. 9 d. 12
9. Find the product: $2ab \times (-5a^2b)$
a. $-10a^3b^2$ b. $10a^3b^2$ c. $10a^2b^2$ d. $-10a^2b^3$
10. Subtract $2x - 3y$ from $4x + 5y$.
a. $6x - 2y$ b. $6x + 2y$ c. $2x - 2y$ d. $2x + 8y$
11. How many terms are there in $3ab + 2a - 4b$?
a. 2 b. 3 c. 4 d. 5
12. What are the possible factors of 12 ?
a. 2, 3, 6, 12 b. 1, 2, 3, 6 c. 1, 2, 3, 4, 6, 12 d. 2, 3, 6, 12
13. What is the smallest number of 5-digits formed by 7, 2, 0, 4 and 6 ?
a. 20467 b. 02467 c. 76420 d. 72047
14. What is the H.C.F of 14 and 35?
a. 7 b. 14 c. 21 d. 35
15. 12 students are kept in each row and column of a square hall. How many students are there in the hall?
a. 24 b. 48 c. 96 d. 144
16. Ram did $\frac{1}{5}$ part of work and Hari did $\frac{2}{5}$ part of the same work. How much work is done altogether?

- a. $\frac{1}{10}$ b. $\frac{3}{10}$ c. $\frac{1}{5}$ d. $\frac{3}{5}$
- 17. Multiply: 0.004×3**
 a. 0.012 b. 0.0012 c. 0.0043 d. 0.043
- 18. A man bought a radio for Rs 450 and sold it for Rs 565. Find his profit?**
 a. Rs 100 b. Rs 115 c. Rs 151 d. Rs 1015
- 19. Find 40 % of 300.**
 a. 120 b. 260 c. 430 d. 340
- 20. Round off 27.36 to 1 decimal place.**
 a. 27.4 b. 27.3 c. 27.6 d. 27.9
- 21. In which phylum does snail lie?**
 a. Porifera b. Annelida c. Arthropoda d. Mollusca
- Which of the following animals is vertebrate?**
 a. Sea-cucumber b. Hydra c. Jellyfish d. Sea horse
- voracious in the life cycle of butterfly.**
 a. Egg b. Larva c. Pupa d. Adult
- 24. Which of the following part of animal cell controls the different activities of the cell?**
 a. Nucleus b. Cytoplasm c. Vacuole d. Cell membrane
- 25.is called kitchen of cell.**
 a. Nucleus b. Plastid c. Vacuoles d. Mitochondria
- 26. Which of the following animals do not lay egg?**
 a. Bird b. Snake c. Lizard d. Cat
- 27. The communication that takes place within the self is called**
 a. Mass communication b. Interpersonal communication
 c. Intrapersonal communication d. One-way communication
- 28.is an example of local technology.**
 a. Mobile b. Television c. Laptop d. Stone grinding mill(Janto)
- 29. Speed of wind is measured by using**
 a. Barometer b. Thermometer c. Wind sock d. Anemometer
- 30. Coal is an example of energy.**
 a. Electric b. Solar c. Nonrenewable d. Renewable
- 31. What type of energy is contained in stretched catapult?**
 a. Chemical energy b. Electric energy c. Kinetic energy d. Potential energy
- 32. When camphor is heated, it changes into gas. This process is called**
 a. Melting b. Vaporization c. Condensation d. Sublimation
- 33. Which of the following is monocot plant?**
 a. Mustard b. Pea c. Tomato d. Banana
- 34. Which part of flower is said to be female reproductive organ?**
 a. Androecium b. Calyx c. Gynoecium d. Corolla
- 35.is the reservoir of essential materials necessary for survival.**

- a. Inner core b. Outer core c. Mantle d. Crust
- 36. Which planet is nearest to the sun?**
 a. Earth b. Mercury c. Jupiter d. Venus
- 37. Which type of cloud brings pleasant weather?**
 a. Cirrus b. Cumulus c. Stratus d. Nimbus
- 38. Green plants are regarded as**
 a. Decomposer b. Consumer c. Autotrophs d. Heterotrophs
- 39. Acid rain is the cause of**
 a. Air pollution b. Water pollution c. Soil pollution d. Noise pollution
- 40. Some parts of a computer are given, which one is the output device?**
 a. Mouse b. Microphone c. Scanner d. Printer

Read the passage below and tick the correct answer to the questions 41 to 45. (1X5)=5

Have you ever been to the beach? Did you see a man with a headset pointing a long pole at the ground? If so you might have seen a person using a metal detector. People use these devices to find metal.

Metal detectors make magnetic waves. These waves go through the ground. The waves change when they hit metal. Then the device beeps. This lets the person with the device know that metal is close.

The first metal detectors were meant to help miners. They were big. They cost a lot of money. They used a lot of power. And worst of all, they didn't work well. People kept trying to make them better.

Metal detectors got smaller. Now they are light and cheap. They also work better. That is why people bring them to the beach. They can look for rings in the water. They can look for phones in the sand. Metal detectors help them find these things. They usually just find junk though.

Metal detectors also protect people. They help to keep guns out of some places. They are in airports. They are in courthouses. Some schools use them. They help guards look for weapons. Guards use special wands to find metal on a person.

These devices save lives in other ways too. During wars, people plant bombs in the ground. When the war ends, they don't clean up their messes. This is unsafe for the people who live in those places. Others use metal detectors to find bombs. They remove them and help the people.

These devices also make clothes safer. It sounds funny, but it's true. Most clothes are made in big factories. There are lots of needles in these places. Needles break from time to time. They get stuck in the clothes. They would poke people trying them on. They don't though. That's because our clothes are scanned for metal. Isn't that nice? Let's hear it for metal detectors. They make the world a safer place.

41. Which was not one of the problems with the first metal detectors?

- a. They were too big.
- b. They were too expensive.
- c. They didn't work well.
- d. They were unsafe.

42. Which best describes the main idea of the second paragraph?

- a. It describes the sounds of a metal detector.
- b. It explains how metal detectors work.
- c. It warns about the effects of metal detectors.
- d. It explains how magnetic waves move.

43. How do metal detectors make clothing safer?

- a. Metal detectors make sure factory machines are working the right way.
- b. Metal detectors make sure workers don't bring weapons into factories.
- c. Metal detectors make sure that broken needles don't get into clothing.
- d. Metal detectors help people recover lost clothing at the beach.

44. How do metal detectors help soldiers?

- a. They warn soldiers when bullets are coming.
- b. They help soldiers find hidden bombs.
- c. They find weaknesses in their armor.
- d. They create a relaxing beeping noise.

45. How did metal detectors get better over time?

- a. They became cheaper.
- b. They became lighter.
- c. They began working better
- d. All of these

46. Most nomadic groups follow a fixed annual or seasonal pattern of movements and they traditionally travel by animals, canoe or on foot. In this sentence, NOMADIC means;

- a. wild
- b. barbarous
- c. brave
- d. roving

47. The teachers said, "Students, prepare well for the examination." The reported speech for the given sentence is, -----.

- a. The teachers told the students to prepare well for the examination.
- b. The teachers tell the students to prepare well for the examination.
- c. The teachers said that the students should prepare well for the examination.
- d. The teachers told the students that they should prepare well for the examination.

48. They have not completed the task yet. Passive form of this sentence is -----.

- a. The task has already been finished.
- b. The task has been finished yet.
- c. The task has not been finished yet.
- d. The task is yet to be finished.

49. She will have completed the project work by tomorrow. What tense this sentence?

- a. Future
- b. Future Continuous
- c. Future Perfect
- d. Future Perfect Continuous

50. "Ouch! There is something in my shoes." What type of sentence is this?

- a. Interrogative
- b. exclamatory
- c. Imperative
- d. Assertive

51. *She always secures A+ in examinations as she is a DILIGENT student. In this sentence the word DILIGENT is synonymous to-----.*

- a. intelligent b. outstanding c. industrious d. careless

(Question No. 52 to 59 carry 0.5 marks each)

52. Which one of the following words is spelt incorrectly?

- a. unnecessary b. maintenance c. occurrence d. definitely

53. The plural form of the noun 'MOUSE' is -----.

- a. mice b. mouses c. mices d. mouse

54. I have finished reading -----book you gave me yesterday.

- a. a b. an c. the d. X

55. We should switch-----the lights before going to bed at night.

- a. off b. of c. at d. by

56. The man never let the child go out,-----?

- a. didn't he b. did he c. hadn't he d. did he

57. He was lazing around for a long time;-----,his boss didn't say a word to him.

- a. although b. even though c. however d. in spite of

58. The baby of the goose is called -----.

- a. geese b. kitten c. cygnet d. chick

59. Look! The children -----happily in the ground.

- a. have played b. played c. are playing d. play

60. Write a paragraph in about 10 sentences on the topic **"Importance of Wearing School Uniform"**

1X5=5
