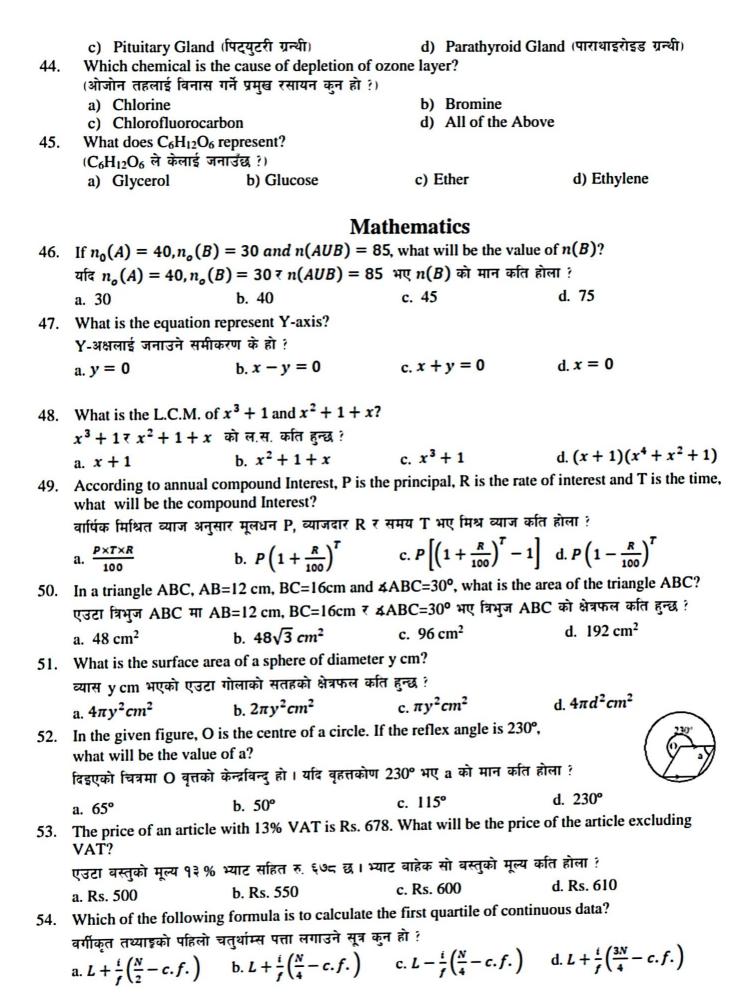
Diploma /Certificate Level Entrance Exam-2081 (Model Question Paper)
Full Marks: 70 (70*1=70)
Time: 1 hr.45 minutes.

	Englis	sh			Set A	
1.	I generally get my clothes at Tony's.					
	a) ironing b) to be ironed	c)	ironed	d)	to iron	
2.	This street is blocked for few days. A bridge		ahead.			
	a) is constructed b) is being constructed			d)	construction	
3.	Neither the officer nor his assistants been			awfi	ul work.	
	a) have b) has		had had		having	
4.	They say measles out in this village.					
	a) has broken b) having broken	c)	have broken	d)	have been broken	
5.	I never use euphemism. My sentences ar	e si	mple and direct.			
	a) a b) an		some	d)	the	
6.	I have never answered difficult question.					
	a) such b) such a	c)		d)	such an	
7.	People say that he had been a criminal in	n his	youth.			
	a) famous b) notorious		renowned	d)	reputed	
8.	Which of the following sentence is correct?					
	a) Your trousers are loose at the waist.	b)	Your trousers are l	oos	e at the waste.	
	c) Your trousers are loose at the west	d)	Your trousers are l	oos	e at the weight.	
9.	No one likes rude behaviours,?					
	a) isn't it b) doesn't he		•	d)	do they	
10.						
	a) put down	b)	put off			
	c) put out	d)	put on			
11.	Can you tell me from here?					
	a) how far the boarder is	b)	how far is the boar	der		
	c) how far is the boarder		how the boarder is			
12.	They entered the building by night and n	nade	away with all valua	able	s.	
	a) in b) into		on	d)	no preposition	
13.	We always play golf on Sundays.					
	a) the b) no article	c)	a	d)	some	
14.	There are students in my class than in yo	ur c	lass.			
	a) less	b)	few			
	c) fewer	d)	lesser			

15.	The dietician me to have unhy	gienic food.	
	a) advised b) forbid	c) suggested	d) asked
16.	The vermin dangerous but diffi	icult to control.	
	a) are b) is	c) being	d) having been
17.	Father made me the money he		,
	a) to count b) counting	c) count	d) counted
18.	Happy Birthday, Rashmi	c, count	d) country
10.	a) ? b) .	a) ·	d) !
10		c) :	u) :
19.	The correctly spelt word is	-Xt-:	4)
•	a) maintenance b) maintainence	c) mentaince	d) maintence
20	You'd better leave now,?		
	a) wouldn't you b) hadn't you	c) didn't you	d) won't you
		Science	
21.	Which of the following is not fossil fuel		
21.	Which of the following is not lossif fuci		
	(तलका मध्ये कुन जीवाशेष इन्धन <u>होइन</u> ?)		
	a) Biomass	b) Coal	
	c) Diesel	d) Petroleum	
22.	Which hormone helps to control the amo	ount of sugar in blood?	
	(कुन हर्मोनले रगतमा चिनीको मात्रा घटाउन मह		
	a) Thyroxin	b) Insulin	
	c) Adrenalin	d) Androgen	
23.	What is the average radius of the earth?	u, imaiogen	
25.	(पृथ्वीको औसत अर्धव्यास कति हुन्छ ?)		
	a) 6000 km	b) 6000 m	
		d) 6400 m	
24	c) 6400 km	The state of the s	
24.	Which one of the following blood cells l	kins the invading germs?	
	(तलका कुन चाहिँ रक्तकोपले शरीरमा आक्रमण		
	a) RBC	b) WBC	
	c) Platelets	d) Both 'a' and 'b'	
25.	Which gas is used in photosynthesis pro-	cess?	
	(प्रकाश संश्लेषण प्रक्रियामा प्रयोग हुने ग्याँस कुन		
	a) H ₂	b) O ₂	
	c) N ₂	d) CO ₂	
26.	What is the power of a convex lens having	ng focal length 50 cm?	
	(५० से.मी. केन्द्रीकरण दूरी भएको कन्भेक्स लेन्स	को सामर्थ्य कति हुन्छ ?)	
	a) $+2D$ b) $-2D$	c) + 1D	d) -1D
27.	Which one is the main ore of copper?		
	(तामाको प्रमुख धाउ कुन हो ?)		
	a) Bauxite b) Chalcopyrite	c) Haematitie	d) Limonite
28.	How many chromosomes are in human?		
20.	(मानिसमा कति वटा कोमोजोमहरु हुन्छन् ?)		
	a) 22 b) 23	c) 46	d) 64
29.	Mass of body on the earth is 100 kg. Wh		,
29.	(कुनै वस्तुको पिण्ड पृथ्वीमा १०० के.जी. छ। च	ज्यामा सो वस्तको प्रिपट कृति है	तिस् १)
			INI : /
	a) 600 kg	b) 100 kg	
••	c) 60 kg	d) 10 kg	
30.	Which is the SI unit of temperature?		
	(तापक्रमको SI एकाइ कुन हो ?)		1) 0.5
	a) Ioule b) Kelvin (K)	c) °C	d) °F

31.	Which alkali is used to balance the pH					
	(मानिसको पेटको pH सन्तुलन गर्न प्रयोग गरिः		_			
				um Hydroxide [M	g(OH	[)2]
	c) Sodium oxide (Na ₂ O)	d)	Calcium	oxide (CaO)		
32.	Neuron is related to					
	(न्युरोन सित सम्बन्धित छ ।)					
	a) Respiratory System			ory System		
	c) Nervous System		Urinary S			
33.	Which layer of the atmosphere is impor-	tant f	for telecor	nmunication?		
	(सञ्चारका लागि महत्त्वपूर्ण मानिने वायुमण्डली	य तह	कुन हो ?)			
	a) Troposphere (निम्न मण्डल)	b)	Stratosp	here (समताप मण्डल)	
	c) Thermosphere (तापीय मण्डल)	d)	Exosphe	re (वाह्य मण्डल)		
34.	Which of the following is a liquid meta	1?				
	(तलका मध्ये कुन चाहिँ तरल धातु हो ?)					
	a) Mercury (पारो)	b)	Copper	(तामा)		
	c) Lead (सिसा)	d)	Diamono	<u>।</u> (हिरा)		
35.	Which is the chlorinated insecticide?					
	(क्लोरिनयुक्त कीटनाशक औपधी कुन हो ?)					
	a) Malathion (मालाथियन)	b) l	Parathion	(पाराथियन)		
	c) Baygon (बेगन)	d) 1	DDT (डिडि	इटी)		
36.	Which is the molecular formula of meth	nane?	?			
	(मिथेनको अणु सूत्र कुन हो ?)					
	a) CH ₂		CH ₃			
	c) CH ₄		C_2H_2			
37.	The process of getting new plant by co	ombi	ning shoo	t system of one pl	ant o	n the root system of
	closely related plant is called					
	(बोटबिरुवाका दुई भिन्नभिन्नै भागहरु आपसमा				š	भनिन्छ ।)
	a) Grafting		Layering			
	c) Tissue Culture		Sporulat			
38.	How much is the standard atmospheric	press	sure at the	sea level?		
	(समुद्र सतहमा हुने स्ट्यान्डर्ड वायुमण्डलीय चा	प कात	हुन्छ !)	••		
	a) 750 mmHg		760 mm			
•	c) 770 mmHg		780 mm			
39.	The electronic configuration of an elem	2C2	S 15 , 25 , जन्मे	, 2p, ऽठ . ॥ ।ऽ हो ।	••••	
	(कुनै तत्त्वको इलेक्ट्रोन विन्यास 1S ² , 2S ² , 2p ⁶		Non-metal			
	a) Metal (ধার্)			as (निस्क्रिय ग्याँस)		
10	c) Metalloid (अर्घधातु) What is the distance in one light year?	u) I	MII IIICIT O	as (1-11/4)-4 (41/1)		
40.	(एक प्रकाश वर्षमा कति दूरी हुन्छ ?)					
	a) 9.46×10 ¹⁵ Km	b)	9.46×10	¹⁰ Km		
	c) 9.46×10 ²⁰ Km	,	9.46×10			
41.	"Liquid exerts pressure on all sides". The	,				
41.	("तरल पदार्थले चाप चारैतिर उत्पन्न गर्दछ" य	T	सित सम	विश्वित छ ।)		
	a) Pascal's Law b) Plawan's			Ohm's Law	d)	Archimedes Law
42.	Which wire is used in filament bulb?		-,		•	
72.	(फिलामेन्ट बल्बमा प्रयोग हुने तार कुन हो ?)					
	a) Aluminium Wire b) Copper W	ire	c)	Iron Wire	d)	Tungsten Wire
43.	Which gland is known by master gland					
	(नाइके ग्रन्थीको नामले चिनिने ग्रन्थी कुन हो ?)				•
	a) Salivary Gland (ऱ्याल ग्रन्थी)		b)	Thyroid Gland (था	इरोइड	(ग्रन्थी)



55.	What are the factors of	$ab^2 - b(a-c) - c?$				
	$ab^2-b(a-c)-c$ को गुणनखण्डहरु के-के हुन् ?					
	a. (b-1)(ab-c)	b. (b-1)(ba+c)	c. (b+1)(ab-c)	d. (b-1)(a-bc)		
56.	What is the relation be	tween the radius and tang	ent line at the point of co	ontact of a circle?		
	कुनै वृत्तको स्पर्शविन्दुमा अध	र्थव्यास र स्पर्शरेखा वीचको सम	बन्ध के हुन्छ ?			
	a. Parallel	b. unequal	c. perpendicular	d. Alternate		
57.	either a red card or an a	ace?		bility that the card drawn is		
	राम्ररी फिटिएको ५२ पत्ती त सम्भाव्यता कति हुन्छ ?	तासको गड्डीबाट एउटा तास	निकालियो । उक्त तास रातोर	डगको पर्ने वा एक्का पर्ने		
	a. $\frac{4}{13}$	b. 6/12	c. $\frac{7}{13}$	d. 15		
58.		e area of an equilateral tr	iangular based prism?	26		
		हो प्रिज्मको पुरा सतहको क्षेत्रफ	-			
	• •	b. $\frac{\sqrt{3}}{2}a^2 + ah$		$d. \ \frac{\sqrt{3}}{2}a^2 + 3ah$		
59.	What is the name of in	strument to measure angle	e of elevation and depres	ssion?		
	उन्नतांश कोण र अवनति व	कोण नाप्ने यन्त्रलाई के भनिन्छ	?			
	a. Hydrometer	b. Barometer	c. Clinometer	d. Telescope		
60.	An angle which is formed after observing from the top of a hill 51.7m high to the top of a pole 7.7m high is called					
	51.7m अग्लो पहाडको दुप्प भनिन्छ।	ोवाट ठीक अगाडी रहेको 7.7।	m अग्लो एउटा खम्वाको दुप्पो	अवलोकन गर्दा बन्ने कोणलाई		
	a. angle of elevation	b. angle of depression	c. angle of alternate	d. angle of corresponding		
61.	If mean $(\bar{x}) = 10$, Σf will be the value of N?		terms $(n) = 10 + 2a$ of	a continuous series, what		
	यदि कुनै अविछिन्न श्रेणीको मान कति होला ?	मध्यक $(\bar{x}) = 10$, $\Sigma fm =$	= 200 र पदहरुको सङ्ख्या (1	ı) = 10 + 2a भए N को		
	a. 5	b. 10	c. 20	d. 40		
62.	discount of 10% is give					
	१३% भ्याट सहित एउटा र कति रहेछ ?	सर्टको मूल्य रु. १३४६ पर्दछ । र	पदि १०% छुट दिइएको रहेछ	भने सो सर्टको अड्कित मूल्य		
	a. Rs. 1300	b. Rs. 1333	c. Rs. 1333.33	d. Rs. 1334		
63.	If $\frac{1}{a} + \frac{1}{b} = \frac{1}{c}$ and $ab =$	c, what is the average of	a and b?			
	$\text{ ufit } \frac{1}{a} + \frac{1}{b} = \frac{1}{c} \neq ab = 0$	c भए a र b को औसत कति	हुन्छ ?			
	a. 0	b. $\frac{1}{2}$	c. 1	d. $\frac{a+b}{c}$		
64.	The given figure is a so what will be the volum	quare based pyramid. If One of the pyramid?	B=10cm and DC=12cm			

दिइएको चित्र एउटा वर्गाकार आधार भएको पिरामिड हो । यदि OB=10cm

b. 96 cm³

र DC=12cm भए पिरामिडको आयतन कति होला ?

a. 48 cm³

d. 192 cm3

c. $96\sqrt{7}cm^{3}$

65. In a triangle ABC, AB = 18 cm and AC = 20 cm. If the area of $\triangle ABC$ is $90\sqrt{3}$ cm², what will the value of $\angle BAC$? एउटा त्रिभज ABC मा AB = 18 cm र AC = 20cm छन्। यदि $\triangle ABC$ को क्षेत्रफल $90\sqrt{3}cm^2$ भए $\triangle BAC$ को मान कति होला ? a. 30° b. 45° d. 90° c. 60° 66. A motorcycle can travel 400 Km per 10 liters' petrol. How many kilometers does it travel with 3 liters of petrol? (एउटा मोटरसाइकल प्रत्येक १० लिटर पेटोलले ४०० किलोमीटर पार गर्दछ भने तीन लिटर पेटोलले सो मोटरसाइकल कति किलोमीटर पार गर्दछ ?) a) 100 Km b) 110 Km c) 115 Km d) 120 Km 67. At what rate of percent per annum will the principal be ¾ of the amount in 5 years? (प्रतिवर्ष कित प्रतिशत व्याजदरले पाँच वर्षपछि मुलधन मिश्रधनको तीन चौथाइ हुन्छ ?) c) $\frac{25}{6}$ % 68. What is the HCF of p^2-9 and p^2-6p+9 ? $(p^2-9 \ \tau \ p^2-6p+9 \ a)$ महत्तम समापवर्तक कित हुन्छ ?) a) $(p-3)^3$ b) $(p-3)^2$ c) p-3 d) p+3 69. What is the LCM of p^3+q^3 and $p^2q-p^2q^2+pq^2$? $(p^3+q^3 + p^2q-p^2q^2+pq^2)$ को लघुत्तम समापवर्तक कित हुन्छ ?) b) $p^2q^2(p+q)(p^2+pq+q^2)$ a) $pq(p+q)(p^2-pq+q^2)$ c) $pq(p-q)(p^2+pq+q^2)$ d) $pq(p+q)(p^2+pq+q^2)$ 70. In the given figure, what is the value of x? (दिइएको चित्रमा x को मान कति हुन्छ ?) a) $16\sqrt{3} \ m$ 24 X b) $\frac{16}{\sqrt{3}} m$ c) 16 m 60° d) $16\sqrt{2} \ m$

Good luck!

A

Answer Key

Answer Key								
English		Science		Math				
Question No.	Answer	Question No.	Answer	Question No.	Answer			
1		21		46				
2		22		47				
3		23		48				
4		24		49				
5		25		50				
6		26		51				
7		27		52				
8		28		53				
9		29		54				
10		30		55				
11		31		56				
12		32		57				
13		33		58				
14		34		59				
15		35		60				
16		36		61				
17		37		62				
18		38		63				
19		39		64				
20		40		65				
		41		66				
		42		67				
		43		68				
		44		69				
		45		70				

