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| **Benha University**  **Faculty of Engineering- Benha**  **Preparatory Final Exam** | Benha | **Date: 23/12/ 2017**  **English**  **Duration : 2 hours** |

**Decide whether the sentences below are true or false:**

**1. Metal can only be rolled after it has been heated to a high temperature. A. True B. False**

**2. Metal can only be work hardened by the process of hot forging. A. True B. False**

**3. Pellets do not require further processing. A. True B. False**

**4. Rechargeable batteries supply electricity as alternating current. A. True B. False**

**5. A power circuit is a circuit which contains one or more sockets. A. True B. False**

**6. Inverters convert direct current to alternating current. A. True B. False**

**7. Steel blooms can be cut into smaller sized pieces called billets. A. True B. False**

**Match the two parts of the sentences:**

|  |  |
| --- | --- |
| **8. A metal is tempered to improve its hardness**  **9. A metal can be case hardened**  **10. If a metal is quenched,**  **11. In precipitation hardening,** | **A. its temperature is reduced rapidly.**  **B. the metal is heated for a long time.**  **C. without reducing its elasticity too much.**  **D. to harden only the metal near the surface.** |

**Complete the following sentences:**

|  |
| --- |
| **A. plates B. mains C. annealed D. shot-peened** |

**12. If an inverter is used to supply electrical appliances in a home, it must copy the supply of --------- electricity.**

**13. When metals are ----------------, they are bombarded with small metal balls.**

**14. ---------------- are flat pieces of metal that are wide and thicker than sheets.**

**15. ---------------- metal is generally softer and more elastic than quenched metal.**

**Choose the correct answer:**

**16. ----------------- circuit happens if live and neutral conductors touch while a current is flowing, and there is no component or appliance between them.**

**A. Power B. Parallel C. Series D. Short**

**17. The current goes from the last step-down transformer to a ----------- line.**

**A. distribution B. transmission C. power D. large**

**18. Photovoltaic cells produce ----------- current.**

**A. direct B. alternating C. inverted D. mixed**

**19. ------------- circuit allows different components to be controlled independently by separate switches.**

**A. Parallel B. Series C. Power D. Integrated**

**20. Bars which have a rectangular section are called --------------- bars.**

**A. round B. flat C. rectangular D. square**

**21. Several wires can be combined to form a ------------.**

**A. strand B. sheet C. plate D. cable**

**22. In forming metals by sintering, ------------ is not required.**

**A. molten metal B. metal powder C. heat D. a die**

**23. The process of squeezing molten metal through a die is referred to as ------------.**

**A. casting B. sintering C. extrusion D. forging**

**24. An electrical ------------- has several conductors, separately covered with an insulation.**

**A. strand B. cable C. plate D. sheet**

**25. A common reason for forging metal is to increase its -------------.**

**A. value B. brightness C. brittleness D. hardness**

**26. Please, -------------- write on this page.**

**A. don't B. not C. does D. did**

**27. The sound /j/ is pronounced in the word..................**

**a) how b) veil c) mouth d) uniform**

**28. The bold letters in "** Lang**u**age  **" are pronounced.......**

**a) /ɔː/ b) /a:/ c) /ɒ/ d) /w/**

**29. Decide which word has a different pronunciation of the final /s/ sound:**

**A. Taxes B. Grabs C. Matches D. Pages**

**30. Choose the word which has a different pronunciation of the final /ed/ sound**

**A. Attended B. waited C. needed D. Advised**

**31.The last sound in "Extreme" is......**

**a) voiced b) voiceless c)diphthong d) semivowels**

**32. The / ð / sound in “Then" is.............**

**a) voiced b) voiceless c)diphthong d) semivowels**

**33. The underlined letter in “PAGE” are pronounced..........**

**a) /g/ b) /ʃ/ c) /ʤ/ d) /ʒ/**

**34. The last "s" in “Composes" is pronounced as............**

**a) /s/ b) /z/ c) /Is/ d) /Iz/**

**35. "s" in “Mixes" is pronounced as.............**

**a) /s/ b) /z/ c) /Is/ d) /Iz/**

**36. How is /ed/ pronounced in “Mixed”…………**

**a) /t/ b) /d/ c) /Id/ d) /It/**

**37. What ………. of this photo?**

**A. you think B. are you thinking C. do you think D. were you thinking**

**38. A: When …… you …….. home? B: Usually at about 4.**

**A. are/getting B. do/get C. have/got D. will/get**

**39. First, the oven has to be hot, and then you ….. the cake in for 20 minutes.**

**A. are putting B. put C. have put D. putting**

**40.This bag ……. to me.**

**A. isn't belonging B. doesn't belong C. doesn't belongs D. belonging**

**41.We sometimes ……….. the car racing in the holidays.**

**A. watch B. watching C. are watching D. have watched**

**42. ………… the train crashed, everyone screamed.**

**A. While B. As C. Since D. During**

**43. I didn't interrupt Casey because he ………. to Webb.**

**A. spoke B. was speaking C. were speaking D. speaks**

**44. 8. Webb was a driver ………. along time.**

**A. during B. since C. for D. while**

**45. What ………. Casey's wife … ….. when she heard the news?**

**A. is …saying B. did …say C. has …said D. did… said**

**46. Casey's friend never …………. by train again.**

**A. travelled B. didn't travel C. was travelling D. travel**

**47. How heavy -----------------!**

**A. your bag B. is your bag C. your bag is D. was your bag**

**48. A: ---------------- dress do you like best? B: The long one.**

**A. What B. Who C. Which D. Why**

**49. A: ------------- difficult is the course? B: Not too difficult.**

**A. What B. Which C. Where D. How**

**50. Statistics ---------------a branch of mathematics.**

**A. is B. are C. has D. have**

**51. We could have walked here, ---------------- we?**

**A. could B. couldn't C. have D. haven't**

**52. The shops will be shut tomorrow and ---------------- will the museum.**

**A. so B. neither C. either D. too**

**53. I'm going to invite Nina and Emily ----------------.**

**A. too B. plus C. both D. as well as**

**54. A: It was snowing this morning. B: ---------------- it?**

**A. Was B. Wasn't C. Did D. Didn't**

**55. A: I did something stupid. B: Really? What ----------------?**

**A. you do B. you did C. do you do D. did you do**

**56. A: Someone helped him. B: Really? Who ------------------- him?**

**A. helped B. did help C. helps D. does help**

**57. 4. You haven't been waiting long, ---------------- you?**

**A. were B. weren't C. have D. haven't**

**58. A: Adam and I can't come tomorrow. B: ---------------- you?**

**A. Can B. Can't C. Do D. Don't**

**59. The statistics in that report on oil production -----------incorrect.**

**A. is B. are C. has D. have**

**60. Making pies and cakes ------------- Mrs. Reed's specialty.**

**A. is B. are C. has D. have**

**Model Answer**

**Decide whether the sentences below are true or false:**

**1. B. False**

**2. B. False**

**3. B. False**

**4. B. False**

**5. A. True**

**6. A. True**

**7. A. True**

**Match the two parts of the sentences:**

**8. C**

**9. D**

**10. A**

**11. B**

**Complete the following sentences:**

**12. B. mains**

**13. D. shot-peened**

**14. A. plates**

**15. C. annealed**

**Choose the correct answer:**

**16. D. Short**

**17. A. distribution**

**18. A. direct**

**19. A. Parallel**

**20. B. flat**

**21. D. cable**

**22. A. molten metal**

**23. C. extrusion**

**24. B. cable**

**25. D. hardness**

**26. A. don't**

**27. C. to help**

**28. A. also**

**29. C. your bag is**

**30. D. to take**

**31. A. both**

**32. D. to be**

**33. C. in spite of**

**34. A. to**

**35. C. for**

**36. D. to phone**

**37. B. to catch**

**38. B. for making**

**39. A. Although**

**40. A. due to**

**41. D. as**

**42. C. Which**

**43. D. How**

**44. D. Actually**

**45. C. Fortunately**

**46. A. cycling**

**47. C. not**

**48. D. to get**

**49. A. trying**

**50. D. Although**

**51. B. couldn't**

**52. A. so**

**53. A. too**

**54. A. Was**

**55. D. did you do**

**56. A. helped**

**57. C. have**

**58. B. Can't**

**59. A. By the way**

**60. C. Well**