

MOTION OPEN SCHOLARSHIP TEST

SESSION - 2020-21

MOVING CLASS : 6th

SAMPLE PAPER

CANDIDATE'S NAME : _____

DURATION: 90 MINUTES

TOTAL QUESTIONS: 60

MAXIMUM MARKS : 120

INSTRUCTION:

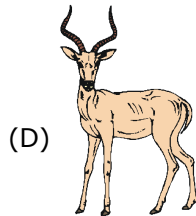
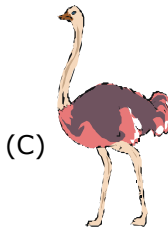
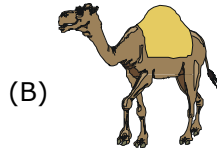
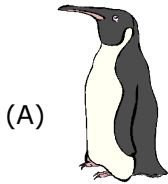
- The paper consists of Five sections :- Science (30 Questions), Mathematics (10 Questions), Social Studies (10 Questions), English (5 Questions) and Mental ability (5 Questions).
- All questions are compulsory and carry 2 marks each.
- There is only one correct answer hence mark one choice only.
- Darken your choice in OMR Sheet with Blue/ Black Ball Point Pen.
- Return the OMR Sheet to the invigilator at the end of the exam.

SCIENCE

- The unit of energy is:
(A) Newton (B) Joule
(C) Pascal (D) Metre
- Name the fixed point around which the rod of a lever moves.
(A) Load (B) Effort
(C) Fulcrum (D) Friction
- Which planet has no moon?
(A) Mars (B) Jupiter
(C) Mercury (D) Earth
- Recognizable patterns formed by group of stars.
(A) Satellite (B) Constellation
(C) Planet (D) Meteorite
- Which among the following is not a simple machine?
(A) Pulley (B) Lever
(C) Axe (D) None of these
- Which among the following statements is correct?
(A) Energy can be transformed from one form to another
(B) Energy cannot be created
(C) Energy cannot be destroyed
(D) All the above
- Name the simple machine which is used to hold things together:
(A) Wheel and axle (B) Pulley
(C) Screw (D) Inclined plane
- Core is mostly consists of:
(A) Plastic (B) Cotton
(C) Iron (D) Gold

9. Which planet is also known as "red planet"?
- (A) Mars (B) Venus
(C) Jupiter (D) Mercury
10. The Milky Way galaxy has a/an:
- (A) Ellipitical shape (B) Spiral shape
(C) Irregular shape (D) None of these
11. The constituent of air that supports combustion is
- (A) oxygen (B) nitrogen
(C) carbon dioxide (D) (A) and (B) both
12. Air is a/an -
- (A) element (B) compound
(C) mixture (D) None of these
13. Opposite of freezing is _____.
- (A) Sublimation (B) Vaporization
(C) Condensation (D) Melting
14. What are the properties of matter?
- (A) No mass but occupies space
(B) Mass but occupies no space
(C) Mass and occupies space
(D) No mass and occupies no space
15. Crystallization, evaporation and distillation use as a mean of.
- (A) Separating soluble substances in solution
(B) Separating insoluble substances in solutions
(C) Separating filtrate from solution
(D) None of these
16. The process in which impure muddy water is allowed to stand undisturbed in a container, is called _____.
- (A) Filtration (B) Sedimentation
(C) Decantation (D) Evaporation
17. Which of the following is an example of Igneous rock?
- (A) Quartz (B) Basalt
(C) Gneiss (D) Sandstones
18. Soil profile consist of following layers :
- (A) Topsoil, humus, bedrock
(B) Topsoil, subsoil, bedrock
(C) Humus, subsoil, rocks
(D) None of these
19. What is fossil fuels considered as type of?
- (A) Renewable Energy Fuels
(B) Non-renewable Energy Fuels
(C) Biomass Fuels
(D) Manmade resource
20. Refining of petroleum is done by
- (A) evaporation
(B) distillation
(C) fractional distillation
(D) None of these
21. With regards to natural eating habits, a human is -
- (A) An herbivore (B) A carnivore
(C) An omnivore (D) A Granivore
22. Air tube of a human is called -
- (A) Larynx (B) Trachea
(C) Pharynx (D) Gills
23. 'X' is a part of respiratory system from where air enters the body.
- (A) NULGS (B) AHIR
(C) SONE (D) POOFDIPE
24. Which of the following are producers?
- (A) Herbivores (B) Carnivores
(C) Green plants (D) Bacteria and fungi
25. Which term means 'Adjustment to environment'?
- (A) Adaptation (B) Mimicry
(C) Hibernation (D) Aestivation
26. Which of the following options contains foods obtained from roots of the plant?
- (A) Spinach, Cabbage, Coriander
(B) Potato, Mango, Broccoli
(C) Sugarcane, Onion, Beetroot
(D) Radish, Turnip, Carrot

27. Select the animal that is found in the similar habitat as the animal shown here.



28. Select the animal pair who have similar breathing mechanisms.

- (A) Bat : Fish
- (B) Turtle : Lizard
- (C) Butterfly : Mouse
- (D) Earthworm : Cockroach

29. The wood from which a wooden chair is made

- (A) is living
- (B) is always non-living
- (C) was once living but is now non-living
- (D) was once non-living but is now living

30. Which of the following is a common characteristic of all living things?

- (A) Response to stimulus
- (B) Growth
- (C) Excretion
- (D) All of these

MATHS

31. Which one of the following Roman symbols is used for 500?

- (A) L
- (B) X
- (C) D
- (D) C

32. What will be the remainder when 550438 is divided by 12?

- (A) 10
- (B) 11
- (C) 8
- (D) 9

33. Which one of the following sets contains all the prime numbers between 1 to 20?

- (A) {1, 2, 3, 5, 7, 9, 11, 17, 19}
- (B) {2, 3, 5, 7, 11, 13, 17, 19}
- (C) {2, 5, 7, 9, 11, 13, 17, 19}
- (D) {3, 5, 7, 9, 11, 13, 17, 19}

34. A is twice of B. If $A = \frac{12}{15}$, then find the value of $A + B$.

- (A) $\frac{3}{5}$
- (B) $\frac{4}{5}$
- (C) $\frac{2}{5}$
- (D) $\frac{6}{5}$

35. ABC is an isosceles triangle in which $AB=AC$ and $\angle A = 70^\circ$. Find the measure of $\angle C$.

- (A) 60°
- (B) 55°
- (C) 75°
- (D) 90°

36. Perimeter of an isosceles triangle is 32 cm. If length of the unequal side is 13 cm, find the length of one of the equal sides of the triangle.

- (A) 9 cm
- (B) 9.5 cm
- (C) 19 cm
- (D) 20 cm

37. Varun sold a toy for Rs 156 and made a profit of Rs 15. What is the cost price of the toy?

- (A) Rs 141
- (B) Rs 156
- (C) Rs 15
- (D) Rs 171

38. Sum of 60 min and 4 hr 30 min is -

- (A) 5 hrs 30 min
- (B) 6 hrs
- (C) 4 hrs
- (D) 7 hrs

39. 100°C is equivalent to –
(A) 212° F (B) 120° F
(C) 221° F (D) 75° F

40. 29 is 58% of what number?
(A) 70 (B) 50
(C) 60 (D) 65

SOCIAL SCIENCE

41. Salt Satyagraha is synonymous with which of the following?
(A) Quit India (B) Dandi march
(C) Azad hind fauj (D) Jallianwala bagh

42. The headquarters of SAARC is in:
(A) New delhi (B) Karachi
(C) Dhaka (D) Kathmandu

43. Sound pollution causes which of the following?
(A) Loss of sight
(B) Loss of smelling power
(C) Loss of hearing
(D) Loss of memory

44. Bhagat Singh was a:
(A) Radical leader (B) Moderate leader
(C) Liberal (D) Revolutionary

45. Who of the following was not related to India's First War of Independence?
(A) Rani lakshmi Bai
(B) Nana sahib
(C) Tantia Tope
(D) Gopal Krishna Gokhale

46. Which of the following makes laws for our whole country?
(A) The Prime Minister
(B) The Central Government
(C) The State Government
(D) The President

47. Which of the following dates mark the winter solstice?
(A) 21st March (B) 22nd December
(C) 23rd September (D) 25th December

48. 'Prairie' is a French word meaning:
(A) Tall grasses (B) Sea of green
(C) Serene (D) Pure

49. In which of the following colours mountains are shown in a physical map?
(A) Blue (B) Black
(C) Green (D) Brown

50. Excessive of which of the following pollution can even cause deafness?
(A) Air pollution (B) Soil pollution
(C) Noise pollution (D) Radioactive pollution

ENGLISH

51. Hari is _____ a story at present.
(A) writing (B) wrote
(C) written (D) writes

52. Which of the following noun is uncountable.
(A) rice (B) box
(C) pen (D) book

53. Which of the following noun is abstract noun?
(A) Honesty (B) Honest
(C) Happy (D) Mother

54. There is a bridge _____ the river.
(A) on (B) over
(C) at (D) of

55. Which of the following is verb?
(A) Play (B) Player
(C) Singer (D) Ball

MENTAL ABILITY

56. Find the next number in the below series.

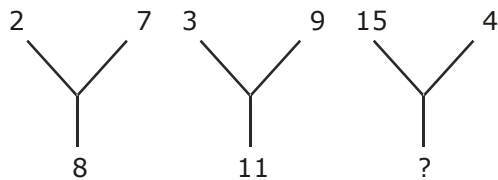
68, 67, 64, 59, ?

- (A) 52 (B) 53
(C) 54 (D) 56

57. If 'WATER' is written as 'YCVGT', then what is written as 'HKTG'?

- (A) IRFE (B) FIRE
(C) REFI (D) ERIF

58.



- (A) 19 (B) 18
(C) 17 (D) 16

59. Find the mirror image?

VINAYAKA

- (A) INVAYAKA (B) AKAYAKIV
(C) AKAYANIV (D) AKAYANIV

60. If 'A' means '+', 'B' mean '-', 'C' means '÷' and 'D' means 'x', then $18 A 12 C 6 D 2 B 5 = ?$

- (A) 11 (B) 13
(C) 19 (D) 17