GENERAL AWARENESS:

Q1. WTO meeting recently held at --------
   a) Cancun
   b) Jakarta
   c) Geneva

Q2. Opposite of PHENOMENAL--------

ANS: ordinary

Q3. Which European country does not have the same currency--------?
   a) U.K
   b) Spain
   c) France
   d) Germany

Q4. Commerce minister of India --------

ANS: Arun Jaitley.

Q5. Governor of RBI (Reserve Bank of India)---------.
   a) S. Rangarajan
   b) Sivathanthu pillai
   c) Y.V.Reddy
   d) Bimal Jalan
Q6. First car using CRDI is---------
   a) Hyundai Accent
   b) Skoda Octavia

Q7. Economic Growth Rate is measured by--------------
   a) GDP
   b) inflation
   c) GNP

Q8. Selection Committee Leader of Indian cricket team---------
   a) Kiran More
   b) Syed kirmani
   c) Brijesh patel

Q9. First Indigenous car sold in European market------------
   a) Tata Indica
   b) M&M scorpio
   c) Fiat palio

Q10. Meaning of URGE------
    a) desire
    b) strength
    c) forceful
    d) demand
Q11. HALs (Hindustan Aeronautical Limited) indigenous aircraft

a) Tejas
b) Trishul
c) Danush

Q12. Meaning of apprehend

ANS: fear

Q13. Opposite of obscure

ANS: explicit

Q14. ISRO chairman

ANS: Madhavan Nair.

Q15. Find in which part Grammatical /idiomatic error occurs in the sentence:

Yesterday while/crossing the road/he was/ run out by a lorry.

Q16. What is the name of the robot presented by Japan to Indonesia?

ANS: Azimo Honda
TECHNICAL:

Q17. Kelvin plank law deals with
   a) Conservation of work into heat
   b) conservation of heat into work

Q18. Which chart takes care of control attributes?
   a) P chart
   b) C chart
   c) R chart

Q19. Geneva mechanism is used for -----.  
   **ANS:** Intermittent motion

Q20. Section modulus of hollow shaft
   **ANS:** \( \pi/32*(D^4-d^4)/D \)

Q21. In V belt drive contact is made on
   a) bottom
   b) sides
   c) bottom and sides

Q22. Flexible coupling is used because
Q23. Down milling is also called ----.

**ANS:** Climb milling

Q24. Section view of C washer?

Q25. Washer is used to provide ----.

**ANS:** Bearing area.

Q26. Drilling is an example of

**ANS:** Oblique cutting

Q27. Deflection of simple supported beam carrying UDL 5/384*Wl4/EI

Q28. Initial tension is considered in ---.

Q29. Soldering alloy consists of ---.

**ANS:** Tin and lead

Q30. Spheroidal cast iron is getting from Grey cast iron by adding ---.

**ANS:** Mg
Q31. ----- is used for holding the work piece without disturbing the tool path.

**ANS:** Fixture

Q32. Why chromium is used in steel alloys?

**ANS:** Corrosive resistance

Q33. High cutting speed is obtained while ----.

**ANS:** machining

Q34. Metal forming is an example of ----.

**ANS:** chipless machining

Q35. Top rake angle is provided for ----.

**ANS:** Easy removal of chip

Q36. Alloying is done for increased ----.

**ANS:** strength and application

Q37. Transformer is used welding ----.

Q38. In throttling process Enthalpy constant is ----.
Q39. 70 cc of engine means ---.

**ANS:** swept volume

Q40. Tan (a) =

**ANS:** co efficient of friction

Q41. Centridal distance of a semi circle?

**ANS:** 4*r/3*pi

Q42. In centreless grinding, the grinding wheel and the regulating wheels rotate in the --- direction.

**ANS:** same

Q43. State Newtons three laws of motion.

Q44. What is Pascals Law?

Q45. What are Boyles law, charles law?

Q46. What is spring constant?
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**Q47.** In a balloon, both pressure and volume varies when you blow it. How will you apply Boyle's law in this situation?

**Q48.** State Bernoulli's theorem and its application.

**Q49.** What is Reynolds number? Where is it used? Can it be used in brakes?

**Q50.** What are the types of springs?

**Q51.** What is specific gravity? What is its Unit?

**Q52.** Explain screw gauge and vernier caliper.

**Q53.** What are the types of protective coating?

**Q54.** What is 1 micron?

**Q55.** What is focal length? Give the unit of power of lens.