Knowledge Assessment (Written Test)

Jobrole: Assistant Surveyor

Total marks: 270 marks

Each NOS carries 90 marks and each question carries 2 marks

Infrastructure: Classroom, Benches, Pens, pencils

CON/N0901 Identify, select, use and store appropriate tools and instruments as per instructions

1. Which one of following is accessory of total station instrument
   a. Battery
   b. Prism Reflector
   c. Tripod
   d. All the above

2. What is measured by Survey chain
   a. Horizontal angle
   b. Elevation
   c. Vertical angle
   d. Linear Distance

3. In metric Steel Tape, what does the smallest marking line indicate?
   a. Centimeter
   b. Millimeter
   c. Inch
   d. Feet

4. Identify the auto level from three images as shown below

5. A survey accessory shown in figure below, which of following instrument requires this for surveying operation
   a. Technometer
   b. Theodolite
   c. Foot Screw
   d. None of the above

6. Paint should be stored in
   a. Open
   b. Gunny bag
   c. Airtight Container
   d. Box

7. The Assistant Surveyor carries out field work as per instruction of Surveyor
   TRUE
   FALSE

8. In metric system levelling staff what does smallest division corresponds to
   a. 10mm
   b. 100mm
   c. 5mm
   d. 50mm

9. What information does GPS give about a survey point
   a. Elevation
   b. Coordinates
   c. Time
   d. All of the above
10  Conversion of 10 meters of length into feet will be equal to
   a. 40m
   b. 32.80m
   c. 34m
   d. 30m

11  The ground to be surveyed has length of 20 meter and width 10 meter. What will be the area
   a. 200  Sq.m
   b. 60  Sq.m
   c. 180  Sq.m
   d. 100  Sq.m

12  If measuring tape is not held properly in line and level, The measurement will be
   a. More than actual
   b. Less than actual
   c. Equal to actual
   d. All the above

13  What information control point established at site for surveying contains
   a. Coordinates
   b. Elevation
   c. Distance
   d. Both a and b

14  Identify the following hand signal used in surveying work
   a. Move in this direction
   b. Move Up
   c. Move down
   d. Turning point

15  Identify the following symbol used in surveying work
   a. Benchmark
   b. Coordinates
   c. Instrument
   d. Elevation

16  Which one of following tools is used in linear measurement by chain
   a. Levelling
   b. Prism Reflector
   c. Arrows
   d. Tripod

17  What is unit of marking of The Reduced Level of elevation in benchmark
   a. Feet
   b. Centimeters
   c. Meters
   d. Inches
18 Which should be correct position of levelling staff in surveying work

19 The term TBM used in surveying refers to
a. Temporary back mark
b. Temporary bench meter
c. Total bench mark
d. Temporary bench mark

20 Which instrument is used to maintain same level maintained of all profiles/hurdles in setting out work
a. Theodolite
b. Chain
c. Auto level
d. Ranging rod

21 Auto level can be used for measuring horizontal/linear distance
TRUE FALSE

22 Ranging rods are used for chaining and fixing intermediate points in ranging
TRUE FALSE

23 Levelling staff is foldable with locking facility
TRUE FALSE

24 The method of setting out right angle line on ground by using measuring tape is called
a. 1-2-3
b. 3-4-5
c. 4-6-8
d. 5-7-9
d. None of the above

CON/N9001: Work according to personal health, safety and environment protocol at construction site

25 Tool box talks help in preventing the accidents
TRUE FALSE

26 Mock drills are conducted to enable employees to know the response system in case of emergency
TRUE FALSE

27 In case of fire, what should be done first
a. Raise the alarm
b. Leave the place
c. Stay at the place
d. Try to douse the fire

28 What should be done after assembling at the safe assembly point
a. Do not re-enter the site until instructions are given
b. Re-enter the site and continue to work
c. Leave the site without informing senior
d. Join emergency rescue team and help them

29 Which is correct body posture for shifting and lifting loads
30. Whom should employee report to in case of accident at site
   a. Store representatives
   b. Plant and Machinery representative
   c. Accounts representative
   d. EHS representative

31. Identify this PPE as shown below
   ![PPE Image]
   a. Shoes
   b. Lifeline
   c. Helmet
   d. Safety belt

32. Identify the signage.
   a. Emergency Exit
   b. Do Not touch
   c. First aid
   d. Hazardous material

33. What is correct order of operation of fire extinguisher
   ![Extinguisher Image]
   a. C-B-A-D
   b. B-A-D-C
   c. A-B-C-D
   d. A-C-B-D

34. Which PPE is worn for head protection
   a. Google
   b. Hand gloves
   c. Safety Shoes
   d. Helmet

35. What is the colour of dustbin for hazardous waste
   a. White
   b. Yellow
   c. Red
   d. Green

36. What do you understand by segregation of wastes
   a. Combining different types of wastes
   b. Separating different types of wastes
   c. Burning of wastes
   d. Collection of wastes

40. Why is housekeeping required
   a. Decrease fire hazards
   b. Improve morale
   c. Improve productivity (tools and materials will be easy to find)
   d. All the above

41. Which safety programme is conducted for new employees before they are permitted to enter the site
   a. Mock drill
   b. Tool Box
   c. Safety Induction

42. During surveying work, how should total station machine should be shifted from one point to another
   a. By removing it from tripod
   b. With tripod