قيتهيبكتاا داتهاباا قعمام

وحدة التقييم والامتحانات العامة الدائرة الفنية وتكنولوجيا المعلومات امتحان الشهادة الجامعية المتوسطة



الكفايات العملية لتخصص: محركات الطائرات

بعد انهاء دراسة مواد التخصص يتوقع من الطالب أن يكون قادرا على تحقيق الأهداف التالية:

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1	To realize the importance of safety inside Shop or Hanger	
2	To understand safety procedure to use hand and portable power tools	
3	To realize the importance and benefits of machine guarding	المشغل الهندسي
4	Electrical equipment safety	
5	Safety color coding	
6	Aircraft and Flight line safety	
7	Aircraft armament safety	
8	Know the components of simple electric circuits.	
9	Measure and check batteries.	
10	Know and find the value of resistors by using color code.	مختبر اساسيات الكهرباء
11	Measuring current, voltage using digital Multimeter.	
12	Study the basic construction of Motors and Generators.	
13	To identify the types of hand tools.	وتجهيز خدمة أدوات مشغل
14	To identify the precision measuring tools.	
15	To identify the hardware of an aircraft (Bolts, Nuts).	وتجهيز خدمة أدوات مشغل الطائرات
16	To identify the painting, welding.	
17	To know reciprocating engine instrument.	the charter to a
18	To know turbine engine instrument.	مشغل النظم الكهربائية والاجهزة الدقيقة لمحركات
19	To know electrical system components.	والاجهرة التقيفة لمحرحات الطائر ات
20	To know engine fire protection.	الطائر آت
21	Perform assemble & disassemble for all the parts, the systems, & the subsystems of reciprocating engine.	
22	Locating strokes in reciprocating engine	عَدَّ الْمُسْعِدِ الْمُعْلِينِ اللَّهِ الْمُعْلِيلِينِ اللَّهِ الْمُعْلِينِ اللَّهِ الْمُعْلِيلِينِ اللَّهِ الْمُعْلِينِ اللَّهِ الْمُعْلِيلِينِ اللَّهِ الْمُعِلِينِ اللَّهِ الْمُعِلَّي الْمُعِلِينِ اللَّهِ الْمُعِلِيلِينِ اللَّهِ الْمُعِلِيلِينِ اللَّهِ الْمُعِلِي اللَّهِ الْمُعِلِيلِينِي اللَّهِ الْمُعِلِي اللَّهِ الْمُعِلِيلِينِي اللَّهِ الْمُعِينِ اللَّهِ الْمُعِلِيلِينِ اللَّهِ الْمُعِلِيلِينِي اللَّهِ الْمِعِلِيلِيلِيلِيلِيلِيلِيلِيلِيلِيلِيلِيلِي
23	Locating pistons in induction, compression, power & exhaust strokes	
24	Valve adjustment (inlet & exhaust valves)	
25	Cylinder head removal, inspection and installation	
26	Cylinder, piston and oil rings inspection	And Siberary
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_	Induction system removal, inspection & installation of	
27	induction manifold	
28	Exhaust system removal, inspection & installation of	
	exhaust manifold	
29	Removal, inspection & installation of cooling baffles	
30	Cooling fins inspection	
31	Oil filters removal, inspection and installation	
32	Oil pipe lines removal, inspection and installation	
33	Oil pumps removal, inspection and installation	
34	Carburetor removal, inspection and installation	
35	Fuel lines removal, inspection and installation	
36	Magneto, removal, inspection & installation	
37	Know the basic construction & the systems of the J85-GE-21B engine.	
38	Know the basic construction & the systems of the T56-A-7B engine.	مشغل المحركات النفاثة
39	Know the basic construction & the systems of the F100-PW-220E engine	
40	Know the principles of propellers.	
41	Distinguish the propellers types.	
42	Know the propeller parts & the forces acting on the propeller.	
43	Deals with turboprop propellers.	
4.4	Know the propeller auxiliary systems and their	
44	functions.	
45	Know how to install the propeller.	
46	How to use the T.O's for propeller system	
47	Propeller build up	and sit till the
48	Wooden-Propeller removal	مشغل مراوح الطائرات
49	Wooden-Propeller installation	
50	Two-Position propeller	
	construction	
51	Blade angle adjustment (Two-Position propeller)	A DA
52	Hydromatic-Propeller Construction	1139.
E 2	How to put the different blade angles on the	Samuel Marie Constitution of the Constitution
53	Hydromatic- Propeller blade	و المنافظ العظم العظم العظم العظم العظم العناقة المنافظة العناقة العنا
54	Oil servicing to the propeller	الم المستم المست
55	Propeller-Governor construction	The Character of the
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	صفحة 2 من 3	

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56	Propeller-Governor (Assembly & Disassembly)	
57	Know the systems of reciprocating engine & gas turbine engine. Such as :Induction, Cooling, Exhaust, Starting, and Lubrication.	النظم المساندة للمحرك
58	Know the purpose & components of each system.	
59	Describe the reciprocating engine ignition system.	
60	Know the auxiliary system for starting.	
61	Describe the turbine engine ignition system.	
62	Recognize spark plug & igniter plug.	نظم اشعال المحرك
63	Know how to make inspection and maintenance for both types of ignition	
64	To evaluate practice the principles of analyses and design acquired throughout the course of the students study	مشغل محركات الطائرات
65	The training gives the student an opportunity to apply the theory gained within the theoretical courses of Aircraft engine through practical experimentation in the real world of the profession.	قواعد سلاح الجو الملكي الاردني

