



Vivekananda World School

Bright Future Scholarship Program

Academic Session (2023-24)

Grade-9

General Instructions:

- There are 3 Sections
- Section –A Contains 15 questions in Science, Section – B Contains 20 questions in English , Section –C Contains 15 questions in Maths.

All questions are Compulsory.

There will be no negative marking.

SECTION A

- The power house of cell is called
 - Cell wall
 - Mitochondria
 - Ribosomes
 - Nucleus
- Single celled organisms are called
 - Unicellular
 - Multi-cellular
 - Both of these
 - None of these
- Purest form of carbon is
 - Coal
 - Charcoal
 - Coke
 - All of these
- PCRA stands for
 - Public Conservations Research Association
 - Petroleum Conservation Research Association
 - Public Council of Research Association
 - Partial Counting of remaining Amendment
- Combines are used for:
 - sowing of seeds
 - harvesting the crops
 - threshing
 - harvesting and threshing both.
- Kharif crops are sown in
 - March, April
 - May, June
 - October, November
 - Any time.
- What kind of substances are known as lubricants
 - Increase friction
 - Decrease friction
 - Increase or decrease friction
 - None of these
- Lubricants _____
 - Increase friction
 - Reduce friction
 - Both (a) and (b)
 - None
- The shape of the airplane is like a
 - Blrd
 - Cat
 - Dog
 - All
- Lightening occurs due to
 - Electric discharge
 - Rain
 - Wind
 - Lord Varun's anger
- The charge acquired by a glass rod when it is rubbed with silk is
 - Negative
 - Positive
 - Both
 - None
- The species which are at the verge of the extinction
 - Endemic
 - Extinct
 - Endangered
 - None of these
- Part of earth which supports the biodiversity is called
 - Biosphere
 - Sanctuary
 - Ecosystem reserve
 - Biotic community
- The first man-made fibre is
 - nylon
 - polyester
 - rayon
 - cotton.
- The plastics which do not remould again on heating are called:
 - thermosetting plastics
 - thermoplastic plastics
 - both of these
 - none of these.

SECTION B

The choices we make on a daily basis—wearing a seatbelt, lifting heavy objects correctly or purposely staying out of any dangerous situation—can either ensure our safety or bring about potentially harmful circumstances.

You and I need to make a decision that we are going to get our lives in order. Exercising self-control, self-discipline and establishing boundaries and borders in our lives are some of the most important things we can do. A life without discipline is one that's filled with carelessness.

We can think it's kind of exciting to live life on the edge. We like the image of "Yeah! That's me! Living on the edge! Woo-hoo!" It's become a popular way to look at life. But if you see, even highways have lines, which provide margins for our safety while we're driving. If we go over one side, we'll go into the ditch. If we cross over the line in the middle, we could get killed. And we like those lines because they help to keep us safe. Sometimes we don't even realize how lines help to keep us safe.

I'm not proud of this, but for the first 20 years of my life at work, I ignored my limits. I felt horrible, physically, most of the time. I used to tell myself "I know I have limits and that I've reached them, but I'm going to ignore them and see if or how long I can get by with it." I ran to doctors, trying to make myself feel better through pills, vitamins, natural stuff and anything I could get my hands on. Some of the doctors would tell me, "It's just stress." That just made me mad. I thought stress meant you don't like what you do or can't handle life, and I love what I do. But I kept pushing myself, traveling, doing speaking engagements and so on— simply exhausting myself.

Finally, I understood I was living an unsustainable life and needed to make some changes in my outlook and lifestyle.

You and I don't have to be like everyone else or keep up with anyone else. Each of us needs to be exactly the way we are, and we don't have to apologize for it. We're not all alike and we need to find a comfort zone in which we can enjoy our lives instead of making ourselves sick with an overload of stress and pressure.

16. Which of the characteristics are apt about the writer in the following context: "I know I have limits and that I've reached them, but I'm going to ignore them and see if or how long I can get by with it." ?

- negligent
- Indecisive
- Spontaneous
- Reckless
- Purposeless
- patient

- 2 and 5
- 3 and 6
- 1 and 4
- 2 and 3

17. The reason why living on the edge has become popular, is because of the

- constant need for something different.
- population being much younger.
- exhausting effort to make changes.
- strong tendency to stay within our limits.

18. The phrase "potentially harmful circumstances" refers to circumstances that can

- certainly be dangerous
- be fairly dangerous
- be possibly dangerous.
- seldom be dangerous.

19. Choose the option that correctly states the two meanings of 'outlook', as used in the passage.

- A person's evaluation of life
- A person's experiences in life
- A person's point of view towards life
- A person's regrets in life
- A person's general attitude to life

- (1) and (4)
- (2) and (3)
- (3) and (5)
- (4) and (5)

20. Choose the option that best captures the central idea of the passage from the given quotes.
1. It's all about quality of life and finding a happy balance between work and friends. 2. To go beyond is as wrong as to fall short.
3. Life is like riding a bicycle. To keep your balance you must keep moving. 4. Balance is not something you find, it's something you create.
- A) Option (1) B) Option (2) C) Option (3) D) Option (4)
21. Antonym of 'Subservient'
- A) Straightforward B) Supercilious C) Aggressive D) Dignified
22. Antonym of Zest
- A) Callous B) Distate C) Restive D) Indifference
23. Synonym of defer
- A) Indifferent B) Defy C) Differ D) Postpone
24. of fostering
- A) Safeguarding B) Neglecting C) Ignoring D) Nurturing
25. Meaning of 'A man of straw'
- A) A man with no means B) A generous man C) A man of character D) A man of no substance
26. Meaning of 'Give cold shoulder'
- A) Shiver B) Cold meat C) To ignore D) To support
27. Idiom 'Homet's nest' means
- A) A bee's house B) A violent situation C) A busy house D) A dangerous place
28. Idiom 'Never-never land' means
- A) An ideal pace B) Dream land C) A worthless place D) A useless situation
- Change Speech** 29. I said to him, "Why are you working so hard?"
- A) I asked him why he was working so hard. B) I asked him why was he working so hard.
- C) I asked him why had he been working so hard. D) I asked him why he had been working so hard.
30. David said to Anna, "Mona will leave for her native place tomorrow."
- A) David told Anna that Mona will leave for her native place tomorrow. B) David told Anna that Mona left for her native place the next day.
- C) David told Anna that Mona would be leaving for her native place tomorrow. D) David told Anna that Mona would leave for her native place the next day.
31. Kiran asked me, "Did you see the Cricket match on television last night?"
- A) Kiran asked me whether I saw the Cricket match on television the earlier night.
- B) Kiran asked me whether I had seen the Cricket match on television the earlier night.
- C) Kiran asked me did I see the Cricket match on television the last night.
- D) Kiran asked me whether I had seen the Cricket match on television the last night.
- Change Voice** 32. The scheme permits investors to buy the shares from foreign companies.
- A) Under the scheme the investors may be permitted to buy shares from foreign companies.
- B) Under the scheme the investors have been permitted to buy shares from foreign companies.
- C) Under the scheme the investors are permitted to buy shares from foreign companies.
- D) Under the scheme the investors were permitted to buy shares from foreign companies.
33. Lie face-down stretch your arms in front.
- A) You are face down arms are to be outstretched B) You should be lying face down with arms outstretched.
- C) You should be lying face down let arms stretch out. D) Let face be down let arms be stretched out.
34. She will be rewarded for her kind deed.
- A) Her kind deed will reward her. B) Her kind deed will have re-. warded her.
- C) Her kind deed will be her reward. D) Her kind deed will have been her reward.
35. Complete the following sentences using an appropriate tense form. I _____ for his reply since last week.
- A) had been waiting B) have been waiting C) am waiting D) was

SECTION C

36. Additive inverse of $-\frac{2}{5}$ is
- A) $\frac{2}{5}$ B) $\frac{5}{2}$ C) $\frac{2}{-5}$ D) 0
37. Standard form of 0.000000789 is
- A) 78.9×10^{-8} B) 789×10^{-9} C) 7.89×10^{-7} D) None of these
38. Square root is the inverse operation of finding _____
- A) Square B) Square root C) numbers D) all of above
39. Cube root of 2744 is
- A) 16 B) 18 C) 14 D) 10
40. If $467x8$ is divisible by 3, then the value of x
- A) 1 B) 2 C) 3 D) 4
41. $21 : 18$ is equal to
- A) 26% B) 26.50% C) 26.25% D) 26.75%
42. The time in which Rs. 6000 amounts to Rs. 7986 at 10% p.a. compounded annually is
- A) Rs. 2000 B) Rs. 3 000 C) Rs. 4000 D) Rs. 5000
43. A tree is 12 m high casts a shadow of length 8 m. Height of the tree, whose shadow is 6 m in length is
- A) 6 m B) 9 m C) 15 m D) 10 m
44. $-50x^3y^2z^2$ divided by $-5xyz$ is equal to
- A) $10xyz$ B) $10x^2yz$ C) $-10xyz$ D) 0
45. Factors of $x^2 - 4xy + 4y^2$
- A) $(x - 2)(x + 2y)$ B) $(x - 2y)(x - 2y)$ C) $(x + 2y)(x + 2y)$ D) $(x - 2)(x - 2x)$
46. The sum of all exterior angles of a pentagon is
- A) 590° B) 360° C) 180° D) 240°
47. In the polyhedron $F = 17, V = 30$, then E is
- A) 3 B) 5 C) 7 D) 9
48. If the radius of a cylinder is doubled and height is halved, then new volume is
- A) same B) 2 times C) 4 times D) 6 times
49. Probability of getting a non red ball from a bag containing 4 red, 5 blue and 3 black balls is
- A) $\frac{1}{3}$ B) $\frac{2}{3}$ C) $\frac{1}{4}$ D) 1
50. Fifteen years from now Ravi's age will be four times his present age. What is Ravi's present age?
- A) 4 years B) 5 years C) 6 years D) 7 years