

# SUKUNA SECONDARY SCHOOL

Sundarharaincha-10, Morang  
Entrance Model Questions - 2082

Science Stream

Time: 2 Hours

- This model entrance question paper is designed for students applying to the science stream.
- The total 100 marks are distributed as follows: Science: 45 questions (15 each from Physics, Chemistry, and Biology), Mathematics: 25 questions, English: 20 questions, Nepali: 5 questions, and IQ: 5 questions.
- All questions are multiple choices (MCQs), and there is no negative marking for wrong answers.
- Candidates must tick (✓) the best option for each. If a candidate ticks more than one option for a single question, that answer will be considered incorrect.
- In this entrance model question paper, the questions are arranged sequentially by subject to help candidates understand the format; however, in the actual entrance examination, the questions may be arranged in a random order.

## Sample Question

Which of the following is a renewable source of energy?

- a. Petroleum      b. Natural gas      c. ✓ Solar energy      d. Coal

## Science Section

- Density of water in CGS unit is (CGS एकाईमा पानीको घनत्व कति हुन्छ?)  
a.  $1000 \text{ gm cm}^{-3}$       b.  $1 \text{ gm cm}^{-3}$   
c.  $13.6 \text{ gm cm}^{-3}$       d. none of above
- Which of the following is the vector? (तलमध्ये कुन भेक्टर राशी हो?)  
a. Torque      b. mass  
c. distance      d. volume
- Swimming is possible by the (पौडी खेल सम्भव के कारणले हुन्छ?)  
a. First law of motion      b. Second law of motion  
c. Third law of motion      d. Newton's law of gravitation
- Water stick on glass due to (सिसामा पानी टाँसिनुको कारणः)  
a. Cohesive force      b. Adhesive force  
c. Electrostatic force      d. Magnetic force
- Which of the following convert light energy into electrical energy (तलमध्ये कुनले प्रकाश ऊर्जालाई विद्युत् ऊर्जामा रूपान्तरण गर्छ?)  
a. Photo cell      b. bulb  
c. electric iron      d. None of above
- Gravitational field intensity near the earth surface is equal to (पृथ्वीको सतह नजिक गुरुत्व क्षेत्रको तीव्रता के सँग बराबर हुन्छ?)  
a. G      b. g  
c. m      d. R
- In third class lever, MA is always ..... 1. (तेस्रो श्रेणीको उत्तोलकमा यान्त्रिक फाइदा सधैं...१ हुन्छ?)  
a. less than      b. greater than  
c. equal to      d. all
- The gas thermometer are more sensitive than liquid thermometer because (ग्यास थर्मामीटर तरल थर्मामीटरभन्दा बढी संवेदनशील किन हुन्छ?)  
a. gases expand more than liquid      b. gas are easily obtained  
c. gases are much lighter      d. gases do not easily change their states
- The fastest mode of heat transfer is (ताप स्थानान्तरणको सबैभन्दा छिटो तरिका कुन हो?)  
a. Conduction      b. Convection  
c. Radiation      d. all of the above
- Voltmeter is connected in (भोल्टमिटरलाई कसरी जडान गरिन्छ?)  
a. Series      b. Parallel  
c. mixed      d. None of the above

11. At the neutral, the compass needle indicates (न्यूट्रल बिन्दुमा कम्पासको सुईले कुन दिशा देखाउँछ ?)
  - a. North
  - b. South
  - c. East
  - d. none
12. What remains unchanged for light during its refraction from one medium to another medium (प्रकाशको आवर्तन हुँदा कुन तत्व परिवर्तन हुँदैन ?)
  - a. Speed
  - b. wave length
  - c. Frequency
  - d. none
13. An air bubble in water behaves as (पानीभित्रको हावाको फोबाले कस्तो व्यवहार गर्छ ?)
  - a. Convex lens
  - b. Concave lens
  - c. Plane glass plate
  - d. Plano Convex lens
14. Frequency of dc is (DC को आवृत्ति कति हुन्छ ?)
  - a. 220 HZ
  - b. 50 HZ
  - c. 0HZ
  - d. 5HZ
15. The Dimensional formula of calorie is (क्यालोरीको मूलभूतकण्यलर्व सूत्र के हो ?)
  - a.  $[ML^2T^{-2}]$
  - b.  $[MLT^{-2}]$
  - c.  $[MLT^{-1}]$
  - d.  $[M^{-1}L^2T^{-2}]$
16. Which gas is evolved when Zinc reacts with dilute hydrochloric acid? (जब जिंकलाई पातलो हाइड्रोक्लोरिक एसिड सँग प्रतिक्रिया गराउँदा कुन ग्यास निस्कन्छ ?)
  - a. Oxygen
  - b. Hydrogen
  - c. Nitrogen
  - d. Carbon dioxide
17. Which of the following is non-metal? (तलका मध्ये कुन अधातु हो ?)
  - a. Iron
  - b. Copper
  - c. Sulphur
  - d. Aluminum
18. Which of the following is a chemical change? (दिएका मध्ये कुन रासायनिक प्रतिक्रिया हो ?)
  - a. Melting of ice
  - b. Boiling of water
  - c. Rusting of iron
  - d. Breaking of Gases
19. Which set of reactants would you use to prepare carbon dioxide gas in the lab? (प्रयोगशालामा कार्बनडाईअक्साइड ग्यास बनाउन कुन कुन रसायनको आवश्यकता पर्दछ ?)
  - a. Zn and  $CaCO_3$
  - b. Cu and  $CaCO_3$
  - c. Ag and NaOH
  - d.  $CaCO_3$  and dil. HCl
20. What is the main component of glass? (सिसाको मुख्य तत्व के हो ?)
  - a. Silicon dioxide
  - b. Calcium carbonate
  - c. Sodium chloride
  - d. Potassium nitrate
21. If a farmer wants to reduce chemical fertilizer use, what could be a better alternatives? (यदि एक किसानले रासायनिक मलको प्रयोग घटाउन चाहन्छ भने, त्यसको राम्रो विकल्प के हो ?)
  - a. Cement
  - b. Plastic
  - c. Organic compost
  - d. Glass powder
22. Which compound would decolorize bromine water? (कुन यौगिकले ब्रोमिन पानीलाई रंगहीन बनाउँछ ?)
  - a. Ethane
  - b. methane
  - c. Propane
  - d. Ethene
23. What is the valency of carbon? (कार्बनको संयुजता कति हुन्छ ?)
  - a. 1
  - b. 2
  - c. 3
  - d. 4
24. Suggest a method to prevent corrosion of Iron gates of your school. (तपाईंको स्कुलमा फलामको गेटमा खिया लाग्नबाट बचाउन कुन तरिका उपयुक्त होला ?)
  - a. Use gold coating
  - b. Keep them wet
  - c. Paint them regularly
  - d. Use plastic wrap
25. Which gas is essential for Photosynthesis? (प्रकाश शल्पेपणका लागि आवश्यक ग्यास कुन हो ?)
  - a. Carbon dioxide
  - b. Nitrous oxide
  - c. Hydrogen
  - d. Sulphur dioxide
26. Why is oxygen important for respiration? (श्वासप्रश्वासको लागि अक्सिजन किन महत्वपूर्ण छ ?)
  - a. It forms glucose
  - b. It breaks down carbon
  - c. It helps release energy from food
  - d. It cools the body

27. What is the chemical formula of common salt? (खाने नुनको रासायनिक सूत्र कुन हो ?)
- NaCl
  - KCl
  - NaOH
  - HCl
28. A student wants to test acidity of lemon juice. Which indicator should be used? (एउटा विद्यार्थीले कागतीको रसको अम्लीयपन पत्ता लगाउन चाहन्छ भने उसले कुन सूचक प्रयोग गर्दछ होला ?)
- Filter paper
  - Litmus paper
  - Salt
  - Sugar
29. A solution turns red litmus to blue and phenolphthalein to pink it is likely:  
(एउटा भोलले रातो लिटमस पेपरलाई निलोमा र फेनोल्फ्थालिन लाई बैजनी रंगमा लान्छ भने त्यो के हो?)
- Acid
  - base
  - salt
  - Neutral
30. Which gas is used in fire extinguishers? (आगो निभाउने यन्त्रमा कुन ग्यासको प्रयोग गरिन्छ ?)
- oxygen
  - Hydrogen
  - Carbon dioxide
  - Nitrogen
31. The scientific name of a pea is *Pisum sativum*. What does '*Pisum*' represent? (केराउको वैज्ञानिक नाम *Pisum sativum* हो। *Pisum* ले के जनाउँछ?)
- Species
  - Kingdom
  - Genus
  - Family
31. To which phylum does the earthworm belong? (गड्यौला कुन फाइलममा पर्दछ ?)
- Arthropoda
  - Mollusca
  - Annelida
  - Platyhelminthes
33. What is the primary function of the queen bee in a hive? (मौरीको घरमा रानी मौरीको मुख्य कार्य के हो?)
- To collect nectar
  - To defend the hive
  - To lay eggs
  - To build the honeycomb
34. Who is known as the "Father of Genetics" for his experiments with pea plants? (केराउको बोटमा गरेको प्रयोगका लागि कसलाई "आनुवंशिकीका पिता" भनेर चिनिन्छ ?)
- Charles Darwin
  - Gregor Mendel
  - Louis Pasteur
  - R.H. Whittaker
35. The genetic makeup of an organism is called its: (जीवको आनुवंशिक संरचनालाई के भनिन्छ?)
- Phenotype
  - Genotype
  - Allele
  - Chromosome
36. Which of the following is a sex-linked disease?
- Anemia
  - Diabetes
  - Haemophilia
  - Tuberculosis
37. The pulmonary artery is unique because it carries: (पल्मोनरी धमनी अनौठो छ किनभने यसले बोक्छ)
- Oxygenated blood away from the heart
  - Deoxygenated blood away from the heart
  - Oxygenated blood towards the heart
  - Deoxygenated blood towards the heart
38. A person's pancreas is unable to produce sufficient insulin. Which life process will be most directly affected? (एक व्यक्तिको प्यान्क्रियाजले पर्याप्त इन्सुलिन उत्पादन गर्न असमर्थ छ। यसले गर्दा कुन प्रक्रिया सबैभन्दा प्रत्यक्ष रूपमा प्रभावित हुनेछ ?)
- Digestion of fats
  - Regulation of blood sugar level
  - Production of red blood cells
  - Transmission of nerve impulses
39. During mitosis, a parent cell with 46 chromosomes will produce two daughter cells, each with:  
(माइटोसिसको समयमा, ४६ क्रोमोजोम भएको अभिभावक कोषले दुईवटा सन्तति कोषहरू उत्पादन गर्दछ, प्रत्येकमा कति क्रोमोजोम हुन्छ ?)
- 23 chromosomes
  - 46 chromosomes
  - 92 chromosomes
  - a variable number of chromosomes
40. Which gas is primarily responsible for the depletion of the ozone layer? (ओजोन तहको क्षयीकरणका लागि मुख्यतया कुन ग्यास जिम्मेवार छ?)
- Carbon dioxide (CO<sub>2</sub>)
  - Methane (CH<sub>4</sub>)
  - Chlorofluorocarbons (CFCs)
  - Sulphur dioxide (SO<sub>2</sub>)

41. Consider the food chain: Grass → Deer → Tiger. What does the tiger represent? (माघ श्रृंखलामाई विचार गर्नुहोस्: घाँस → मृग → बाघ। बाघले के प्रतिनिधित्व गर्छ?)
- Producer
  - Primary consumer
  - Secondary consumer
  - Decomposer
42. The process by which drone bees develop from unfertilized eggs is a form of asexual reproduction known as: (भाले मौरिहरू गर्भधान नभएको अण्डाबाट विकसित हुने प्रक्रिया, जुन एक प्रकारको अलैंगिक प्रजनन हो, त्यसलाई के भनिन्छ?)
- Metamorphosis
  - Parthenogenesis
  - Gametogenesis
  - Budding
43. What is the correct pathway of a nerve impulse in a simple reflex arc, such as pulling your hand away from a hot object? (तातो वस्तुबाट हात फिक्ने जस्ता साधारण रिफ्लेक्स आर्कमा स्नायु आवेगको सही मार्ग कुन हो?)
- Receptor → Effector → Spinal Cord
  - Receptor → Sensory Neuron → Spinal Cord → Motor Neuron → Effector
  - Brain → Motor Neuron → Effector
  - Effector → Motor Neuron → Sensory Neuron → Receptor
44. The runoff of excess fertilizers containing nitrates and phosphates from agricultural fields into a nearby pond can lead to a process called eutrophication. What is the most direct consequence of this process? (नाइट्रेट र फस्फेट युक्त मल बगेर नजिकैको पोखरीमा जाँदा युट्रोफिकेशन नामक प्रक्रिया हुन सक्छ। यो प्रक्रियाको सबैभन्दा प्रत्यक्ष परिणाम के हो?)
- The water becomes extremely cold
  - An increase in the fish population due to more food
  - A rapid bloom of algae, which upon dying and decomposing, depletes the water's oxygen
  - An increase in the water's transparency
45. A person suddenly encounters a snake and experiences a rapid heartbeat, increased breathing rate, and heightened alertness. Which hormone, released from the adrenal glands, is primarily responsible for this "fight-or-flight" response? (एक व्यक्तिले अचानक सर्प देख्दा उसको मुटुको धड्कन बढ्छ, श्वासप्रश्वासको दर बढ्छ, र ऊ सतर्क हुन्छ। एड्रिनल ग्रन्थिबाट निस्कने कुन हर्मोन यो "लड वा भाग" प्रतिक्रियाको लागि मुख्य रूपमा जिम्मेवार छ?)
- Insulin
  - Thyroxine
  - Adrenaline
  - Growth Hormone

### Mathematics Section

46. If  $n(A)=11$  and  $n(B)=18$ , what is the possible maximum value of  $n(A \cap B)$ ?  
यदि  $n(A)=11$  र  $n(B)=18$  भए  $n(A \cap B)$  अधिकतम मान कति होला ?
- 0
  - 11
  - 18
  - 29
47. The interest compounded semi-annually on Rs P for T years at R% p.a. is अर्धवार्षिक चक्रीय व्याज अनुसार रु P मा T समयका लागि R% व्याज दरले हुने व्याज? अर्ध
- $CI=P \left[ \left(1+\frac{R}{100}\right)^T - 1 \right]$
  - $CI=P \left[ \left(1+\frac{R}{200}\right)^{2T} - 1 \right]$
  - $CI=P \left[ \left(1+\frac{R}{300}\right)^{3T} - 1 \right]$
  - $CI=P \left[ \left(1+\frac{R}{400}\right)^{4T} - 1 \right]$
48. If the population of a municipality increases by 2% by birth and 3% by immigration every year, what is the rate of growth population? यदि कुनै नगरपालिकाको जनसंख्या प्रत्येक वर्ष जन्मको आधारमा २% र बसाइँसराइको आधारमा ३% ले बढ्छ भने, जनसंख्या वृद्धि दर कति हुन्छ?
- 5%
  - 6%
  - 10%
  - 4%
49. In a square pyramid, each side of a and slant height is then l the area of its triangular surface is (वर्गाकार पिरामिडमा, प्रत्येक भुजाको लम्बाई a र छड्के उचाइ l हुन्छ भने यसको त्रिभुजाकार सतहको क्षेत्रफल)
- al
  - 2al
  - $a^2+2al$
  - $a^2-2al$

50. The arithmetic mean between  $a$  and  $b$  is given by  $a$  र  $b$  बीचको अंकगणितीय मध्यमा

- a.  $\frac{a+b}{2}$  b.  $\frac{a-b}{2}$   
c.  $\sqrt{ab}$  d.  $\sqrt{\frac{a}{b}}$

51. The valuation of a bike is Rs 350,000 and it depreciates every year by 20%, what will be its value after 2 years? एउटा बाइकोको मूल्याङ्कन ३,५०,००० रुपैयाँ छ र यसको मूल्य प्रत्येक वर्ष २०% ले घट्छ भने २ वर्ष पछि यसको मूल्य कति हुनेछ?

- a. Rs 280000 b. Rs 224000  
c. Rs 179200 d. Rs 143360

52. A cone with base radius 12cm has 21cm height; its volume is आधारको अर्ध व्यास 12 cm र 21cm उचाई भएको सोलीको आयतन

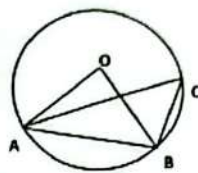
- a.  $3168 \text{ cm}^3$  b. 5544  
c.  $1245 \text{ cm}^3$  d.  $2112 \text{ cm}^3$

53. If  $2^{x+1} \times 3^{x-2} = 48$ , what is the value of  $x$ ? यदि  $2^{x+1} \times 3^{x-2} = 48$  छ भने,  $x$  को मान कति हुन्छ?

- a. -2 b. 2  
c. -3 d. 3

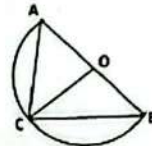
54. In the given figure, O is the Centre of the circle. If  $OA=AB$ , what is the measure of  $\angle ACB$ ? दिइएको चित्रमा, O वृत्तको केन्द्र हो यदि  $OA=AB$  छ भने,  $\angle ACB$  को नाप कति हुन्छ?

- a.  $60^\circ$  b.  $90^\circ$   
c.  $30^\circ$  d.  $45^\circ$



55. In the semi-circle given alongside O is the Centre. If  $OC=5 \text{ cm}$ ,  $BC=6 \text{ cm}$ , what is the length of  $AC$ ? सँगसँगै दिइएको अर्धवृत्तमा केन्द्र O छ। यदि  $OC=5 \text{ cm}$ ,  $BC=6 \text{ cm}$ , भए  $AC$  को लम्बाइ कति हुन्छ?

- a. 5 cm b. 6 cm  
c. 8 cm d. 10 cm



56. Which of the following is not the measure of central tendency? केन्द्रीय प्रवृत्तिको मापन निम्न मध्ये कुन होइन?

- a. mean b. median  
c. Mode d. Range

57. Two children were born in the interval of five years. What is the probability of the of alternatives sexes? पाँच वर्षको अन्तरालमा दुई बच्चा जन्मिए। वैकल्पिक लिङ्गको सम्भावना कति छ?

- a. 0.25 b. 0.5  
c. 0.75 d. 1

58. What is the altitude of the sun when the length of shadow of vertical pole is equal to its heights? ठाडो पोल को छायाको लम्बाइ यसको उचाइ बराबर हुँदा सूर्यको उचाइ कति हुन्छ?

- a.  $30^\circ$  b.  $45^\circ$   
c.  $60^\circ$  d.  $75^\circ$

59. If set  $A = \{1, 2, 3, 4, 5, \dots\}$  is given, then it represents: यदि समूह  $A = \{1, 2, 3, 4, 5, \dots\}$  दिइएको छ भने, यसले प्रतिनिधित्व गर्दछ:

- a. Whole numbers b. Rational Numbers  
c. Natural numbers d. Complex numbers

60.  $n^2 - 1$  is divisible by 8, if  $n$  is ..... यदि  $n$  ..... हो भने  $n^2 - 1$  लाई 8 भाग गर्न सकिन्छ

- a. an integer b. a natural number  
c. an odd integer d. an even integer

61. In which quadrant the value of  $\sin x$  is positive? कुन चतुर्थांशमा  $\sin x$  को मान धनात्मक हुन्छ?

- a. first and second b. first and third  
c. second and third d. third and fourth

62. If  $\vec{a}$  and  $\vec{b}$  are mutually perpendicular to each other then, what is the value of  $\vec{a} \cdot \vec{b}$ ? यदि  $\vec{a}$  र  $\vec{b}$  एकअर्कासँग लम्ब छन् भने, यदि  $\vec{a} \cdot \vec{b}$  को मान कति हुन्छ?

- a. 1 b. 0  
c. -1 d. 2

63. Find the  $2 \times 2$  matrix high transforms  $A(-3,1)$  to  $A'(3,1)$ .  $A(-3,1)$  लाई  $A'(3,1)$  मा रूपान्तरण गर्ने  $2 \times 2$  म्याट्रिक्स पत्ता लगाउनुहोस्।

a.  $\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$   
c.  $\begin{pmatrix} 0 & 0 \\ 1 & 1 \end{pmatrix}$

b.  $\begin{pmatrix} -1 & 0 \\ 0 & 1 \end{pmatrix}$   
d.  $\begin{pmatrix} 1 & -1 \\ 0 & 1 \end{pmatrix}$

64. What type of series is  $-2-5-8-11-\dots$ ? ( $-2-5-8-11-\dots$  कस्तो प्रकारको श्रेणी हो ?)

a. arithmetic  
c. harmonic

b. geometric  
d. both a and c.

65. If  $f(x+3)=3x+5$ , then find  $f'(2)$ . यदि  $f(x+3)=3x+5$  छ भने,  $f'(2)$  पत्ता लगाउनुहोस्।

a. 2  
c. 3

b. -2  
d. -3

66. If the intersection of plane is parallel to the generator of the cone, what conic section does it form? यदि प्रतिच्छेदित सतह सोलीको जेनरेटरसँग समानान्तर छ भने, यसले कुन प्रकार को कौनको भाग बनाउँछ?

a. Parabola  
c. Hyperbola

b. circle  
d. ellipse

67. The sum of the first eleven terms of AP is 198, find the sixth term of the series? AP को पहिलो एघार पदहरूको योगफल १९८ छ, सो श्रेणीको को छैटौँ पद पत्ता लगाउनुहोस्।

a. 10  
c. 15

b. 12  
d. 18

68. The equation of a straight line that passes through the point (3, 4) and perpendicular to the line  $3x+2y+5=0$  is (बिन्दु (3, 4) बाट जाने र रेखा  $3x+2y+5=0$  मा लम्ब हुने सरल रेखाको समीकरण)

a.  $2x-3y+6=0$   
c.  $2x-3y-6=0$

b.  $2x+3y+6=0$   
d.  $2x+3y-6=0$

69. For a data having mean 50 and coefficient of variation 38.42% calculate the standard deviation. (दिएको तथ्यांक मा मध्यक 50 र स्तरीय भिन्नता 38.42% छ भने स्तरीय भिन्नता निकाल्नुहोस्।)

a. 20  
c. 19

b. 19.21  
d. 20.5

70. The parabola  $y=x^2+4x+3$  intersects the x axis at two points. What is the sum of the x coordinates of these two points? पाराबोला  $y=x^2+4x+3$  ले x अक्षलाई दुई बिन्दुमा काट्छ। यी दुई बिन्दुहरूको x निर्देशांकहरूको योगफल कति हुन्छ?

a. 0  
c. -4

b. 2  
d. 4

### English Section

1. Read the given passage and do the tasks that follow.

Who do you think is the most successful? Who do you think is the least successful?

In order to answer these questions, we first need to define success. Everyone has a different definition. Many of us place great value on reaching various goals. Others associate success with material goods, measuring it by how much one can get. Others measure success by how much they can give to their families or the community. There are many other definitions, but mostly, success is related to becoming rich, famous, and respected at work. Yet, it doesn't have to be that way.

Being successful could mean simply being satisfied with oneself and one's career. For many people, a successful person is someone who feels that his or her work and life offer a high degree of success.

But how does one get from here to there? How does one reach his feeling of satisfaction with life and career? Successful people do two things: they use their abilities in their work and they set career goals.

In other words, successful people choose careers where they can use their abilities. For example, successful teachers are people who know how to help people learn, and the best doctors are those who know how to listen to people. Successful people know where they are starting from and what direction they want to give their lives, even if it is as simple as raising a happy family.



87. He enquired if I ..... his father.  
 a. were b. was  
 c. am d. are
88. I can do ..... you can.  
 a. that b. which  
 c. what d. who
89. A ..... of cattle is grazing.  
 a. group b. pride  
 c. herd d. pack
90. Ram, do the homework .....  
 a. himself b. hisself  
 c. yourself d. yourselves

### Nepali Section

91. 'डाक्टरले उसलाई औषधि दिए।' 'डाक्टरले' कुन कारक हो ?  
 क. सम्प्रदान ख. कर्ता  
 ग. करण घ. कर्म
92. 'म सुकुना पढ्छु।' यस वाक्यलाई तृतीय पुरुषमा बदल्दा कुन वाक्य बन्छ ?  
 क. तिमी सुकुना पढ्छौ। ख. तपाईं सुकुना पढ्नुहुन्छ।  
 ग. ऊ सुकुना पढ्छ। घ. हामी सुकुना पढ्छौ।
93. समास भएर बनेको शब्द कुन हो ?  
 क. बोलक्कड ख. भक्तल्यो  
 ग. प्रचार घ. राजदरवार
94. 'सङ्कट' शब्दको अर्थ कुनचाहिँ हो ?  
 क. शङ्का ख. सहज भएको अवस्था  
 ग. आपत्तिविवत् घ. संरक्षण
95. 'भाइ सधैं विद्यालय जान्छ।' यस वाक्यमा 'सधैं' शब्द कुन पदवर्गमा पर्दछ ?  
 क. नाम ख. सर्वनाम  
 ग. विशेषण घ. क्रियायोगी

### IQ Section

96. Find the next number in the series: 2, 3, 5, 9, 17,...? (श्रृंखलाको अर्को संख्या पत्ता लगाउनुहोस्।)  
 a. 31 b. 33  
 c. 35 d. 37
97. Find the odd one out from the following numbers: (तलका संख्याहरूमा कुन मिल्दैन?)  
 a. 27 b. 64  
 c. 125 d. 256
98. Find the next pair of letters in the series: AZ, BY, CX,...? (अक्षरहरूको श्रृंखलाको अर्को जोडी पत्ता लगाउनुहोस्।)  
 a. DU b. EV  
 c. DW d. FU
99. Ram walks 5 KM north, then turns right and walks 3 km. In which direction is he now from his initial position? (राम ५ कि.मि. उत्तरतर्फ हिँड्छ, त्यसपछि दायाँ मोडेर ३ कि. मि. हिँड्छ। अहिले उ सुरुको स्थानबाट कुन दिशामा छ?)  
 a. North b. East  
 c. North-east d. South-west
100. Water: Thirst::Food:.....? (पानी : तिर्खा :: खाना : .....?)  
 a. Energy b. Hunger  
 c. Eat d. Drink