空中多	文通管制概论
	EXAM
Duration	2h
Nbr of Questions	38

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Par	t I. (Choose the best correct answer. 2	point for each item.
1.	The three components of ATM are ().		
	A)	Aerodrome control, Approach con	ntrol, Area control
	B)	Airspace management, Air traffic	flow management, Air traffic services
	C)	Strategic management, Pre-taction	cal management, Tactical management
	D)	Information management, Traffic	management, safety management
2.	Th	e three different Air Traffic Service	e Units are ().
	A)	Meteorological Information service Flight information service unit	ce unit, Aeronautical information service unit,
	B)	Flow control unit, Traffic control	unit, separation control unit
	C)	Aerodrome control unit, Approac	h control unit, Area control unit
	D)	Departure control unit, En-route	control unit, Arrival control unit.
3.	Which type of Special Use Airspace can be set up over the high seas by a country? ()		
	A)	Reserved airspace	C) Restricted airspace
	B)	Prohibited airspace	D) Danger airspace
4.	Air	space is classified to allow for ().
	A)	Different degree of control of act	ivities
	B)	Easy designation of different part	ts of airspace
	C)	Segregation of different activities	5
	D)	Flight of aircraft of different spee	d
5.	Ch	inese airspace is currently classifie	ed into classes ()
	A)	Managed, unmanaged	
	B)	Intended Traffic Environment, Kr	nown Traffic Environment, unknown Traffic

Environment

	C) A, B, C, D			
	D) A, B, C, D, E, F, G			
6.	Which of the following is NOT included in the airspace structure of Flexible Use Airspace? ()			
	A) Conditional Routes,	C) Prior Co-ordination Airspace		
	B) Temporary Reserved Areas,	D) Restricted airspace		
7.	Control sector capacity is mainly determined	d by ().		
	A) Controller workload	C) Aircraft speeds		
	B) Airspace volume	D) Separation standards		
8.	A Pilot will change the altimeter setting to Q	NH when ()		
	A) His aircraft starts to descend	C) Passing through the Transition		
	B) Passing through the Transition Level	Altitude D) His aircraft starts to approach		
9.	Below 12500 m, vertical separation between	n two adjacent flight levels is ()		
	A) 1000 m	C) 500 m		
	B) 600 m	D) 300 m		
10.	The last three legs of an aerodrome traffic circuit are ()			
	A) Upwind, crosswind, downwind	C) Downwind, Crosswind, final		
	B) Downwind, crosswind, upwind	D) Downwind, Base, Final		
11.	Information relative to an intended flight or portion of a flight, to be provided to air traffic services units, shall be in the form of a ().			
	A) Flight Request	C) Flight application		
	B) Flight Plan	D) Flight briefing		
12.	An ATC () shall be obtained prior to operating a controlled flight, or a portion of a flight as a controlled flight.			
	A) instruction	C) approval		
	B) clearance	D) permission		
13.	Which of the following is NOT contained in	an air traffic control clearance? ()		
	A) Departure time	C) clearance limit		
	B) aircraft identification	D) route of flight		
14.	The Missed Approach Point (Mapt) for preci-	sion approaches is ()		
	A) Over the runway threshold			

	B)	on reaching minimum descent altitude					
	C)	on reaching decision altitude					
	D)	Over the runway end					
15.	At I	At lower altitudes, a standard holding pattern will take () minutes to complete.					
	A)	3	C)	5			
	B)	4	D)	6			
16.		For design of approach procedures, aircraft are categorized according to their ()					
	A)	Weight	C)	Engine types			
	B)	Size	D)	speeds			
17. Where a final approach fix (FAF) is available, the () segment begins w aircraft is on the inbound track of the procedure turn, base turn or final i leg of the racetrack procedure.							
	A)	arrival	C)	intermediate approach			
	B)	initial approach	D)	Final approach			
18.		e initial approach segment provides at least mary area, reducing laterally to zero at the					
	A)	300 m	C)	100 m			
	B)	150 m	D)	50 m			
19. Radar separation for approach section is usually () km) km			
	A)	10	C)	5			
	B)	6	D)	3			
20.	Ode	d levels are allocated for () flights					
	A)	Northbound	C)	Westbound			
	B)	Southbound	D)	Eastbound			
21.	Wa	ke turbulence separation minima is determ	ine	d by aircraft ()			
	A)	Weight	C)	Size			
	B)	Speed	D)	Engine type			
22.		cording to ICAO general rules of air, when a nim from his left at about the same level, h					
	A)	Turn left	C)	Descend			
	B)	Turn right	D)	Maintain his heading and level			

23.		flights, conducted in accordance with the d/or the national civil aviation regulations a).		n variance flavor en en		
	A)	GAT	C)	MET		
	B)	OAT	D)	RBT		
24.	A joint civil/military department, responsible for the day-to-day management and temporary allocation of national or sub-regional airspace, is called ()					
	A)	An AIS office	C)	A SWIM		
	B)	An AMC	D)	An AUP		
25.	For IFR flight, the minimum flight altitude should provide an obstacle clearance of () metres over high terrain or mountainous areas.					
	A)	1000	C)	300		
	B)	600	D)	150		
26.	The automatic provision of current, routine information to arriving and departing aircraft throughout 24 hours is called ().					
	A)	SIGMET	C)	ATIS		
	B)	AIRMET	D)	VOLMET		
27.	When an aircraft has been cleared to land and fails to land within 5 minutes of the estimated time of landing and and communication has not been reestablished with the aircraft, the situation is in ()					
	A)	An emergency phase	C)	An uncertainty phase		
	B)	A distress phase	D)	An alert phase		
28.	The	e design of an instrument departure proce	dure	e is, in general, dictated by ().		
	A)	the terrain surrounding the aerodrome	C)	siting of navigational aids		
	D)		D)	ATC requirements		
29.	B) type of aircraft involved Which of the following is NOT a task of the approach controller? ()					
	A)	Merging	C)	Track keeping		
	B)	Sequencing	D)	Spacing		
30.	Tra	affic synchronization is a component of () op	erational concept		
	A)	US Nextgen	C)	SESAR		
	B)	ICAO global ATM	D)	Future China ATM		

Part II. Answer the following questions. 5 points for each question.			
1.	What are the functions of ASM?		
2.	Why should a control area be sectorized?		
3.	Why should airspace be classified?		
4.	What are the tasks for the pre-tactical phase of Air Traffic Flow and Capacity management?		

5.	What are the ways to optimize utilization of available en-route capacity?
6.	What factors have to be considered when reducing the vertical separation minima?
7.	How can wake turbulence separation be reduced?
8.	How can an in-flight holding pattern be defined?