

ETERNAL OLYMPIAD

KHETRI ROAD, NEEM KA THANA

CLASS – VII

(VI to VII Moving Students)

SAMPLE PAPER

This Paper contains **60 Multiple Choice Questions**. Each question has four choices (a), (b), (c) and (d) out of which **ONLY ONE** is correct.

SECTION-A (MATHS)

- In the International Place Value chart, starting from the right, first three place form the
(a) ones period (b) tens period
(c) thousands period (d) millions period
- $12345 \times 15 - 2469 \times 25 =$
(a) 1,43,460 (b) 1,24,420
(c) 1,22,420 (d) 1,23,450
- Which solid does not have any square faces?
(a) Cube (b) Cuboid
(c) Cone (d) Square pyramid
- Cricket ball is an example of a
(a) Cube (b) Cylinder
(c) Cone (d) Sphere
- When 0.02 is written as a fraction in the simplest form, the sum of the numerator and denominator is:
(a) 12 (b) 21
(c) 51 (d) 100
- Find the area a square having perimeter 20 cm.
(a) 2 cm^2 (b) 10 cm^2
(c) 20 cm^2 (d) 25 cm^2
- Write $2 \times p \times p \times p \times q \times q \times q$ in exponential form
(a) $2pq$ (b) $2p^2q^2$
(c) $2p^2q^2$ (d) $2p^3q^3$
- A scooter travels km in 2 hours. How long will it take to t 300km?
(a) 5 hr. (b) 8 hr.
(c) 10 hr. (d) 12 hr.
- Find the ratio of 5 days to 60 hours.
(a) 1 : 2 (b) 12 : 1
(c) 1 : 12 (d) 2 : 1
- Which of the following letters does not have any line symmetry?
(a) H (b) V
(c) Z (d) I

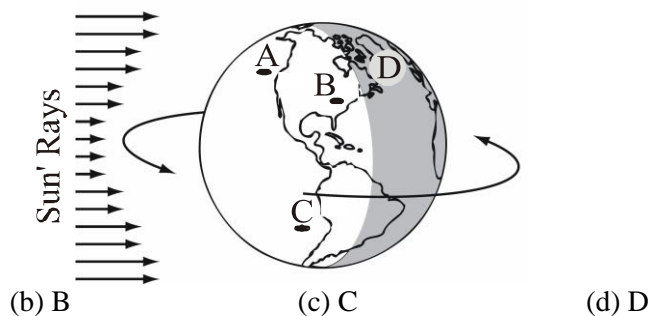
SECTION-B (MENTAL ABILITY)

- Amit walks 2km South, turned right and walked 1km, again turned North and walked 5km, turned East and walked 5km. How far is he from the starting point-
(a) 3 km (b) 7 km
(c) 5 km (d) 6 km
- As 'Table' is relate to 'Wood' in the same way as 'Shirt' is related to-
(a) Cotton (b) Cloth
(c) Dress (d) Uniform

13. 'Go' is related to 'Come' in the same way as 'High' is related to-
- (a) Above (b) Low
(c) Jump (d) Stand
14. In each of the following, select the alternatives that will come in place of question-mark?
- PASS : QBTT :: FAIL : ?
- (a) GJBM (b) GBJM
(c) MBJG (d) MJBG
15. Lucknow, Patna, Bhopal, Jaipur
- (a) Shimla (b) Mysore
(c) Pure (d) Indore
16. Directions- Each of the following questions has a group. Which one of the given alternatives will be another member of the group or of that class.
- 24 : 60 :: 120 : ?
- (a) 160 (b) 220
(c) 210 (d) 108
17. In each of the following questions find the word which is different from the rest.
- (a) Tiger (b) Lion
(c) Leopard (d) Cow
18. Find out the pair which is different from the others in each of the following questions.
- (a) 36-5 (b) 28-4
(c) 77-11 (d) 91-13
19. 6, 11, 21, 36, 56, ?
- (a) 51 (b) 42
(c) 81 (d) 91
20. Find the wrong term in following series.
- (a) 8 (b) 13
(c) 16 (d) 20

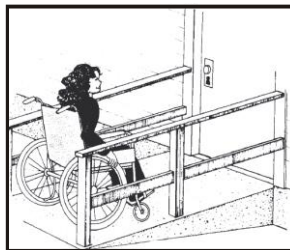
SECTION-C PHYSICS

21. Work is always done when
- (a) an object moves (b) a force moves an object.
(c) a force is exerted on an object. (d) an object has mass.
22. An axe is an example of which type of simple machine ?
- (a) Screw (b) Inclined plane
(c) Wedge (d) Lever
23. A standard bottle opener is an example of which type of lever?
- (a) Lever of the first order (b) Lever of the second order
(c) Lever of the third order (d) Lever of the fourth order
24. In the diagram below, which of these locations would enter the night-time side of Earth next?



25. The Great Red Spot is a planetary feature that has been observed for hundreds of years. On which planet is the Great Red Spot?
- (a) Venus (b) Mars
(c) Neptune (d) Jupiter

26. The illustration below shows a student approaching the door to a building.



Which two simple machines are being used to enable the student to reach the door?

- (a) Inclined plane and pulley
(b) Lever and wheel-and-axle
(c) Pulley and lever
(d) Wheel-and axle and inclined plane

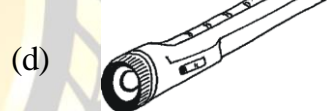
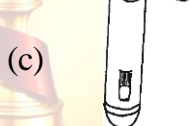
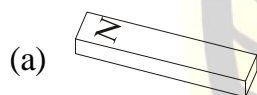
27. Which among the following is the unit of force?

- (a) Newton
(b) Dyne
(c) $kg \frac{m}{s^2}$
(d) All are units of force

28. The picture show Raj pulling the car made of iron with a wand.



Which of these is probably inside the wand?



29. All stars to move from appear to move from

- (a) East of west
(b) West to East
(c) North to South
(d) South to North

30. Which among the following planets has no rings around it?

- (a) Jupiter
(b) Saturn
(c) Uranus
(d) Mars

SECTION-D CHEMISTRY

31. Substance from which metal is economically extracted is known as

- (a) Mineral
(b) Ore
(c) Flux
(d) Slag

32. Soil can be conserved by

- (a) Afforestation
(b) Terrace farming
(c) Bunds
(d) None of above

33. The origin point of an earthquake is called the

- (a) Epicenter
(b) Crater
(c) Focus
(d) None of these

34. What is full form of 'NGO'?

- (a) Non-Government Organisation
(b) National Government Organisation
(c) National Growth Organisation
(d) New Great Organisation

35. Diamond is formed at _____.

- (a) high temperature and high pressure
(b) high temperature and low pressure
(c) low temperature and high pressure
(d) low temperature and low pressure

36. The size of crystals in igneous rock can be determined by how fast magma cools and solidifies.

The faster the magma cools, the smaller the crystals. Which sample of granite is formed from magma that is cooled and solidified at the slowest rate?



37. Carbon dioxide is produced during:

- (a) Photosynthesis and inspiration
- (b) Transpiration and combustion
- (c) Burning and respiration
- (d) Respiration and photosynthesis

38. Vermi- Composting involves the addition of

- (a) Red-worm
- (b) Chemicals
- (c) Pesticides
- (d) Wastes of plants only

39. Dissolving sugar in water is a/an

- (a) Irreversible change
- (b) Chemical change
- (c) Reversible change
- (d) None of these

40. Starch can be tested by using

- (a) iodine solution
- (b) caustic soda
- (c) copper sulphate
- (d) Fehling's solution

SECTION- E BIOLOGY

41. The main sources of vitamins and minerals are

- (a) Pulses, meat and egg
- (b) Oil, butter and ghee
- (c) Fruits and green vegetables
- (d) Potato, maize, wheat and rice

42. Respiratory pigment found in insects is

- (a) Heemocyanin
- (b) Haemoglobin
- (c) Both 1 and 2
- (d) Lymph

43. A person is suffering from Anaemia, the food recommended for recovery of this disorder are

- (a) Iodised salt & sea food
- (b) Sea food and milk
- (c) Butter, fish & meat
- (d) Apple & Spinach

44. Which of the following disease is non communicable?

- (i) Cholera
 - (ii) Typhoid
 - (iii) Diabetes
 - (iv) Chicken pox
- (a) (i), (ii) and (iii) (b) (iii) only (c) (i) & (ii) only (d) All of these

45. According to the feeding habits of sparrows i.e. crushing of seeds, their have been specialized as bing.

- (a) Broad and notched
- (b) Short & strong
- (c) Sharp and hooked
- (d) None of these

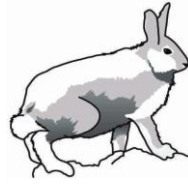
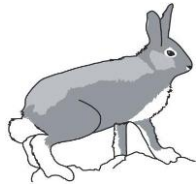
46. Pernicious anaemia, failure of erythrocytes to mature, is mainly due to deficiency of

- (a) Vitamin K
- (b) Thiamine
- (c) Vitamin C
- (d) Cyanocobalamin

47. Which of these best defines communicable diseases?

- (a) They can be curd
- (b) They are caused by bacteria.
- (c) They are spread to others.
- (d) They can spread only in winter.

48. The pictures below show the change in the fur of an arctic hare from summer to winter.



Which of the following statements best describes how this helps arctic hares?

- (a) It lowers their body temperature.
- (b) It protects their eyes from sunlight.
- (c) It helps them to move on slippery ice.
- (d) It makes them less visible to predators.

49. John has diabetes.

- (a) Beef
- (b) Eggs
- (c) Milk
- (d) Fruit juice

50. A polar bear is almost completely covered with white fur. The few parts without fur include the foot pad on its large, clawed paws. The foot pads are black and covered with many small bumps. The bumps help the polar bear to

- (a) Conserve body heat
- (b) Swim quickly in cold water
- (c) Walk on ice without slipping
- (d) Blend in with its surroundings

SECTION-F ENGLISH

51. Identify the type of speech of underlined word.

He was on time. He is always very punctual.

- (a) Subject
- (b) Helping verb
- (c) Object
- (d) None of these

52. Which is demonstrative pronoun in sentence "That is my town, itself is not very large as cities are".

- (a) My
- (b) That
- (c) As
- (d) Not

53. Kamal is _____ most intelligent student in the class.

- (a) A
- (b) An
- (c) The
- (d) None of these

54. What is the time _____ your watch?

- (a) In
- (b) At
- (c) By
- (d) Of

55. Identify the part of speech for the highlighted word:

Her sister is the oldest member of the "group".

- (a) Pronoun
- (b) Noun
- (c) Adjective
- (d) Adverb

56. Identify the part of speech for the highlighted word:

James saw the "awesome" sight from the air.

- (a) Adverb
- (b) Noun
- (c) Adjective
- (d) Conjunction

57. We _____ two sisters.

- (a) Am
- (b) Is
- (c) Was
- (d) Are

58. _____ does she feel?

- (a) How
- (b) What
- (c) When
- (d) Who

59. His father needs _____ toothpaste.

- (a) a can of
- (b) a bar of
- (c) a box of
- (d) a tube of

60. I _____ to Germany last year.

- (a) goes
- (b) go
- (c) went
- (d) gone