

**Objective: (Match the following):**

Set-1

- |           |    |                                      |     |
|-----------|----|--------------------------------------|-----|
| 1. CK-1   | a. | Hot Engine Alarm                     | ( ) |
| 2. SAR    | b. | Engine will not fire                 | ( ) |
| 3. DMR    | c. | Cranking Circuit                     | ( ) |
| 4. ETS    | d. | Only power will reduce               | ( ) |
| 5. OPS    | e. | Engine idle with indication          | ( ) |
| 6. LWS    | f. | Engine shutdown without indication   | ( ) |
| 7. GR     | g. | Clutch cap de-energise               | ( ) |
| 8. OSTA   | h. | Engine idle without indication       | ( ) |
| 9. WSR    | i. | Idle speed                           | ( ) |
| 10. SAR-2 | j. | Shut down with hot engine indication | ( ) |

Set-2

- |                                      |    |                        |     |
|--------------------------------------|----|------------------------|-----|
| 1. OSTA tripping while cranking      | a. | Defective OPS          | ( ) |
| 2. Engine not cranking               | b. | CK-1 & CK-2 welded     | ( ) |
| 3. Engine not holding                | c. | RF not working         | ( ) |
| 4. Throttle not responding           | d. | ECS in run             | ( ) |
| 5. GF not picking up                 | e. | MFPB 1&2 in OFF        | ( ) |
| 6. Engine not fixing                 | f. | VRR fuse blown         | ( ) |
| 7. Power contactors not picking up   | g. | Tacho generator failed | ( ) |
| 8. Hot engine alarm                  | h. | OSTA tripped           | ( ) |
| 9. Battery ammeter showing discharge | i. | MCB 1&2 tripped        | ( ) |
| 10. FOP not building up              | j. | Reverser in neutral    | ( ) |

Set-3

- |                                     |    |                             |     |
|-------------------------------------|----|-----------------------------|-----|
| 1. Loco brakes not applied          | a. | H-5 Operated                | ( ) |
| 2. MR pressure not building up      | b. | 28 VB COC closed            | ( ) |
| 3. BP pressure not creating         | c. | MU2B in DEAD                | ( ) |
| 4. Vacuum not creating              | d. | Defective AC governor       | ( ) |
| 5. Engine comes to idle (vacuum)    | e. | Defective BKIV              | ( ) |
| 6. Engine comes to idle (air brake) | f. | ¾ COC closed                | ( ) |
| 7. Proportional brakes not working  | g. | H5A operated                | ( ) |
| 8. Vacuum not destroyed             | h. | Air passage of VA1B blocked | ( ) |
| 9. Loco brakes applying during DBR  | i. | 1" COC closed               | ( ) |
| 10. FP pressure not creating        | j. | Banking COC closed          | ( ) |

**Objective: (Multiple choice):**

1. If L-7 HP pipe line cracked, what action to be taken? ( )
- |                         |                            |
|-------------------------|----------------------------|
| a) Fail the loco        | b) Lock rack of L-7        |
| c) Lock left side racks | d) Ignore and work onwards |

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2. When TS-4 operates \_\_\_\_\_ will be experienced? ( )
- a) Hot engine alarm                      b) LWS operated  
c) Engine shuts down                      d) Engine comes to Idle
3. After releasing dynamic brake, if load meter not responding, the reasons is? ( )
- a) Defective P-32 Interlock              b) BKTs not thrown to motoring side  
c) Fail the Loco                              d) Check power contactors
4. In IRAB-1 brake system, PCS picks and drops at \_\_\_\_\_? ( )
- a) 4.0 & 4.5 Kgs/cm<sup>2</sup>                      b) 1.3 & 1.6 Kgs/cm<sup>2</sup>  
c) 4.0 & 2.8 Kgs/cm<sup>2</sup>                      d) 2.5 & 3.5 Kgs/cm<sup>2</sup>
5. Engine having 5.0 Kg/cm<sup>2</sup> and BV having 4.0 Kg/cm<sup>2</sup> of BP then \_\_\_\_\_? ( )  
test to be conducted?
- a) Efficiency                                  b) Continuity  
c) Blockage                                    d) Leakage
6. If CK-1 and CK-2 tips welded, \_\_\_\_\_ will happen ? ( )
- a) EPG failed                                  b) Engine will not crank  
c) Load meter not responds              d) Starting ground
7. In AC/DC locos alternator & rectifier blocks are protected with \_\_\_\_\_? ( )
- a) GFOLR                                      b) GR  
c) SAR    d) TDR
8. To find out the leakage on the formation \_\_\_\_\_ is provided in Loco?( )
- a) Spy glass                                    b) Air flow indicator  
c) BP gauge                                      d) Load Meter
9. The coupling between right angle gear box & radiator fan is \_\_\_\_\_? ( )
- a) Fast coupling                              b) Universal coupling  
c) Flexible coupling                          d) Love joy coupling
10. FTTM blower is located in \_\_\_\_\_ room? ( )
- a) Engine room                                b) Expressor room  
c) Radiator room                              d) Generator room

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