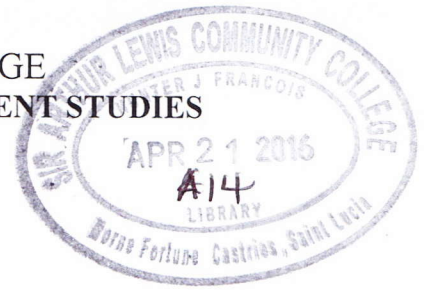


ITEMS PAST PAPERS
TECHNICAL

SIR ARTHUR LEWIS COMMUNITY COLLEGE
DIVISION OF TECHNICAL EDUCATION AND MANAGEMENT STUDIES



EXAMINATION SESSION : May 2015 Final Examination
TUTOR (S) : Mr. Paul Wilson
PROGRAMME TITLE : Diesel Mechanics
PROGRAMME CODE : 3ME-RAC-CE
COURSE TITLE : **Autobody Repair**
COURSE CODE : AUB101
DATE : Thursday 14th May 2015
COMMENCEMENT TIME : 1:00 PM
DURATION : 1 hour
INVIGILATOR (S) : **S. Meliat**, N.Hyacinth, S. Leon
ROOM (S) : CEHI-0R-01

INSTRUCTIONS: This Examination Paper has three (3) sections.

SECTION I – Multiple Choice questions *(1 mark each)*
SECTION II – Short Answer questions. *(10 marks)*
SECTION III – Two (2) Short Answer questions. *(5 marks each)*

- Students are required to write **ONLY ID NUMBERS ON EACH ANSWER SHEET**. Names should not be used.
- Please number your responses accurately
- All cell phones should be turned off during the Examination
- **Note: bags, books as well as writing paper not given by the invigilator should be deposited at the front of the Examination Room or as otherwise indicated.**
- Students must sign IN and OUT on the exam class list.

SECTION I – Multiple Choice

1. The tool that is used to set inside seams on front fender is called:
 - a) surfacing spoon
 - b) molding
 - c) radius spoon
 - d) double spoon

2. A hog file is used to:
 - a) check straightness
 - b) alignment
 - c) impact
 - d) file

3. The vise-grip welding clamp is used to:
 - a) hold
 - b) align
 - c) solid grip
 - d) adjustable holder

4. The vise-grip bending tool is used to:
 - a) position
 - b) locate
 - c) shaping
 - d) cutting, sheet metal

5. All tools used in Auto Body Repair are generally divided into:
 - a) one category
 - b) two categories
 - c) three categories
 - d) four categories

6. Hammers used in Auto Body Repairs are divided into:
 - a) one categories
 - b) two categories
 - c) three categories
 - d) four categories

7. The heel dolly is used for:
 - a) crowned/turret
 - b) forming/shaping
 - c) aligned/straightened
 - d) turning/pressure sheet metal

8. Metal has elastic properties or:
 - a) state
 - b) layers
 - c) memory
 - d) shape that can be returned to it original way

9. The objective of pulling the damaged section panel is to restore it to its original
 - a) size
 - b) elasticity
 - c) shape
 - d) layer

10. When using heat to normalize metal, which flame is used.
 - a) natural flame
 - b) decarbonizes flame
 - c) oxidizing flame
 - d) carbonizing flame; must be used

11. In all dinging and straightening operation, the dolly is placed on
 - a) the outside
 - b) the inside
 - c) the top
 - d) away of the damaged panel

12. Before a patch or partial retain panel can be made for the particular job, a _____ has to be made.
 - a) crown
 - b) bend
 - c) template
 - d) flunge, has to be made

13. When welding flat or low crowned sheet metal, heat can be kept from radiating into the metal by:
 - a) tack
 - b) clamp
 - c) fusion
 - d) water soaked in the area of welding

14. Before attempting to weld a break or tear in fender or body panel the edges must be properly _____.
 - a) hammering
 - b) pressing
 - c) aligned
 - d) tucking

15. When a body panel is damaged a certain amount of stretching of the metal takes place and this stretching generally occurs in the area of
 - a) indirect impact
 - b) direct impact
 - c) distortion
 - d) overlap area

16. When shrinking a dent, steps should be carried out as quickly before the heated metal loses all its reddish color. Once the heated spot has turned black it should be soaked with
 - a) oil
 - b) thinner
 - c) water
 - d) primer

17. An abrasive is any hard sharp material that will wear away:
 - a) harder
 - b) softer
 - c) hide glue
 - d) grain surface

18. How many types of sandpapers are used for preparing surfaces on vehicle bodies
 - a) one
 - b) two
 - c) three
 - d) four

19. What percentage of time is spent sanding different type of materials in a paint shop?
 - a) 10 – 20%
 - b) 30 – 50%
 - c) 50 – 75%
 - d) 75 – 90%

20. The sanding block should be used only on:
- a) fenders
 - b) flat panels
 - c) ridges
 - d) flanges
21. The initial shaping of body filler is done with a:
- a) orbital sander
 - b) ordinary sander
 - c) dish sander
 - d) body file
22. When the filler has hardened, cutting operations may have to be done using:
- a) fine sandpaper
 - b) grater
 - c) coarse sandpaper
 - d) putty knife
23. Technicians must feel the area being repaired by running hands and fingers over it with a _____.
- a) putty knife
 - b) straight edge
 - c) length wise
 - d) straight line
24. Polyester glazing filler or putty are used to fill:
- a) dents
 - b) patches
 - c) slight imperfections
 - d) panels only
25. Always mix the filler in its can until it is:
- a) hard
 - b) smooth
 - c) reactive
 - d) cured
26. Apply the mixed filler to an area that is
- a) sanded
 - b) sand papered
 - c) cleaned
 - d) repaired
27. Mixing filler on cardboard will allow the filler to be:
- a) hardened
 - b) change colour
 - c) dissolve
 - d) contaminated
28. Using too little hardener in the mixture will cause the filler to cure:
- a) too fast
 - b) poorly
 - c) slowly
 - d) have hard lumps
29. Wiping the repaired area on which mixed filler is to be applied with solvents will cause poor:
- a) mix
 - b) adhesion
 - c) result
 - d) curing

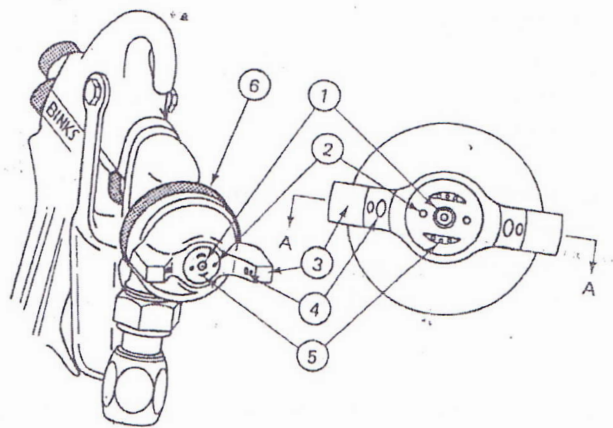
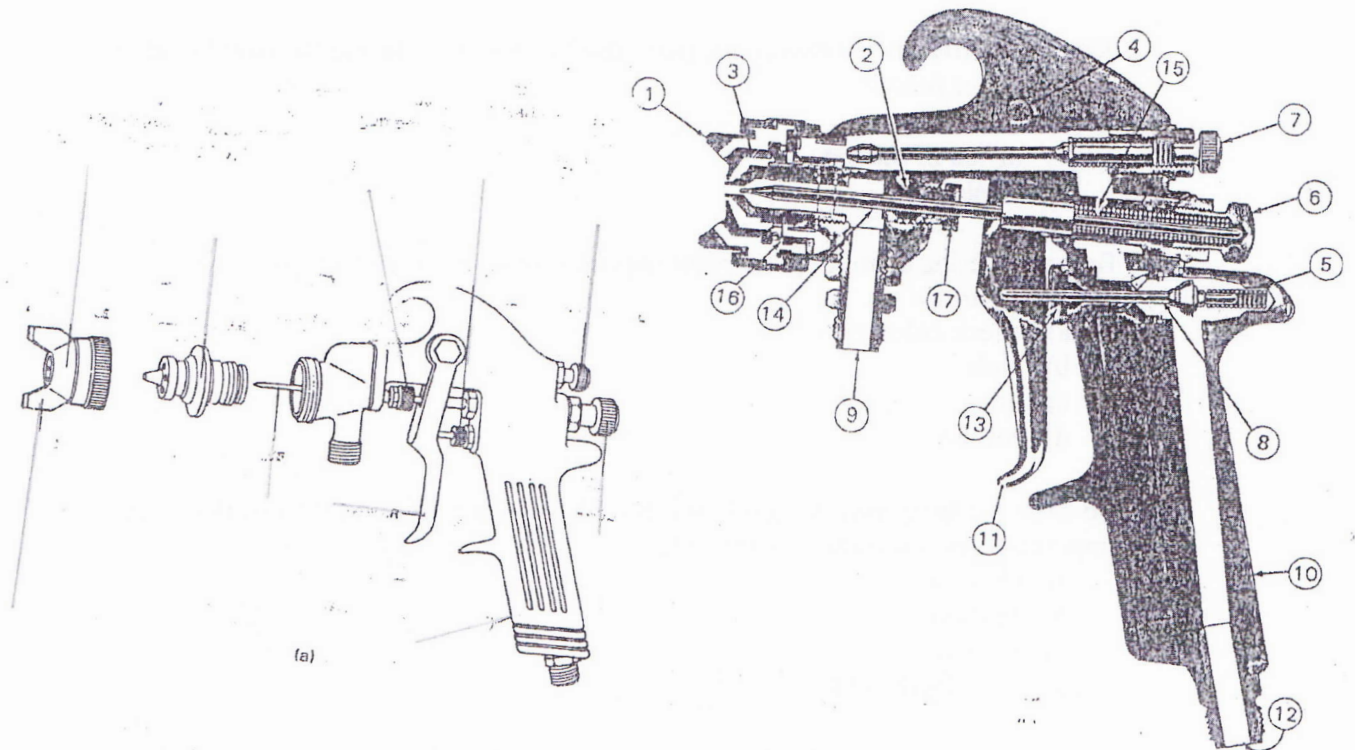
30. The doors on sedans should always be adjusted starting at the:
- front fender
 - front door
 - rear door
 - body fender
31. Before starting to adjust the doors, the door position in relation to the opening must be:
- seized
 - checked
 - hung
 - loosened
32. Bumpers are designed to withstand:
- heavy load
 - depression
 - impacts
 - accidents
33. There is a difference between the paint used on the outside and the paint used on:
- under fender
 - hood
 - inside of the car
 - trunk
34. Before ordering or mixing the paint required for a job, it is prudent on the painter's part to:
- check colours
 - code
 - mix
 - source
35. To keep the spray area in good operating shape when painting is to be done it is important that the floor be swept and
- blowed dry
 - mopped dry
 - washed
 - swept with a broom
36. Due to carelessness, many painters endanger their livelihood by not wearing:
- mask
 - respiratory
 - eye shield
 - helmet
37. Sanding blocks are used to spread the cutting action of the sand paper:
- Horizontally
 - Vertically
 - Quickly
 - Uniformly
38. The sanding block should be used only on:
- Hard surface areas
 - Low surface areas
 - Crown or flat panel areas
 - Light areas
39. When sanding by hand without a pad the sandpaper must be held:
- In the palm of the hand
 - Between the fingers
 - By the thumb only
 - None of the above

40. When manually sanding down the last coat of primed surface, a sponge is used to:
- a) Create pressure
 - b) Reduce the amount of sand scratches
 - c) Improve grit
 - d) Get job done faster

SECTION II

Name *any ten (10)* parts of the spray gun shown below

(10 marks)



SECTION III

1. Explain how dolly blocks are used in roughing out and bumping operations. *(5 marks)*

2. List the different methods used to control heat distortion. *(5 marks)*

END OF EXAMINATION