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<u>KARNAL SHER KHAN CADET COLLEGE SWABI</u> <u>ENTRY TEST FOR CLASS – XI (2021)</u>

Marks	: 50 PAPER: CHEMISTRY	Time: 01 h
Note:	Attempt all questions in the "Answer Book" provided separately.	
Q-1:	Fill in the blanks by using correct answer.	(8)
i)	Sulpher is present in group in the periodic table.	
ii)	0.5 mole of water contain molecules.	
iii)	Complete and balance the reaction Pb (OH) ₂ + HCl	
iv)	The chemical formula of potash Alum is	
v)	The functional group of Aldehyde is	
vi)	Vitamin – D is also known as	
vii)	The rain having PH less than is called Acid rain.	
viii)	The blister copper is refined by process	
Q-2:	State the law of mass action. Write Kc expression for the following reactions.	(7)
	a. $N_2 + 3H_2 \rightleftharpoons 2NH_3$ b. $2So_2 + O_2 \rightleftharpoons 2So_3$	
Q-3:	Define mole. Calculate the number of moles in 60gm of water.	(7)
Q-4:	What is ionization energy? Place the following elements in order of increasing ionization	energy.
	Na, S, Mg, Ar	(7)
Q-5:	Define functional group. Write the functional group and general formula for the following	ngs:
	a. Alcohol b. Ketone c. Carboxylic acid d. Aldehyde	(7)
Q-6:	Define the following:	(7)
	a. Alkali elements b. Representative elements c. Transition elements	
	d. Lanthanide series e. Actinide series	
Q-7:	When the value of Kc is small how you can predict the direction of reaction.	(7)

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<u>KARNAL SHER KHAN CADET COLLEGE SWABI</u> <u>ENTRY TEST FOR CLASS – XI (2021)</u>

PAPER: PHYSICS

Marks	:: 50 Ti	ime: 01 hr
Note:	Attempt all questions.	
Q-1:	Fill in the blanks by using correct answer.	(8)
i)	One micro is equal to	
ii)	The unit of magnetic induction is	
iii)	Boolean expression for NAND Gate is	
iv)	Work done will be maximum when the angle between force and displacement is	
v)	One atmospheric pressure is equal to	
vi)	If the speed of a car decreases by half then the kinetic energy change by a factor	
vii)	The period of a second pendulum is	
viii)	The intensity level of faintest audible sound is given by	
Q-2:	When a tree is shaken, its fruits and leaves fall down why?	(7)
Q-3:	Why the moon is not falling on earth?	(7)
Q-4:	Show that $T=2\pi\sqrt{\frac{l}{g}}$?	(7)
Q-5:	The refractive index of diamond is 2.42. Find critical angle for diamond and glass?	(7)
Q-6:	How far apart must the charges of $+5\mu c$ and $-4\mu c$ to be in order that the charges attract	each othe
	with a force of 2.2N?	(7)
Q-7:	Write at least five properties of Alpha and Beta rays.	(7)

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KARNAL SHER KHAN CADET COLLEGE SWABI **ENTRY TEST FOR CLASS – XI (2021)**

	PAPER: WIATHS	
Marks	s: 50	Γime: 01 hr
Note:	Attempt all questions. Each question carries five marks.	
Q-1:	Fill in the blanks with suitable answer.	8)
i)	Base of natural log is	
ii)	$\sqrt{2x+1}-5=4$ is a equation.	
iii)	If $A \subseteq B$ then $A - B = \underline{\hspace{1cm}}$.	
iv)	Two sets A and B are if A \cap B = \emptyset	
v)	Two or more line segments are congruent if and only if they have	
vi)	Side opposite to right angle in a triangle is	
vii)	The internal angle at each vertex of a regular hexagon is	
viii)	The standard unit for the measurement of an angle is	
Q-2:	Solve the following for real x and y;	(7)
	(3-2i)(x+yi) = 2(x-2yi) + 2i - 1	
Q-3:	What should be added to $4x^3 - 10x^2 + 12x + 6$ so that it becomes exactly divisible by $2x + 6$	1 (7)
Q-4:	If two angles of a triangle are congruent, then the sides opposite to the are also congruen	it. (7)
Q-5:	Solve the equation $x^2 + \frac{7}{8}x + \frac{3}{32} = 0$ by completing square method.	(7)
Q-6:	Solve and check for extraneous roots, if any $\sqrt[3]{2x+3} = \sqrt[3]{x-2}$	(7)
Q-7:	If sinsin $\theta = \frac{1}{2}$ and θ lie in the second quadrant. Find remaining trigonometric ratios.	(7)

<u>KARNAL SHER KHAN CADET COLLEGE SWABI</u> <u>ENTRY TEST FOR CLASS – XI (2021)</u>

PAPER: BIOLOGY

Marks	: 50	Time: 01 hr
Note:	Attempt all questions.	
Q-1:	Fill in the blanks.	(8)
i)	The optimum temperature for enzyme activity in humans is	
ii)	Light reaction of photosynthesis occurs in of chloroplast.	
iii)	Synthesis of new DNA molecules takes place in phase of interphase.	
iv)	Re-absorption of solutes and water begins in the	
v)	Short sighted person cannot see objects clearly.	
vi)	Vascular layer of an eye is called	
vii)	The process of libration of ovum (egg) from the follicle of ovary is known as	
viii)	The process of transcription takes place in	
Q-2:	How does deforestation leads to desertification?	(7)
Q-3:	Briefly explain metabolism and its types?	(7)
Q-4:	What is reflex action? Explain with example?	(7)
Q-5:	Differentiate between cloning and apomixes?	(7)
Q-6:	Describe Mendel's law of segregation?	(7)
Q-7:	What is fermenter? Explain with example.	(7)

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KARNAL SHER KHAN CADET COLLEGE SWABI

ENTRY TEST FOR CLASS – XI (2021)

Max Marks: 50 PAPER: ENGLISH Time: 01 Hrs

Note: Attempt all questions in the "Answer Book" provided separately.

Q-1: Change the following statements in Passive Voice.

(5)

(i) He is cutting the trees.

- (ii) The Principal has addressed the Assembly.
- (iii) Let them solve their problems.
- (iv) Had she not taking tea?
- v) The footballer kicked the ball into the goal.

Q-2: Change the Narration.

(5)

- i) He said to me, "Akbar will arrive tomorrow".
- ii) Mother said to her son, "Work hard so that you get good marks".
- iii) Ali said to Aslam, "which book did you buy in the market".
- iv) I said to him, "Please, help me, I am in trouble".
- v) Aisha said to us, "Alas! My brother could not get good position in the exam".

Q-3: Translate the following paragraph into English.

(10)

علی ہر روز گھر کے باہر بیٹھا کر تاتھا۔اور راستے پر آتے جاتے لو گوں کو تنگ کر تاتھا۔اچانک ایک دن اُس کی ایک لڑکے کے ساتھ مُنہ ماری ہو گئی اور بات اس حد تک پہنچ گئی کہ بڑے در میان میں کھود پڑے۔دونوں اطراف نے خوب ایک دوسرے پر ہاتھ صاف کیئے۔آخر کار معاملہ گاؤں کے بڑوں کے پاس گیا۔ تفتیش کے بعد معلوم ہوا کہ یہ سب کچھ علی کی ایک خراب عادت سے شر وع ہوا تھا۔اگروہ گھر کے باہر راستے میں لو گوں کو تنگ نہ کر تا توابیا کبھی نہ ہوتا۔للذا گاؤں کے بڑوں نے علی کو خوب ڈانٹ یلائی۔اور دونوں گروپوں میں صُلح کرادی۔

Q-4: Read the following paragraphs and answer the questions in your English, given in the End. (10)

"Money, like knowledge, is power, giving its possessor the command of the services of others. It is desired to same extent by all, and necessary, under the present system of exchange, to the maintenance of life. If a man has money, he can provide himself with the necessaries, and it may be, with the luxuries of life; if he has no money, he can obtain neither. Money may also be regarded as a talent like other talents, possessed by some in greater degree than by others, and also, like other talents, carrying with it its peculiar responsibilities, as being capable of great good, and liable also to a great abuse. Even the poor, who have little money to spend, often put that little to a wrong use, while the rich have almost boundless opportunities of doing good, which are but too frequently neglected. Both rich and poor should formulate for themselves and follow certain rules to guide them in the expenditure of money".

QUESTIONS: (i) Why does the writer call money a power?

- (ii) What welfare can you do for the society, if you are a rich man?
- (iii) In what bad and good ways the poor and rich can use the money?
- (iv) What rules should we formulate for the use of money in a society?
- (v) Why does the writer call money a talent?

Q-5: Write your own Autobiography within 200 to 300 words.

(10)

Q-6: Write a story having the moral, "As you sow, so shall you reap".

(10)

Roll No. _____

كرنل شيرخان كيدث كالج صوابي

داخلہ امتحان برائے جماعت یازدہم (2021)

نمبرات:50		پرچه- اُردو			طه	وقت: 01 گھن
(6)			بالمعنی جملے بنائیں۔	ظ ومحاورات کے ہ	درج ذيل الفا	سوال: 1_
	اللِّيلَكِ كرنا تاثير	قدعن	مٹھی میں کر لینا	يورش	نصب العين	
(5)			رير-	ظ کے معنی تحریر ک	درج ذيل الفا	سوال:2_
	ستانا	سکت	ياس	فرقت	مر قع	
(5)				نلفظ واضح کریں۔	اعراب لگاکر [.]	سوال: 3_
	تعجب	امتحان	تدن	غلط	قيامت	
(4)	، مثال کھیے۔	به کی صرفایک ایک	فعل امر اور ماضی شکبر	ل متعدی،	فعل لازم، فع	سوال:4_
(5)		بنحوی کریں۔	یہ لکھ کراُن کی تر کیے	راسميه اور جمله فعل	ایکایک جملا	سوال:5_
(5)	ارين-	إنشبيهه كاوضاحت	وں کی مددسےار کانِ	مرادہے؟ دومثالو	تشبیهہ سے کی	سوال:6_
کے حل کے لیے تحاویز پیش	ئل تفصيلاً بيان كريں۔ نيزاُن _	۔ تے کے ٹریفک مسا	ثواست می ں اپنے علا	۔ پیس کے نام درخ	انسپگر جزل ب	سوال:7_
(8)	Y				کریں۔	
(12)	ين-	ممل مضمون تحرير كر	و(۲۰۰)الفاظ پر ^{مش}	وع پر کم از کم دوس	کسیا یک موض	سوال:8_
	,	رت	ـ وقت کیاہم ضرور	ناليجهتی۔۔۔۔۔	ا_ قوم	

۲ د بشت گردی۔۔۔۔ایک عالمی مسکلہ