201/203 ATC 7110.65 Radar - Take Home Test

1. Prior to using a Radar system to control traffic what must the Controller do?
   a. __________________________
   __________________________

2. As soon as possible after assuming a Radar control position, Controllers should check
   a. __________________________and b. __________________________

3. For Terminal Radar Operations, Radar Controllers should use a)__ to check Map Alignment

4. For Enroute Radar Operations, the computer system will __________________________ check
   Radar Data Processing alignment to make sure the Radar system is working properly.

5. For all Radar Operations, the optimum operation is to use both __________________________
   and __________________________Radar for Air Traffic Control.

6. For flights in Class A airspace, Controllers can use __________________________Radar alone.

7. If Primary Radar fails, the Controller can continue providing __________________________ as
   long as the Pilot is aware and the __________________________. (Meaning, you must tell the
   pilot if you lose Primary Radar capability)

8. When the Aircraft is operating in Class A airspace, the Controller __________________________
   to tell the Pilot that Primary Radar has failed.

9. If an emergency exists, a Controller can use __________________________Radar without
   __________________________Radar if the __________________________

10. A Controller can use __________________________ Radar to separate traffic if the Radar System
   __________________________is assured.

11. If the Controller can’t verify __________________________, the single allowed use of
   Secondary Radar is to __________________________

12. the Correct Phraseology to request the cessation of Electronic Jamming is
   a. “_______________/ (and/or) ____________/ (and/or) ___________”
13. When radar mapping is not available, limit radar services to:
   a. ______________________________________________________
   b. ______________________________________________________
   c. ______________________________________________________

14. A Controller can use a cursor to
   a. ______________________________________________________
   b. ______________________________________________________
   c. ______________________________________________________

15. A Controller may not use a cursor to
   a. ______________________________________________________
   OR
   b. ______________________________________________________
   OR
   c. ______________________________________________________

16. What must the Controller do to assure separation of aircraft operating in RVSM airspace
   using 1000’ vertically separation, if one pilot reports that he’s experiencing substantial
   turbulence and feels he can’t maintain the 1000’ minimum vertical separation standard (can’t
   hold altitude within 1000’)?
   a. ______________________________________________________
   b. RVSM is in_______ airspace, all aircraft operating in Class A airspace are ____

17. The electronic flight progress (EAS/FDP) system is not operational at the Controllers
   position. What must the Controller do?
   a. ______________________________________________________
   ______________________________________________________
   ______________________________________________________

18. Normally, after a pilot of an IFR aircraft receives the statement ”RADAR CONTACT”, the
   Pilot
   ______________________________________________________

19. After ATC informs the Pilot of an IFR aircraft ”radar contact lost” or ”radar service
    terminated” the Pilot must ____________________________________
20. Cessna 345PX will descended below radar coverage the Seattle Center enroute to an IFR Approach at ONP. The Controller clears the Aircraft for approach and includes “Radar Contact is Over, cleared for the ONP Approach,” Did the Controller use correct phraseology? If NO, what is the correct Phraseology

21. You are providing radar service to four aircraft.
- The first aircraft it’s IFR flight plan in Class E airspace.
- The second aircraft completes an ASR approach to a class C airport and lands,
- the third aircraft is flying in Class B airspace, on final at a Class B Airport, and changes frequency to the Tower that controls the Airport.
- The fourth aircraft is VFR below the Class B Airspace and requests off your Frequency to go to a Class E airport and land.
Which Aircraft must you tell that you are no longer providing Radar Service?

22. Issue discrete beacon codes assigned by ______________________

23. Computer-assigned codes may be ____________ as required.

24. For Terminal Operations, aircraft that will remain within the terminal facility’s delegated airspace shall be assigned a code from the a) __ unless otherwise specified in b) __ or c) __
   a. ______________________________
   b. ______________________________ OR c. ______________________________

25. Aircraft that will enter an adjacent facility’s delegated airspace shall be assigned a beacon code ______________________________

26. Normally, the ATC Computer will assign __________________________ Transponder Codes

27. Assign appropriate a) ____ codes from the function codes specified in b) ____ which specifies c) ____ Assignments
   a. ______________________________
   b. ______________________________
   c. ______________________________

28. Unless otherwise coordinated at the time of handoff, make ________________ to other positions/sectors on an appropriate ______________________________ code.

29. Inform aircraft concerned when the (a.) ____ appears to be inoperative or malfunctioning. Use the phraseology (b) ________
   a. ______________________________
   b. ______________________________
30. Four Non-Discrete Transponder Codes that every pilot and controller must know are (1 point for code, 1 point for description)
   a. ____________________________________________________
   b. ____________________________________________________
   c. ____________________________________________________
   d. ____________________________________________________

31. For Aircraft with a failed Transponder, disapprove a request or withdraw previously issued approval to operate in Class A airspace with a failed transponder solely on the basis of
   a. ____________________________ OR b. ____________________________

32. A Transponder Altitude Readout is acceptable if the Readout is within ______ feet of the reported Altitude (the altitude the Pilot reports to the Controller)

33. You are working Memphis Sector 66 and you are sure the Transponder Altitude Readout for COMAIR 75 (a CRJ100) flying east (departure from Monroe via V18 to Jackson then via Jet Routes to Washington/Dulles is not working properly (Altitude readout inaccurate by more than 500 feet). Who must you tell of this malfunction?
   a. ____________________________________________________
   b. ____________________________________________________
   c. ____________________________________________________

34. (From the question above) COMAIR 75 requested climb to FL 330, Could you deny Flight 43 climb clearance past 17,000 feet?. What would be your reason for approving or denying Flight 75’s request?
   a. ____________________________
   b. ____________________________

35. What are the three acceptable ways to use Primary Radar identify an aircraft?
   a. ____________________________________________________
   b. ____________________________________________________
   c. ____________________________________________________
36. What are the three acceptable ways to use Secondary Radar identify an aircraft?

a. 

b. 

c. 

37. Can a Controller initiate control instructions to the Aircraft using just one method of identification (YES or NO) – 

38. What does 7110.65 say about doubt of radar identification

a. 

39. For normal routine operations, Controllers use at least one method to _______ and aircraft and a second method to _______ Identification, before initiating control instructions to an aircraft.

40. A HANDOFF is - a) ______ IF b) ______ AND c) ______.

a. 

IF

b. 

AND

c. 

41. RADAR CONTACT is

a. 

AND

b. 


42. A POINT OUT is

a. ______________________________________________________________
   ______________________________________________________________

   IF

b. ______________________________________________________________
   ______________________________________________________________

   AND

c. ______________________________________________________________
   ______________________________________________________________

43. POINT OUT APPROVED is a

a. ______________________________________________________________
   ______________________________________________________________

   IF

b. ______________________________________________________________
   ______________________________________________________________

AS COORDINATED, WITH

c. ______________________________________________________________
   ______________________________________________________________

44. TRAFFIC is a term used to ________________________ of an aircraft to another
   ________________________ for the purpose of coordinating ___________________ action.

45. Traffic is normally issued
   a. In response to or in anticipation of a____________or a ______________
   OR
   b. In conjunction with a____________for ______________ of an aircraft

46. TRAFFIC OBSERVED is a term used to ______________ the Controller
   ___________________________ that the traffic is ______________ and the restrictions issued
   are ______________ and will be ______________
47. To transfer Radar Identification use of the following methods
   a. Physically __________________________on ____________________________
   b. Use _______________ ______________ communications
   c. Use __________________________ capabilities

48. When making a ______________, ______________, or issuing traffic ______________, relay
    information to the ______________ controller in the following order
   a. The position of the target relative to a ______________, map ______________, or radar
      ______________ known and displayed by both the receiving and ______________
      controller
   b. Mileage from the reference point may be ______________ when relaying the position of
      a target if a full ______________ associated with the target has been forced on the
      receiving controller's __________________________
   c. Aircraft ________________ using either the aircraft ______________ OR the
      ______________ Beacon Code
   d. The assigned ______________, appropriate ________________, and information that
      the aircraft is ______________ or ______________, if applicable, except when
      inter/intrafacility __________________________ ensure that the ______________
      information will be known by the ______________ controller

49. ASA 44 is 12 NM EAST of JAN VORTAC, east bound and you are making a manual handoff
    coordination to Sector 65 Controller. The correct phraseology to initiate the Handoff for ASA
    44 is (Each correct word is 1 point)
   a. “_____________________________________________________________

50. What is the correct phraseology to accept the Handoff of ASA 44(from the previous question)
    (Each correct word is 1 point)
   a. “_____________________________________________________________

51. To terminate each landline contact, the controller should close the coordination by stating
    The Controller's __________________________