

Entrance Examination - 2019 for Admission to 11th Class
Paper -A: ENGLISH

Total Marks: 100 (10)Q. No. 1 (A) Correct the following sentences. I. If you had come on time you would meet the chief guest, ii. By this time tomorrow, I will reach station. iii. I helped him to go upstairs. The cat jumped above the wall. ív. This is the young man that saved my life v. I saw him before he was married vi. vii. I know arif for a long time viii. She is having long hat: Ali works in a bank no. ix. x. I wish I helped everyone (B) Change the voice of the given sentences (10)Take iteasy 1. Did you ask him to post this letter? ii. By whom had he taken help form? iii. Please fulfil your responsibility. iv. The strike was called off by the labourer v. Change the narration of the following. (C) (10)He asked me not to do it. I. He said, "I purchased a new house last year". ii. "What did you eat for your breakfast", I said to Ali. iii.

(D) Use correct form of verb in brackets.

(10)

Date: 17 Jun 2019

I. I shall take you around the field when you (take) some rest

My mother proposed that I should apply for a bank loan.

"When will you return from office", I said to him.

- ii. The man reached (receive) his gift.
- iii. The bus (stop) before we stepped out.
- iv. I found my friend (wait) when I reached station.
- v. When did you (write) this essay.

Q. No. 2 Write an essay on any one of the following topics of about 50-200 works. (20)

1. Climate Changes.

iv.

v.

Time Allowed: 45 Min

- Write a letter to your friend sharing your feeling about your upcomig College life-its Q. No. 3 new experience, challenges and excitements. (15)
- Q. No. 4 Read the following passage carefully and answer the questions given at the end. (10)There are a few people in the world today who have brought more happiness to children than enid blyton. The children of Biritain love her and her books and so do most other nations, for her stories have been translated into many languages. Enid blyton is justly termed the "World's Stpru- Teller". But She is more than that. She is the guide, philosopher and friend of countless boys and girls amusing them by her stories standing for all that is right and fair, a person of complete sincerity who is fearless in her convictions and belief trusted aklike by parents and children.

Questions

- What do children of Britain love Enid Blyton? I
- What is she termed as? ii.
- How is she guide and friend of countless children? iii.
- What reward does Blyton get from Parents and Children? iv.
- What is she stand for?
- Develop the following lines into a complete Story Q. No. 5

(05)Ahmed was ten years old and sole son of Poor parents, living in a village near Rawalpindi. His father would to the city for work daily before dawn and return late in evening. One night his mother was very sick and this father had not returned home. it was raining heavily......

Translate any five of the following into English. Q. No. 6

> ا۔ آپ کومیری کتاب واپس کرنی چاہیے تھی۔ ٢ - اگرآپناران جاناچا بيج بين تو آپ كوايبك آباد ي گزرنا بوگا ٣ يتم نے كيا كيا؟ ۸۔ کاش کہوہ ایسے نہ کرتا۔ ۵_ اگرمیں وقت برآتا تو کھانا کھاتا۔

(10)



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Time Allowed: 45 Min

Paper -B: CHEMISTRY

Total Marks: 100 Date: 17 Jun 2019

 $(2 \times 15 = 30)$ Choose the correct answer and encirle it. Q. No. 1 Recognize the and exist in Mg0 a. Covalent c. Coordinate b. H-Bonding d. Ionic The B Point of water at mount Everest is c. 60 °C a. 50 °C b. 65°C d. 70°C Sodium react with cold water and forms. iii. c. NaOH+H2 a. Naz 0 b. NazCO3 d. NaH Which of the following halogen is strong oxidizin agent? c. Bra b. Cl2 d. F2 Which of the following is an alcohol? a. CH3- CH2- O CH2 c. CeHs - OH b. CH3 - CH2 - OH d. CH3- CH2- COOH For reversible reaction Kc= (c) which substance is produced of reaction [A][B] c. B a. A b. Both A and B d. C In the following reaction which species is donating an electron pair? NH3+ BF3 H3N-BF3 c. B a. H b. N d. BF3 viii. Which is reddish brown gas c. NO a. NO2 b. SO: d. 03 A physical and chemical reaction that occurs by itself is called a. Non-Spontaneous c. Spontaneous b. Exothermic d. Endothermic Lowest temperature is stratosphere is c. -55 °C a. -5 °C d. -55 ℃ b. 5 °C Which of the following group contain akaline earth metals? c. IIA a. IA d. VIII A xii. Numbers of neutron in13M23 are a. 13 c. 14 b. 27 d. 15 xiii. Bromine has melting point of -7°C and boiling point 59°C. What is physical state of bromine at 100°C a. Gas c. Liquid b. Solid d. Cannot be predicted xiv. What is mass of 5 meles of Hydrogen gas? c. 5.04g

d. 10.0089g

b. 10.08g



xv.	a. CN		NH ₃							
	b. H ₂ O	d.	H+							
). No. 2	Attempt any ten short qu	ıestions, answer shoul	ld not exceed to 3 line. (4 x 10=40)							
I.	Write formula of Chalcopyrite, Silica, Halite?									
ii.	How hardness is produced in water?									
iii.	Give general formula for Alkane, Alkene, Alkynes, Alkyl radical?									
iv.	State law of mass action?									
V.	K_c for the reaction is $K_c = \frac{NO_2}{N_2O_2}$ write chemical equation for the reaction and derive unit									
	Kc?									
vi.	What is global warming?									
vii. viii.	What is baeyer's test? Distinguish between mon	o, di and tri saccharide	s?							
ix.	Identify the group and period of the following elements on the basis of electronic configuration. I) $_{14}A^{28}$ ii) $_{16}B^{32}$ iii) $_{9}C^{19}$									
х.	Why an atom is electrically									
xi.	Why sodium has high I.E the	en potassium?								
xii.	What is carbonization?	1.6								
xiii.	Draw structure o glucose ar	id fructose.								
•	Attempt any one question	n	(30)							
A)										
I.	What is electroplating, Describe Tin-Plating.									
ii.	Define Galvonic cell? Write the reaction occur in Galvonic cell (Daniel Cell)									
B)	WILL A STATE OF THE		l'							
I.	What is evaporation? Explain why evaporation is cooling process?									
ii.	A Solution of NaOH has conc solution	entration 1.2 M. Calculat	te mass of NaOH in g/dm³ in this							



Entrance Examination - 2019 for Admission to 11th Class

Time Allowed: 45 Min **Total Marks: 100**

I.

Q. No. 1

Paper -C: PHYSICS

Head to tail rule c. Right hand rule d. Torque has no direction Left hand rule What will be the value of G, if mass of earth becomes four times. ii. c. Double a. One time Four time d. No change iii. Weight of the body of mass 10 kg on the surface of moon is 160N c. 16N b. 1.62N d. Zero If radius of the circle in which the object is moving is doubled, them centripetal accelaeration becomes c. Half Three times d. Four times Unit of amount of substance is Kelvin Mole Candela d. Ampere Walking on road is an example of vi. a. First Law Second Law b. Third Law d. Fourth Law

> viii. Release of energy by sun is due to Fission

vii. A spider web remains intact due to

Choose the correct answer and encircle it.

The direction of torque can be found by

Burning of Gas h.

50°C=

Weight

Tension

b.

ix.

122°F a. 278°F

If t=0, then the distance covered is

a. S=Vi

When two equal opposite and parallel forces acting at two points of the same body, then form

a. Torque Momentum

Moment of Couple d. Couple

d. Minimum

Momentum

Fusion

130° F

273 F

Zero

d.

None of these

d. Chemical Reaction

xii. When an object is resting on a smooth horizontal surface, weight of the object is balanced by

a. Normal reaction Friction

Torque Couple

xiii. Which one is an example of simple harmonic motion

Motion of Simple Pendulum Spinning of earth

c. Motion of celling fan d. Bouncing ball on a floor

Date: 17 Jun 2019

 $(25 \times 2 = 50)$

xiv.	Which of the following can be used to produce both transvers and longitudial waves?							
	a. A string	c.	54g					
	b. A helical spring	d.	A tuning fork					
xv.	The index of refraction depends upon	l						
	a. Focal length	c.	Speed of light					
	 b. Image distance 	d.	,					
xvi.	Which type of image is formed by a co	onver lei	ns on screen					
	a. Inverted, real	c.	Inverted, virtual					
	b. Upright, real		Upright, virtual					
xvii.	. If a ray of light in glass is incident on a	an airsui	rface at an angle greater than critical					
	angle, the ray will							
	a. Refract only		Inverted, virtual					
	b. Partially reflected	d.	Diffract only					
xviii	0 ;							
	a. 30°		45 °					
	b. 60°	d.	90 °					
xix.	Sin60°=							
	a. 0.5	c.	0.707					
	b. 0.866	d.	1					
xx.	One pico farad is equal to							
	a. 10 ⁻³ Farad	C	10 ⁻⁶ Farad					
	b. 10 ⁻¹⁹ Farad		10 ⁻¹² Farad					
xxi.								
	galvanometer will be	P						
	a. Maximum	c.	Minimum					
	b. Zero	d.	Between zero and maximum					
xxii.	Electrical power is given by							
	a. VI	c.	I ² R					
	b. V ² /B	d.	All of these					
xxiii	. Which of the following is not a derived	unit						
	a. Pascal	c.	Kilogram					
	b. Newton		watt					
xxvi.	If X=A, in case of AND gate, then X is 1 v	when						
	a. A and B are 1	c.	A or B is 0					
	b. A is 1, B is 0	d.	A is 0, B is 1					
XXV.	One of the isotopes of uranium is 92U ²³⁸		[목대화 [12] [14] [14] [14] [15] [16] [16] [16] [16] [16] [16] [16] [17] [17] [17] [17] [17] [17] [17]					
	a. 92		146					
	b. 238	d.	330					
Atte	empt all questions		(3 x 10=30)					
xiv.	Will a vector be zero if one of its compe	onets is						
xv.	What is the direction of motion of an o							
xvi.	A capacitor hold 0.06C of charge when							
	capacitance of capacitor							
Att	empt all questions		(2 x 10=20)					
	What is thermometer? Why mercury is p	referred	뭐 그렇다 내고 말이 되는데 네. 나가 하시하지 않아 있다면 하게 하는데 살아지고 하는데 박 생녀야 하다.					
	What is the effect of emission of alpha, be							
	mass number of a redioactive element?		•					

Q. No. 2

Q. No. 2

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Time Allowed: 45 Min

Paper -D: BIOLOGY (For Medical Students)

Date: 17 Jun 2019 **Total Marks: 100** Q. No. 1 Choose the correct answer and encircle it. $(2 \times 10 = 20)$ During which phase of mitosis spindles are formed? c. Interphase a. G2 d. Prophase Metaphase b. The death of heart tissues is called a. Myocardial infarction c. Thalassemia d. Atherosclerosis b. Arteriosclerosis Sulphonamides affect bacteria in the following way iii. a. Break cell wall c. Inhibit protein synthesis d. Stop the synthesis of folic acid Stop the synthesis of new cell wall Which one of the following is NOT the characteristics of wind pollinated flowers? a. Flowers hang down c. Stigma feathery d. Stamen enclosed inside ring of petal b. Petals green Process of conversion of simple absorbed and into complex compounds that became part of the body is called as a. Digestion Assimilation b. Ingestion d. Absorotion The vector DNA and the attached gene of interest are collectively called νi. a. Re combination DNA c. Transplant DNA b. Translated DNA d. Tran Scripted DNA Which of the following organs of our body destroys old red blood cells (RBCs) a. Lung b. Kidney d. Liver viii. All of these are hormones except a. Insulin c. Pepsinogen b. Thyroxin d. Glucagon Macrospores form the a. Make gametophyte Ovary b. Female gametophyte d. Ovule The best example of co dominance is ABO blood group c. b. RH blood group d. Pea Note: Attempt any four of the following $(4 \times 20 = 80)$ Write detailed note on nucleus (10)Q. No. 2 a) Explain the effects of temperature and substrate concentration on rate of enzyme b) action. (10)Explain the male reproductive system of Rabbit (10)O. No. 3 a) (10)Write not on Binary Fission in bacteria and budding b) (10)Explain in detail the structure of Human Stomach. Also draw diagram Q. No. 4 a) (10)Explain the structure and function of Nephron. b) (10)What are antagonistic Muscle, explain their working with an example Q. No. 5 a) (10)Write note on Pituitary Glands. b) (10)Explain the structure of Human heart. Q. No. 6 a)

What are antibiotics? Explain their types.

b)

(10)



Time Allo	wed:	45 M									e-Engg Students)		
Total Mar	ks: 10	0									Dat	te: 17 Jun	1 2019
Q. No. 1	Fill in the blanks with a						appropriate words given in brackets					(2 x 5 = 10)	
	I	If	6:m :	:9:12,	, the v	alue of	f m wil	l be					
		a.	8								18		
	::	b.	9 o lon	ath of	Foodb	rido of	fa rom	ılar octa		. 4	4 cm, its perimeter is		
	ii.	a.	24c		each	Sittle Of	aregu	ııaı octaş			27cm		
		b.	9cn								18cm		
	iii.	An	gle in	scrib	ed in	semi-	-circle	is					
		a.	$\pi/2$								π/3		
			$2\pi/$								$\pi/4$		
	iv.			-		20,08	don a	x2+bx+c=			quation is called		
		a.		ndard							Pure		
	v.	b. If t	•	onen		I.I. Kerm	and 2	cm touch			Reciprocal nally then the dista	nce hetwo	een
	٧.				equal		and 2	om toden	ies exu	CI	many then the diste	mee been	
		a.	8		-1				c.	4	1		
		b.	6						d.	2	2		
Q. No. 1 B	Fill	in tl	ne bl	anks.								(2 x !	5 = 10)
	I	Sin ²	30/	2 + C	os²3A	2 =			<u>~</u>				
											*!		
	ii. Tge number of methods to solve a quadratic equation are												
	iii. If b^2 - 4ac=0, then roots of $ax^2 + bx + c=0$ are												
	iv. If $\alpha\beta$ are the roots of $5x2+3x-9=0$, then product of roots is												
	v.	A lin	e wh	ich ha	as two	point	s in co	mmon w	ith a c	irc	cle is called	shirt I m	-
Q. No. 2	Dace	alve	x	- 11	— int	o part	ial fra	ction					(10)
Q. 140. Z	Rest	,,,,	(x-4))(x +	4) ''''	o part	ai ii a	ction.					(10)
Q. No. 3						+ 51-x :							(15)
Q. No. 3		-		divi	sion,	solve t	the eq	uation 3	x ³ -11x	x2+	+5x+3=0 when 3 is	s the root	of
	equa	ition											(10)
Q. No. 5	Find	a &	b of ([3-2a	, b-1)	=(a-7,	2b+5)						(10)
Q. No. 6	Solve	$\frac{(x)}{(x)}$	+5) ³	-(x-	$\frac{-3)^3}{3)^3}$	$=\frac{13}{4}$							(15)
Q No. 7	If U=	N, th	en v	erify	De-M	lorgan	's Law	by usin	g A=∳	ab	bd B=P.		(10)
Q No. 8					s 12n	n. Find	the le	ength of	an arc	c w	which subtends a	central ar	
	0=1.	э га	uian.										(10)