PAPER ID-410595

Subject Code: BRCV751

Roll No: | | | | | | | | | | | | | |

B.VOC.
(SEM V) THEORY EXAMINATION 2021-22
RAC MAINTENANCE - II

Time: 3 Hours ***Total Marks: 30***

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 1x 6 = 6

Qno.	Question	Marks
a.	Name the equipments used to carry out evacuation.	1
b.	What is purging? Explain.	1
c.	Discuss the method of capillary tube cleaning in RAC.	1
d.	Why some time compressor tries to start but does not run?	1
e.	Write down two important servicing techniques of RAC system.	1
f.	What is pressure cut out failure?	1

SECTION B

2. Attempt any *three* of the following: 3 x 3 = 9

Qno.	Question	Marks
a.	Explain the procedure to perform evacuation.	3
b.	What is thermostat failure? Discuss.	3
c.	Write down the procedure of repair for burnt pipe.	3
d.	Discuss various methods of confirming the mechanical faults in RAC.	3
e.	How fault is analyzed in RAC system with pressure and temperature? Explain.	3

SECTION C

3. Attempt any *one* part of the following: 1 x 3 = 3

Qno.	Question	Marks
a.	Discuss the factors responsible for leaks in RAC.	3
b.	How electric circuit checking is carried out in refrigeration system.	3

4. Attempt any *one* part of the following: 1 x 3 = 3

Qno.	Question	Marks
a.	What are various methods for leak detection? Explain in detail soap solution method.	3
b.	Discuss the reasons for abnormal noise problems in RAC.	3

5. Attempt any *one* part of the following: 1 x 3 = 3

Qno.	Question	Marks
a.	Discuss various methods used for charging of RAC system? Explain any one method in detail.	3
b.	How the fault is detected when compressor motor fails to start? Expalin.	3

6. Attempt any *one* part of the following: 1 x 3 = 3

Qno.	Question	Marks
a.	Discuss the method of finding the fault when compressor is not functioning.	3
b.	Explain various electric wiring and connection faults in RAC system.	3

7. Attempt any *one* part of the following: 1 x 3 = 3

Qno.	Question	Marks
a.	Explain various mechanical faults in domestic refrigerator.	3
b.	What may be the various reasons in not functioning the hermetically sealed compressor properly? Explain.	3