



Vivekananda World School

Bright Future Scholarship Program

Academic Session (2023-24)

Grade-7

General Instructions:

- There are 5 Sections
- Section –A Contains 15 questions in Science, Section – B 20 questions in English , Section –C 15 in Mathematics

All questions are Compulsory

There will be no negative marking

Section-A (Science)

- 1Q Scurvy is called due to deficiency of vitamins
A) A B) B C) C D) D
- 2Q Which is not a biotic component of environment?
A) Soil B) Bacteria C) Water D) Air
- 3Q Which is an example of a periodic motion?
A) Oscillation of a pendulum B) Motion of bus on road C) spinning top D) A stone dropped from certain height
- 4Q Which of the following is an ancient method for measurement?
A) Cubic B) Measuring tape C) Ruler D) Measuring rod
- 5Q Bouncing back of light from shining surface is called ...
A) Reflection B) Refraction C) Bending D) Dispersion
- 6Q Which of the following energy changes involves friction of force?
A) Kinetic energy to heat energy B) Potential energy to sound energy
C) Chemical energy to heat energy D) More than one of above
- 7Q. Which bone protects the brain?
A) Calcium B) The cranium C) The cerebrum D) The cerebellum
- 8Q When molten rock comes out the surface of earth , it is known as
A) Lava B) Magma C) Laccolith D) Metamorphic
- 9Q Ovum or eggs are formed in
A) Ovary B) Testes C) Penis D) Ovident
- 10Q Transfer of heat through horizontal movement of air is called
A) Radiation B) Advection C) Convection D) None
- 11Q. Which one of them helps in blood clotting ?
A) Vitamin A B) Vitamin C C) Vitamin D D) Vitamin K
- 12Q. The process of arousing sustaining and regularity activity is known as ...
A) Learning B) Motivation C) Habit D) Maturation
- 13Q What us the formula of speed ?
A) Distance covered /time B) Change in velocity/time
C) Change in moments/ time D) Change in time / velocity
- 14Q. What is called if a body posses only magnitude or size alone?
A) Speed B) Velocity C) Vector quantity D) Scaler quantity
- 15Q The weight of the human body is mainly made up of ?
A) Bones B) Skin C) Body parts D) Water

Section-B (English)

Direction: Read the passage and answer the questions that follow

Our ancestors had great difficulty in getting books. Now, our difficulty is what to read. There are books and books but our hours of reading are very few. Therefore, choice becomes essential. We should be very careful about what we read. There are books which poison our lives by suggesting evils. We should keep them at arm's length. We should read only those books which have stood the test of time. Such books are our great classics like the Ramayana and the Gita. They contain the wisdom of our sages and saints. They have appealed mankind from generation to generation. Reading of such books has ennobling influence on our mind and character. It gives us spiritual enjoyment. These books give us instruction with entertainment. They represent our ancient culture. They set before us high ideals to follow. They are our best friends, best guides and the best treasure.

16Q We should be selective because

- A) there is a great number of books available to us
C) there are only bad books in the market

- B) there is scarcity of books
D) none of the above

17Q We should avoid those books which

- A) cost high price
C) corrupt our lives by suggesting evils

- B) come in paperback
D) come in more than one volume.

18Q The books which have stood the test of time are called

- A) great books B) rare books

- C) biographies D) classics

19Q. What is /are special quality/qualities of classics?

- A) They affect our mind in a good way
(c) They help us in our spiritual growth

- B) They teach us something great and also entertain us.
D) All the above

20Q An expression in the passage which means 'good effect' is

- A) Spiritual enjoyment B) Ennobling influence

- C) high ideals D) very careful

Direction: (21Q-22Q) Choose the correct meaning of the idiom

21Q To bite the dust

- A) To be defeated in a battle

- B) To learn a lesson

- C) To be ashamed of

- D) To work very hard

22Q: Between the devil and the deep sea

- A) In a dilemma B) A man who is drowning C) To be evil tempered D) Close examinations
Direction: Attempt Questions 23 to 26) Fill in the blanks by choosing the correct option.

23Q: Last Sunday, I _____ at home

- A) had stayed B) stay C) stayed D) had been stayed

24Q: Our exams _____ next month.

- A) will start B) will be starting C) started D) had started

25Q: It _____ since morning

- A) will rain B) had been raining C) will be raining D) has rained

25Q: Zain will not pay _____ he is compelled.

- A) Until B) While C) Whether D) Unless

26Q: Many things have happened _____ I saw you.

- A) For B) Since C) So D) After

27Q: Antonym of 'Amateur'

- A) Expert B) Novice C) Teacher D) None of these

28Q: Synonym of 'Abandon'

- A) Serve B) Temporary C) Forsake D) Great

29Q: Are you feeling _____ better today?

- A) Very B) Too C) Any D) More

30Q: He works very _____ these days.

- A) Hard B) Hardly C) Scarcely D) Mostly

31Q: Divide the sweets _____ your classmates.

- A) Among B) Between C) With D) Over

32Q: The lion was killed _____ the hunter.

- A) With B) By C) From D) To

Direction: (33Q-35Q) Identify the kind of the sentence.

33Q: She will get the loan if she submits an application.

- A) Simple B) Compound C) Complex D) All of the above

34Q: I like coffee and Mary likes tea.

- A) Simple B) Compound C) Complex D) All of the above

35Q: We use _____ when it is clear from the context which one we mean.

- A) The B) A C) An D) All

Section-C (MATHS)

36Q: State the proper conditions under which one can construct a quadrilateral

- A) We are given one diagonal & length of 4 sides
B) We are given 3 sides & one diagonal
C) We have one diagonal & measurements of 2 sides
D) None

37Q: What percent of $\frac{2}{9}$ is $\frac{1}{45}$?

- A) 2.5% B) 5% C) 7.5% D) 10%

38Q: In 4:7:: 16: 28, 7 and 16 are called

- A) Extreme terms B) Middle terms C) Middle & Extreme terms D) None

39Q: Area of trapezium is 480 cm^2 , the distance between 2 parallel sides is 15 cm and one parallel side is 20 cm. Find other parallel side

- A) 20 cm B) 34 cm C) 44 cm D) 50 cm

40Q: Today is Monday, After 61 days, it will be

- A) Wednesday B) Saturday C) Tuesday D) Thursday

41Q: In grouped data, each of the group is called

- A) Class interval B) Collection of data C) Frequency D) Grouped frequency distribution

42Q: 1 cm is equal to how many millimetres ? A) 10

- B) 100 C) $\frac{1}{10}$ D) $\frac{1}{100}$

43Q: The factors of $x^2 + xy + 8x + 8y$ are

- A) $(x+y)(x+8)$ B) $(2x+y)(x+8)$ C) $(x+2y)(x+8)$ D) $(x+y)(2x+8)$

44Q: $(-1) \times (-1) \times (-1) \times \dots$ 2m times where m is natural number is equal to

- A) 1 B) -1 C) 1 or -1 D) None

45Q: The additive identity of integers is

- A) 1 B) -1 C) 0 D) None

46Q: Which is true ? A) $\text{XCVIII} > \text{MCVIII}$ B) $\text{DCVIII} < \text{MCVIII}$ C) $\text{DCVIII} = \text{MCVIII}$ D) $\text{XCVIII} < \text{LXXXVII}$

47Q: The product of predecessor and successor of an odd natural number is always divisible by

- A) 3 B) 4 C) 6 D) 8

48Q: A man goes to Mumbai from Pune at speed of 4 km/hr and returns to Pune at speed of 6 km/hr. What is his average speed of entire journey ?

- A) 4.8 km/hr B) 5 km/hr C) 4.2 km/hr D) 5.6 km/hr

49Q: 1, 2, 3, 10, ?, 9802

- A) 99 B) 199 C) 299 D) 999

50Q: A sum of Rs. 12,500 amount to Rs. 15,500 in 4 years at rate of simple interest. What is the rate of interest ?

- A) 3% B) 4% C) 5% D) 6%