

Vivekananda World School Bright Future Scholarship Program Academic Session (2023-24)

| General Instructions: | | Grade-10 | |
|---|---|-----------------------------------|----------------------------------|
| There are 3 Sections | tions in Science, Section – B Cor y. rking. | | |
| Section –A Contains 15 ques | tions in Science, Section D. | | |
| in Maths. | - acction - B Col | ntains 20 questions in F | |
| All questions are Compulsor | v. | English , | Section -C Con. |
| There will be no negative ma | rking. | | Contains 15 questions |
| THE THE THE TANK | C | | |
| 1Q: The resistance whose V - I graph | is given below is Section-A (Sci | ence) | |
| ↑ | | | |
| 80- | | | |
| 度 o- ラ 3 | | | |
| 31 | | | |
| 0 5 10 15 20 I (ampere) | | | |
| 2000000 | and the second | | |
| (A) $5/3 \Omega$ | 3) 3/5 Ω | 0. | |
| 2 Q: The speed of a car weighing 1500 car? | kg increases from 36 long | C) 5/2 Ω | D) 2/5 O |
| car? | 30 km/n to 72 | km/h uniformly. What will be t | he change in mom |
| | | | |
| 3 Q: Find the potential energy stored (A) 121.20 J | in a ball of | C) 54000 kg m/s | |
| (A) 121 20 I | m a ball of mass 5 kg placed at a | height of 3 m above the ground | D) 54000 g m/s |
| 40: Which sound waves are in audible | D)147.15 J | C) 227.31 J | |
| 4 Q: Which sound waves are inaudible (A) Infrasonic | e to numan being | 0) 227.313 | D) 182.21 J |
| 5 O: The image shows the noth of | B) ultrasonic | C) amplitude | D. D. J. J. J. |
| 5 Q: The image shows the path of inci | dent rays to a concave mirror. | C) unpittide | D) Both (A) & (B) |
| | | | |
| Object | 1 | | |
| 1 | | | |
| C F | 0 | | |
| | / | | |
| Where would the reflected | | | |
| Where would the reflected rays meet for | or the image formation to take pl | ace? | |
| (A) Behind the mirror | B) Between F and O | C) Between C and F | D) Beyond C |
| 6Q: Which of the following reaction ca | in also be termed as a thermal de | | |
| (A) Combination reaction | B) Decomposition reaction | C) Displacement reaction | D) Double displacement |
| reaction | | | |
| 7Q: Pneumatic Structure contains : | | | no a mond Air |
| (A) Metal | B) Water | C) Wood | D) Compressed Air |
| 8Q: Which of the below is the disadvar | | 6) 6 1 6 | D) Span Length |
| (A) Ease of construction | B) Economy | C) Speed of construction | D) Span Length |
| 9Q: Which of the following is the corre | ect pair of atom and its atomic sy | mbol? | D) Sodium- S |
| (A) Sulphur – Su | B) Potassium – P | C) Phosphorus –P | D) Sodium 5 |
| 10Q: Which of the following statement | s about the electron is incorrect? | D) The mass of the electron is | equal to the mass of the neutron |
| A) It is a negatively charged particl | es | D) It is a constituent of cathod | e ray |
| C) It is a basic constituent of all | | D) It is a constituent of cathod | Citay |
| 11Q: The mode of nutrition in fungi | | (C) only parasitic | (D) none of above |
| (A) only saprotrophic | (B) saprotrophic or parasitic | (C) omy parasitic | (2) 1011 |
| | | | |
| 12Q: What is not possessed by bacte | eria? | (C)lealus | (D)all of these |
| (A) mambrane bound organelles | (B) nucleus | (C) nucleolus | (D)an or more |
| 13Q: Which section of DNA provides i | nformation for one protein: | (C)Tit | (D) Gene |
| (A) Nucleus | (B) Chromosome | (C)Trait | re short plants in the F2 |
| (A) Nucleus 14Q: In peas, a pure tall (TT) is crosse | d with a pure short plant(tt). The | e ratio of pure tall plants to pu | re short plants in the 12 |
| generation is: | | | |
| | (B) 3:1 | (C) 1:1 | (D) 2:1 |
| 15Q: A person sees an object closer to | his eyes. What changes will take | place in his eyes? | -11 |
| (A) the pupil size will expand | | (D) the chian i massive i | |
| (C) the focal length of the eye lens v | vill increase | (D) the light entering the | eye will be more |
| (C) the local length of the eye lens v | Section -B (English) | when wild arrest to get made | |
| 16Q : Rohan is so magnanimous that ev | ervone is always to help h | nim in his project. | |
| (1) | l amfluoriarisc | tt / icitictant | (D) ignorant |
| | count is in deficit it would imply | that its imports of goods and | services are higher than its |
| 17Q:a country's current acc | ount is in deficit, it would imply | that its imports of goods and | |
| income from exports and remittances fr | om non-residents. | (C) Halans | (D) If |

(C) Unless

(C) native

from India, he brought his Indian culture and traditions to the United States with him.

(B) Given

(B) immigrant

(A) As

18Q: Since my father was an

(A) emigrant

(D) If

(D) citizen

| 19Q: All as noun | D) All are mortal | | | |
|--|--|--|--|--|
| (A) He lost his an in specimen | B) All men are mortal | | | |
| (C) He was all alone when I saw him | D) All spoke in her favor | | | |
| | | | | |
| 20Q: Which is the expression that cannot be used for offering help | 0? | | | |
| (A) Can/May I help you? | B) I will help you | | | |
| | W III and like me to do that for YOU! | | | |
| Direct' | 1 1 1 made of the contense are numbered 2.1 of 76 The 1951 of the | | | |
| These four t | parts are not given in their proper order. | | | |
| The Course combinations in The Course to the | ar and indicate if in the Angiver-spect | | | |
| Y: 41 The Hound of Destruction of 11 of 1 Cal- | | | | |
| Q. But they spoke of seeing a huge, shadowy form of a hound at i | midnight on the moor. | | | |
| R. Nobody had not all tones of norror. | | | | |
| S. This shadowy form did not reveal any details about the animal. Z6. The Hound of Baskervilles remains an armony and the shadow of Baskervilles remains an armony and the shadow of Baskervilles remains an armony and the shadow of Baskervilles remains and the shadow of Baskervilles remains an armony of the shadow of the sh | | | | |
| Z6. The Hound of Baskervilles remains an unsolved mystery. (A) PQRS (B) PSRO | | | | |
| (A) PQRS (B) PSRQ (C) SPOR | (D) SPRQ | | | |
| V. Z.I. Ram Mohan D | | | | |
| Q. But this came to an C. Report against these measures. | | | | |
| R. He brought out a biling a little the chacument in 1823, of new me | easures for the control of the press. | | | |
| S. Later, desiring an all - India signalation and all - In | Persian, which was recognized then as the language of the cultured classes | | | |
| all over India. | Persian, which was recognized then as the language of the cultured charges | | | |
| Z6. Ram Mohan Roy even addressed a petition to the king – in – Cou | | | | |
| (A) QPRS (B) QSPR (C) RSPO | (D) SPOR | | | |
| 250: 21. Different countries about 100 | (b) 51 QK | | | |
| P. Many others have a high birth rate with a low death rate. Q. Some have a high birth rate with a low death rate. | | | | |
| | | | | |
| | | | | |
| S. Some others like the European nations have a low birth rate and a Z6. Compared to this in Europe the growth rate is low. | low death rate. | | | |
| (A) I VSK (B) OSPR (C) PCOD | (D) SPOR | | | |
| 24Q: Choose most similar of the word 'PLEASANTLY' | (D) SPQR | | | |
| (A) extremely (B) delightfully (C) charming | (D) friendly | | | |
| Directions (next 2 questions): Which of the phrases (a) (b) (c) an | d (d) given below each sentence should replace the phrase printed | | | |
| in, bold in the sellicite to make it grammatically correct? | | | | |
| 25Q: As Anuj was familiar with the road to Neeraj's house, he lead | the way. | | | |
| (A) led the way (B) led away (C) leading ways | (D) lead ways | | | |
| 26Q: Although he was new to the field of painting, Sharad give it a | | | | |
| (A) gave goes (B) gives his go (C) gave it a go | (D) giving it goes | | | |
| | and answer the questions given below it. Certain words/phrases have been | | | |
| printed in bold to help you locate them while answering some of the | rgest shop in the village, Sunil was a poor farmer. Both had large families, | | | |
| | | | | |
| with many sons, daughters-in-law and grandchildren. One day, Sunil, tired of not being able to make ends meet, decided to leave the village and move to the city where they were sure to make enough to feed everyone. They said their goodbyes, packed their few belongings and set off. | | | | |
| When night fell they stopped under a large tree. There was a stream | running nearby, where they could refresh themselves. Sunil told his sons | | | |
| to clear the area below the tree. He told his wife to fetch water. He is | nstructed his daughters-in-law to make up the fire and started cut-ting wood | | | |
| from the tree himself. Now in that branches of the tree sat a thief. H | e watched as Sunil's family worked together. He also noticed they had | | | |
| nothing to cook. Sunil's wife too thought the same, for she said to he | er husband, "Everything is ready. But what shall we eat?" Sunil raised his | | | |
| hands to heaven and said "Don't worry. He is watching all this from | a above. He will help us." | | | |
| The thief was worried. He had seen that the family was large and we | orked well together. Surely they did not know he was hiding in the branches. | | | |
| He decided to make a quick getaway. He climbed down swiftly who | en they were not looking and ran for his life But, he left behind his bundle | | | |
| of stolen jewels and money which dropped down into Sunil's lap. | le opened it and jumped with joy when he saw the con-tents. The family | | | |
| promptly gathered its belongings and returned to the village. There | was great excitement when they told everyone how they got rich. | | | |
| Puran thought this was a nice muck way to earn some money! He c | ommanded his family to pack some clothes and they set off as if on a | | | |
| journey. They stopped under the same tree and Puran started commi | anding everyone as Sunii had done. But no one in his family was willing to | | | |
| obey orders. They were used to having servants wait on them - so the | he one who went to the river to fetch water had a nice bath. The one who | | | |
| went to gather wood for the fire went off to sleep beneath the tree. | And Puran only ordered everyone about, not conversation that they had | | | |
| rehearsed carefully. Puran's wife said, "Everything is ready. But wh | nat shall we eat ?" Puran raised his hands upwards and said, "Don't worry. | | | |
| He is watching all this from above. He will help us". | averyone started running helter dealers to any the started | | | |
| At this, the thief jumped down from the tree, knife in hand. Seeing him, everyone started running helter skelter to save themselves. The thief stole everything. Puran and his family had to return to the village empty handed, having lost all the jewellery and gold they had taken with | | | | |
| | npty nanced, having lost an die Jewenery and gold they had taken with | | | |
| them. | 9 Land of the land of the Adams of the land of the lan | | | |
| 27Q: Which of the following cannot be said about Sunil's family | The first the state of the stat | | | |
| (a) They respected and obeyed Sumil. | | | | |
| (b) They were so poor that they sometimes had to starve. | | | | |
| (c) They had no friends in the village when they were poor. (A) None (B) Only (C) (C) Only (B) and (C) | D) Only(B) | | | |
| (A) None (B) Only (C) C) Only (B) and (C) | D) Olly(D) | | | |

| 28Q: Why did Sunil and his family decide to camp under the thief (A) Being a large family they knew they could capture the thief. (C) It was the only tree large enough to shelter the whole family. 29Q: What made Sunil utter the phrase, "He is watching all this from (A) He had spotted the thief and wanted to frighten him off. (C) It was a warning to his family meinbers to stick together. 30Q: How did the villagers react to Sunil's newfound wealth? (A) They tried hard to coax him to reveal the secret of his wealth (C) They pretended to be happy for him but were secretly jealous. | (B) It was a convenient spot to c (D) There was a stream nearby a om above"? (B) He was telling his wife to (D) He was begging the thief. | trust God to look after them. for help to feed his family. example and became more devout. | | | |
|--|--|--|--|--|--|
| Direction: Attempt (Q: 31 -33) Change the voice of the following se | entences | | | | |
| | | (D) He is looked after by | | | |
| 1. Whom does he look for? (A) He is looked after for whom? (B) Who is looked after for whom? | | y by in | | | |
| | | hone inspired by them? | | | |
| 2. Look at the poll results-do they inspire hope?(A) Let the poll results be looked is hope inspired by them?(C) Let the poll results be looked at-has hope been inspired by them? | (D) Let the poli results | poked at-is hope inspired by them? oked at-is hope being inspired by them? | | | |
| 3. They first sun-dried the garbage for one to three days to bring down | the moisture level. | | | | |
| - Lind for one to three days to Drilly HOWII | the motoria | | | | |
| the partiage came down which it was suit-dice | I IOI ONE | | | | |
| (C) One to three days of sun-drying brought down the moisture level of (D) The moisture level was brought down by sun-drying the garbage for | | | | | |
| (D) The moisture level was brought down by sun-drying the gardens | | | | | |
| III. Change the speech | | | | | |
| 1. The old man said, "God is everywhere." | | aid that God has been everywhere. | | | |
| (A) The old man said that God was everywhere. | (B) The old man said that God has been everywhere. | | | | |
| (D) The old mar | | n said that God is everywhere. | | | |
| (C) The old man asked that God is everywhere. | | | | | |
| 2. He said to me, "Were they going to school now?" | | -ine to school then. | | | |
| (A) He asked me if they had been going to school then. | (B) He asked me if they were going to school then.(D)He asked me if they have been going to school now. | | | | |
| | | | | | |
| (C) He asked me it they have been going to select | | | | | |
| Section —C (Mathematics) 36Q: A bag has 3 red balls and 5 green balls. If we take a ball from the bag, then what is the probability of getting red balls only? (A) 3 (B) 8 (C) 3/8 (D) 8/3 37Q: If a tower 6m high casts a shadow of 2√3 m long on the ground, then the sun's elevation is: (A) 60° (B) 45° (C) 30° (D) 90° 38Q: 30th term of the A.P: 10, 7, 4,, is | | | | | |
| | rs are: | | | | |
| (A) 97 (B) // (C) -// (B) 97 (C) -// | | | | | |
| 400. Angles of a triangle are in the ratio 2: 4: 3. The smallest angle of the triangle is | | | | | |
| (A) 20° (B) 40° (C) 60 (D) 60 (D) 60 (A) 20° (B) 40° (C) 60° (D) 60° (| tics? | | | | |
| (A) Lowercase Greek letters (B) Roman letters (C) A | Associated Roman alphabets | (D) Uppercase Greek letters | | | |
| (A) Lowercase Greek letters 42Q: Which method used to examine inflation rate anticipation, uner (A) Data exporting technique (B) Normal letters (C) 2 (B) Roman letters (B) Roman letters (C) 2 | (C) Forecasting technique | (D) Data supplying technique | | | |
| 430: A diagonal of a parallelogram divides it into two congruent: | (O) Timeles | (D) B+ | | | |
| (A) Square (B) Parallelogram 44Q: In a parallelogram, opposite apgles are: | (C) Triangles | (D) Rectangle | | | |
| (A) Ferrel (B) Unequal | (C) Cannot be determined | (D) None of the above | | | |
| 45Q: The sides of a triangle are in the ratio of 3: 5: 7 and its perimete (A) 1000√3 sq.cm (B) 1500√3 sq.cm | er is 300 cm. Its area will be: (C) 1700√3 sq.cm | (D) 1900√3 sq.cm | | | |
| 46Q: x²-x is polynomial. | (C) C-1:- | | | | |
| (A) Linear (B) Quadratic 47Q: The value of $f(x) = 5x-4x^2+3$ when $x = -1$, is: | (C) Cubic | (D) None of the above | | | |
| (A) 3 (B) -12 (C) -6 (D) 6 48Q: When the number 210 is increased in the ratio 5: 7, the new number is | | | | | |
| (A) 150 (B) 180 | (C) 294 | (D) 420 | | | |
| 49Q: If the weight of 12 sheets of thick paper is 40 grams, how many | sheets of the same paper would | d weigh 2500 grams? | | | |
| (A) 750 (B) 800 50Q: The surface area of cuboid-shaped box having length=80 cm, br | [(-1 4 30) | (D) 0.55 | | | |
| (A) 11200 sq.cm (B) 13000 sq.cm | (C) 13400 sq.cm | (D) 12000 sq.cm | | | |
| | | s / 12000 sq.cm | | | |