

Technical English examination (Time: 1h30)

Full Name:.....

G. Complete the following using these words (04P):

wide ,used ,applications,decrease ,transfers ,become ,utilization ,increase

A transformer is a passive component that **transfers** electrical energy from one electrical circuit to another circuit, or multiple circuits. Transformers are **used** to increase or decrease AC voltages in electric power **applications**, such transformers being termed step-up type to **increase** voltage and step-down type to **decrease** voltage. Since the invention of the first constant-potential transformer in 1885, transformers have **become** essential for the transmission, distribution, and **utilization** of alternating current electric power. A **wide** range of transformer designs is encountered in electronic and electric power applications.

H. Give the translation to the following words into English/French) (04P):

alternating current	Courant alternatif
control loops	Boucle de contrôle
step-down transformer	Transformateur abaisseur
integrated circuits	Circuits intégrés
Renewable energy	Energie renouvelable
high efficiency	Rendement élevé
Faraday law	Lois de Faraday
sensor	capteur

I. Make the singular nouns into plural nouns(02.5 P):

child	Children
family	families
boy	boys
dish	Dishes
wife	Wives

J. Translate the following into French (03P):

The computer system is not a simple machine. It is like a very modern and highly complex calculator. It can do all the functions at a speedy rate and also helps us to search and progress in our homes and businesses.

Le système informatique n'est pas une simple machine. C'est comme une calculatrice très moderne et très complexe. Il peut effectuer toutes les fonctions à un rythme rapide et nous aide également à rechercher et à progresser dans nos maisons et nos entreprises

.....

K. Translate the following into Arabic (03P):

One of the best things about the computer is the fact that it can help us to save so much of manual power, cost, and time. Computers also ensure more accuracy. Examples of such cases include ticket booking, payment of bills, insurance and shopping

أحد أفضل الأشياء في الكمبيوتر هو حقيقة أنه يمكن أن يساعدنا في توفير الكثير من الطاقة اليدوية والتكلفة والوقت. تضمن أجهزة الكمبيوتر أيضًا مزيدًا من الدقة. ومن الأمثلة على هذه الحالات حجز التذاكر ودفع الفواتير والتأمين والتسوق.

L. Fill in all the gaps with the correct forms of infinitive and past participle (03.5P):

Infinitive	Simple past	Past participle
have	had	had
write	wrote	written
give	gave	given
be	Was/were	been
drive	drove	driven
read	read	read

Good Luck
S.Messalti