OBJECTIVE TEST 1 hour

 The S.I. unit for measuring the work done by a force is J. K. N. W.
2. The chemical formula of a compound describes theA. number of molecules in the compoundB. type of bonding in the compoundC. ratio in which the elements are combinedD. state of the compound
 3. Which of the following life processes is represented by the equation Glucose + oxygen → carbon dioxide + water + energy A. Digestion B. Excretion C. Photosynthesis D. Respiration
4. Each layer of soil profile is known as A. horizon B. litter C. regolith D. solum
5. When the p-n junction of a transistor is reverse biased A. current flows from the p-type to the n-type B. no current flows from the p-type to the n-type C. conduction of current occurs D. current flows from the n-type to the p-type
6. When a solid-liquid mixture is filtered, the liquid that separates out into the container is called A. filtrate B. residue

C. sediment D. solution

7. Which of the following processes involves the solid state of matter?A. BoilingB. CondensationC. EvaporationD. Melting
8. Which of the following farming systems is most effective in maintaining soil fertility? A. Crop rotation B. Land rotation C. Mixed cropping D. Monoculture
9. The disease in humans which is associated with insufficient intake of calcium is A. goiter B. kwashiorkor C. rickets D. scurvy
10. The arrow in the circuit symbol of either n-p-n or p-n-p transistor is always on the A. base lead B. collector lead C. emitter lead D. receiver lead
11. Which of the following insect pests of crops has piercing and sucking mouthparts?A. AphidsB. GrasshoppersC. StemborersD. Termites
12. A reflex action involves the A. brain and muscles B. brain and nerves C. spinal cord and muscles D. spinal cord and nerves
13. The type of image formed in a plane mirror is always A. diminished B. enlarged C. real

D. virtual

14. Which of the following statements about acids are correct? I. They turn red litmus paper blue II. They can be classified as either organic or mineral acids III. They can be neutralized by bases A. I and II only B. I and III only C. II and III only D. I, II and III
15. A transistor is said to operate in an active region when A. one p-n junction is forward biased and the other is reversed biased B. base-emitter junctions are reversed biased C. both p-n junctions are reversed biased D. base-collector junction is forward biased
16. Tuberculosis is spread A. through eating of contaminated food B. when an infected person coughs openly into the air C. through shaking of hands of infected persons D. through sharing of contaminated syringes
17. One function of engine oil in the engine of a tractor is to A. warm the engine B. enhance air intake C. ensure proper mixing of fuel D. lubricate the engine parts
18. Black pod is a disease of A. cocoa B. coffee C. guava D. mango
19. The efficiency of a machine is always less than 100% because part of the energy input is used to A. stop the machine after working B. perform useful work on the load C. overcome friction D. lift the machine up
20. Which of the following electronic components are used to produce oscillator circuits? I. Transistor

II. Inductor III. Capacitor

A. I and II only B. I and III only C. II and III only D. I, II and III
21. Which of the following sources of light is natural? A. Filament bulb B. Fluorescent tube C. Glow worm D. Fire cracker
22. Which of the following substances are carried by the blood? I. Hormones II. Urine III. Oxygen IV. Carbon dioxide
23. The practice of starting new organization in response to identified opportunities is termed A. agribusiness B. business enterprise C. entrepreneurship D. management
24. The sub-atomic particle with zero charge in the nucleus of an atom is called A. electron B. ion C. neutron D. proton
25. Which of the following management practices greatly helps in record keeping?A. CullingB. DebeakingC. DehorningD. Identification
26. In the pin-hole camera, when the size of the pin-hole is increased, the image formed is A. blurred B. erect C. magnified D. virtual

27. Non-reactive metals are preferred in making ornaments and jewellery because they A. are attractive B. do not react with atmospheric oxygen C. do not retain their lustre D. are corrosive
28. Producers in an ecosystem are plants that A. attract insects B. feed on other plants C. manufacture their own food D. trap insects
29. The use of resistant varieties of crop in controlling diseases is described as A. biological control method B. chemical control method C. cultural control method D. physical control method
30. The chemical formula for aluminium oxide is represented as Al xOy. The values of x and y are respectively A. 3 and 2 B. 3 and 1 C. 1 and 3 D. 2 and 3
31. In electrical circuits, the component that protects appliances against very high currents is the A. capacitor B. fuse C. resistor D. switch
32. One benefit of technology to industrialization is A. environmental pollution B. reduction in skilful labour C. provision of machinery D. increase in cost of production of goods
33. Which of the following factors contribute to early parenthood? I. Poverty II. Illiteracy III. Lack of parental care IV. Peer pressure

A. I and II only B. II and III only C. III and IV only D. I, II, III and IV
34. Which of the following examples of fertilizers improves soil texture? A. Compost B. NPK C. Sulphate of ammonia D. Urea
35. The reaction between hydrochloric acid and sodium hydroxide produces A. sodium oxide only B. sodium chloride only C. sodium oxide and water D. sodium chloride and water
36. In modern electrical wirings the colour code for the live wire is A. blue B. brown C. green D. green and yellow
37. An example of soil minor nutrient is A. calcium B. iron C. nitrogen D. phosphorus
38. The complete development of a human foetus in the womb normally takes A. 7 months B. 8 months C. 9 months D. 10 months
39. A material that allows a small amount of light energy to pass through it but cannot be seen through is referred to as A. opaque B. reflective C. translucent D. transparent

- 40. The leads of the transistor responsible for activation is the A. amplifier B. base C. collector D. emitter