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WRITTEN TEST FOR THE POST OF
TECHNICAL ASSISTANT (INSTRUMENTS) –A (QUALITY CELL)

Roll No.

Date: 21.10.2017

Time: 9.30 A.M


Duration: 90 Minutes

Total Marks: 80

INSTRUCTIONS TO THE CANDIDATE

1. Write your Roll Number on the top of the Question Booklet and in the OMR sheet.
2. Each question carries 1 mark.
3. There will not be any Negative marking.
4. Darken only the bubble corresponding to the most appropriate answer.
5. Marking more than one answer will invalidate the answer.
6. Candidate should sign in the Question paper and OMR sheet.
7. Candidate should hand over the question paper and OMR sheet to the invigilator before leaving the examination hall.

Signature of the Candidate


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Sl. No	Question	Answer
1.	The diameter of a circle is $3\sqrt{2}$. The side of a square inscribed in it is (A) 4 (B) 3 (C) 2 (D) 5	B
2.	What is quality? (A) the degree to which the product meet standards (B) the degree to which a set of inherent characteristics fulfils requirement (C) the degree to which the product meet appearance (D) the degree to which the product meet durability	B
3.	IC is made up of (A) Transistors (B) Microprocessors (C) Vacuum tubes (D) A and B	A
4.	The weight of the body is (A) The volume of the body (B) The mass of the body (C) The force with which it is attracted by the gravity (D) Equal to g	C
5.	A desktop computer is also known as a (A) Palm pilot (B) PC (C) laptop (D) mainframe	B
6.	Common salt is (A) Sodium chloride (B) Sodium carbonate	A

	(C) Sodium bicarbonate (D) Sodium sulphate	
7.	The first computer language developed, was (A) COBOL (B) BASIC (C) PASCAL (D) FORTRAN	D
8.	Which vitamin is produced in the body by ultraviolet rays? (A) Vitamin A (B) Vitamin D (C) Vitamin E (D) Vitamin K	B
9.	Identify the next term of the following series DMP, FLN, HKL, JJJ, ____ (A) LIH (B) MII (C) III (D) MIF	A
10.	ISO stands for (A) International standards organization (B) International organization of standardization (C) International organization for standardization (D) International standardization organization	C
11.	CPU stands for (A) Computer Processing Unit (B) Central Processing Unit (C) Computer Protection Unit (D) Central Processing Upload	B
12.	What is the instrument used for measuring atmospheric humidity? (A) Hydrometer (B) Hygrometer (C) Manometer (D) Telemeter	B
13.	Microprocessors can be used to make (A) Computer (B) Digital system	D

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	(C) Calculators (D) All of the above	
14.	Which instrument is used to measure electric current (A) Voltmeter (B) Electrometer (C) Ammeter (D) Rheostat	C
15.	A bar code reader is an example of (A) Processing device (B) Storage device (C) Input device (D) Output device	C
16.	Dry ice is _____ (A) Liquid carbon dioxide (B) Water vapour (C) Carbon dioxide gas (D) Solid carbon dioxide	D
17.	A liquid metal is (A) Bromine (B) Mercury (C) Iodine (D) Sodium	B
18.	Who is Responsible for Quality? (A) Top Management (B) Middle Management (C) Youngsters (D) Everyone	D
19.	Light-year is the unit of (A) Velocity (B) Distance (C) Light (D) Time	B
20.	Goitre is caused due to deficiency of (A) vitamin A (B) fluorine	C

	(C) iodine (D) vitamin C	
21.	_____ is the process of dividing the disk into tracks and sectors (A) Tracking (B) Formatting (C) Crashing (D) Alloting	B
22.	In jaundice, which organ is mainly affected? (A) liver (B) kidney (C) lungs (D) brain	A
23.	To perform calculations on stored data computer uses _____ number system (A) Decimal (B) Hexadecimal (C) Octal (D) Binary	D
24.	Uncontrolled cell division leads to (A) normal growth (B) cancer (C) whooping cough (D) gigantism	B
25.	Find out the missing analogy Doctor : Medicine :: Teacher : ? (A) student (B) class (C) pen (D) knowledge	D
26.	ISO 17025 deals with standard for (A) Testing Laboratories (B) Calibration Laboratories (C) Testing and Calibration laboratories (D) Biomedical Laboratories	C
27.	Which of the following is a volatile memory (A) SD RAM (B) CD ROM	A

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	(C) ROM (D) SSD	
28.	Vaccination is not available for (A) polio (B) common cold (C) tetanus (D) tuberculosis	B
29.	DOS stands for _____ (A) Drive Out System (B) Dry Out System (C) Disk Operating System (D) Disk Output System	C
30.	Unit of work is (A) Joule (B) Dyne (C) Pound (D) Newton	A
31.	All the deleted files go to (A) Recycle bin (B) Task bar (C) Tool bar (D) My computer	A
32.	The antibodies are (A) proteins (B) carbohydrates (C) lipids (D) germs	A
33.	Identify the missing number in the following series 2, 6, 12, 20, 30, ___ (A) 40 (B) 42 (C) 44 (D) 46	B
34.	PDCA cycle is also known as (A) Management Cycle (B) Deming Cycle	B

	(C) Ishikawa Cycle (D) Fleming Cycle	
35.	By default, Microsoft Excel position text in a cell as ____ (A) Left aligned (B) Right aligned (C) Centre aligned (D) Justified	A
36.	The process in which the liquid water changes into gas is called (A) precipitation (B) condensation (C) evaporation (D) transpiration	C
37.	MS Excel is used for (A) Letter writing (B) Spread sheet calculation (C) presentation (D) painting	B
38.	Minerals and metals are (A) biodegradable resources (B) renewable (C) non-renewable (D) inexhaustible	C
39.	Which of the following is not a term pertaining to Microsoft Office Word? (A) Delete (B) Edit (C) Copy (D) Slide show	D
40.	Which of the following is not a green house gas? (A) methane (B) carbon dioxide (C) carbon monoxide (D) ammonia	D
41.	The least perfect square which is divisible by 2, 3, 4, 5, 6, 8 is (A) 400 (B) 900	D

	(C) 2500 (D) 3600	
42.	The laboratory's quality system policies and objectives shall be defined in (A) Quality Policy (B) Quality Manual (C) Standard operating procedure (D) Work procedure	B
43.	Wi-Fi uses (A) Optic fiber (B) Phase line (C) Radio-waves (D) Sound waves	C
44.	The breakdown of pyruvate to give carbon dioxide, water and energy takes place in (A) cytoplasm (B) chloroplast (C) mitochondria (D) nucleus	C
45.	Which of the following is a search engine (A) Google (B) Bing (C) Yahoo (D) All of the above	D
46.	Proteins after digestion are converted into (A) carbohydrates (B) small globules (C) starch (D) amino acids	D
47.	WWW stands for (A) World Wide Wizard (B) World Wide Web (C) World Wide Wonder (D) Wide World Web	B
48.	Blood consists of a fluid medium called (A) lymph (B) platelets	D

	(C) serum (D) plasma	
49.	Which series contains the fraction in ascending order (A) 11/14, 16/19, 16/21 (B) 16/19, 11/14, 16/21 (C) 16/21, 11/14, 16/19 (D) 16/19, 16/21, 11/14	C
50.	Review of request is done in order to ensure that (A) no complaints occur (B) the test was not conducted earlier (C) client is good (D) the laboratory has the capability and resources to meet the requirements	D
51.	Which of the following is a famous microblogging site (A) Facebook (B) Twitter (C) Whatsapp (D) Google plus	B
52.	Cylindrical lens is used to correct _____ (A) Myopia (B) Astigmatism (C) Hypermetropia (D) Colour blindness	B
53.	A digital signature is (A) Scanned signature (B) Signature in binary form (C) Encrypting information (D) Handwritten signature	C
54.	Which organelle of the cell is known as power house? (A) ATP (B) golgi bodies (C) mitochondria (D) nucleus	C
55.	A website is a collection of (A) graphics (B) programs	D

	(C) algorithms (D) web pages	
56.	Central nervous system constitutes (A) brain and spinal cord (B) spinal cord and nerves (C) relay neuron and brain (D) bones and nerves	A
57.	A gardener plants 17956 trees in such a way that there are as many rows as there are trees in a row. The number of trees in a row are (A) 124 (B) 134 (C) 144 (D) 146	B
58.	The procedure for corrective action shall start with (A) person who did it (B) reaction to the problem (C) an investigation to determine the root cause of the problem (D) environmental conditions lead to the problem	C
59.	Mail merge feature can be used for (A) Sending two messages simultaneously (B) Merging content of mails (C) Sending same content to multiple recipient (D) All of the above	C
60.	Insulin helps in (A) promoting growth (B) regulating amount of water (C) regulating fat metabolism (D) regulating blood sugar levels	D
61.	Which day is celebrated as National Science Day (A) 5 th September (B) 14 th November (C) 28 th February (D) None of the above	C
62.	ECG is related to (A) Brain (B) Heart	B

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	(C) Eyes (D) Kidney											
63.	In computing IP address means (A) International Pin (B) Internet Protocol (C) Invalid Pin (D) Insert Pin	B										
64.	Bacterium responsible for the curdling of milk is (A) <i>lactobacillus</i> (B) <i>E.coli</i> (C) <i>Rhizobium</i> (D) <i>plasmodium</i>	A										
65.	A boy runs at 15.6 kmph. How many meters does he run in 2 minutes? (A) 260 m (B) 312 m (C) 520 m (D) 1040 m	C										
66.	The accreditation is done by (A) First Party (B) Second party (C) Third party (D) Fourth party	C										
67.	Match item 1 and Item 2 and select the group of matching <table border="0"> <tr> <td>Item I</td> <td>Item II</td> </tr> <tr> <td>1.Processor speed</td> <td>i) MB</td> </tr> <tr> <td>2.Monitor size</td> <td>ii) Gbps</td> </tr> <tr> <td>3.Hard disk speed</td> <td>iii) GHz</td> </tr> <tr> <td>4.Floppy capacity</td> <td>iv) Inch</td> </tr> </table> (A) (1,iv), (2,ii), (3,iii),(4,i) (B) (1,ii), (2,iv), (3,iii), (4,i) (C) (1,iii), (2,iv), (3,ii), (4,i) (D) (1,ii), (2,iii), (3,iv), (4,i)	Item I	Item II	1.Processor speed	i) MB	2.Monitor size	ii) Gbps	3.Hard disk speed	iii) GHz	4.Floppy capacity	iv) Inch	C
Item I	Item II											
1.Processor speed	i) MB											
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4.Floppy capacity	iv) Inch											
68.	Tuberculosis spreads by (A) mosquitoes (B) house flies	D										

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	(C) contaminated water (D) droplets of sneeze and cough	
69.	What does OCR stand for (A) Optical Character Reader (B) Operational Character Reader (C) Optical Character Recognition (D) Only Character Reader	C
70.	Mosquitoes are vectors for I. Dengue fever II. Malaria III. Cholera (A) I only (B) I and II (C) II and III (D) I, II and III	B
71.	Large amounts of cheques are processed by using (A) OCR (B) MICR (C) OMR (D) IFS	B
72.	Toxicology is a science devoted to the study of (A) food (B) toxins and toxicants (C) alcohol (D) fruits	B
73.	If $A:B=8:15$, $B:C=5:8$ and $C:D=4:5$ then $A:D$ is equal to (A) 2:7 (B) 4:15 (C) 8:15 (D) 15:4	B
74.	The non-fulfillment of a specified requirement is called a (A) Lacunae (B) Nonconformity (C) Corrective action (D) Concession	B
75.	_____ is stored in local computer, used to hold stateful information about web browsing (A) Web history	C

	(B) Plugin (C) Cookie (D) script	
76.	Which of the following is a chemical change (A) Evaporation (B) Oxidation (C) Precipitation (D) Dissolution	B
77.	Mimicking of a website interface for stealing confidential information is known as (A) Webjacking (B) Phishing (C) Spoofing (D) Hacking	B
78.	_____ is the fundamental building block of computer memory (A) Register (B) AND gate (C) NAND gate (D) Flip-flop	D
79.	The nucleus of an atom consists of (A) Neutrons only (B) Protons only (C) Protons and neutrons (D) Electrons and neutrons	C
80.	_____ has the same atomic number and atomic weight (A) Chlorine (B) Nitrogen (C) Helium (D) Hydrogen	D

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