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Laboratory and Workshop Management

Group Number :	1
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Laboratory and Workshop Management 1

Section Id :	512452828
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	98

Number of Questions to be attempted :	98
Section Marks :	100
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	512452884
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 51245214824 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The laboratory and workshop classes bridge between _____ and practice.

1. concept
2. idea
3. training
4. theory

Options :

- 51245247003. 1
- 51245247004. 2
- 51245247005. 3
- 51245247006. 4

Question Number : 2 Question Id : 51245214825 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Engineering is a practical discipline. It is a hands-on profession where which one of the following is the key?

1. Performance
2. Doing
3. Presentation
4. Achievement

Options :

- 51245247007. 1
- 51245247008. 2
- 51245247009. 3
- 51245247010. 4

Question Number : 3 Question Id : 51245214826 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Classroom management refers to Instruction sheet familiarization to students, doubt clarification and continuous evaluation of student's

- 1. presentation
- 2. appearance
- 3. performance
- 4. achievement

Options :

- 51245247011. 1
- 51245247012. 2
- 51245247013. 3
- 51245247014. 4

Question Number : 4 Question Id : 51245214827 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

From experience it has been observed that students tend to adopt _____ approaches in laboratory/Workshop work.

- 1. superficial
- 2. artificial
- 3. surface
- 4. deep

Options :

- 51245247015. 1
- 51245247016. 2
- 51245247017. 3
- 51245247018. 4

Question Number : 5 Question Id : 51245214828 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Generally, practice works in the laboratories /workshops are meant for _____of certain facts and laws.

- 1. enigma
- 2. verification
- 3. paradox
- 4. contradiction

Options :

- 51245247019. 1
- 51245247020. 2
- 51245247021. 3
- 51245247022. 4

Question Number : 6 Question Id : 51245214829 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

It is to be remembered that students know best when the instructor plays the role of a

- 1. originator
- 2. administrator
- 3. superior
- 4. supervisor

Options :

- 51245247023. 1

51245247024. 2

51245247025. 3

51245247026. 4

Question Number : 7 Question Id : 51245214830 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Technician's support is necessary for successful _____ of a laboratory experiment.

1. conclusion
2. assumption
3. hypothesis
4. suggestion

Options :

51245247027. 1

51245247028. 2

51245247029. 3

51245247030. 4

Question Number : 8 Question Id : 51245214831 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In a Laboratory and Workshop ' _____ collaboration' takes place between Faculty Member(s) and Technician(s).

1. Formal
2. Prescribed
3. Professional
4. Recommended

Options :

51245247031. 1

51245247032. 2

51245247033. 3

51245247034. 4

Question Number : 9 Question Id : 51245214832 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The role of Technician in Laboratory and Workshop Technician - ----- and Technical Knowledge

1. Strength
2. Labour
3. Effort
4. Power

Options :

51245247035. 1

51245247036. 2

51245247037. 3

51245247038. 4

Question Number : 10 Question Id : 51245214833 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The delegation of responsibilities in the laboratory class is performed by

1. Technical staff/Technicians
2. Faculty
3. Lab-in-charge
4. Head of the Department

Options :

51245247039. 1

51245247040. 2

51245247041. 3

51245247042. 4

Question Number : 11 Question Id : 51245214834 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In laboratories and workshops, both faculty members and technicians play the role of

1. Mentors
2. Analysts
3. Counsellors
4. Instructors

Options :

- 51245247043. 1
- 51245247044. 2
- 51245247045. 3
- 51245247046. 4

Question Number : 12 Question Id : 51245214835 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The primary goals of _____ maintenance is preservation and enhancement of equipment reliability.

1. predictive
2. preventive
3. selective
4. exploitative

Options :

- 51245247047. 1
- 51245247048. 2
- 51245247049. 3
- 51245247050. 4

Question Number : 13 Question Id : 51245214836 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Ammeter has a built in resistance, which can't be removed either way. So the only way is to

1. maximize it
2. minimize it
3. neutral it
4. replace it

Options :

- 51245247051. 1
- 51245247052. 2
- 51245247053. 3
- 51245247054. 4

Question Number : 14 Question Id : 51245214837 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Correct procedures and required standards in the laboratory are shown by

1. brainstorming
2. demonstration
3. case studies
4. discussion

Options :

- 51245247055. 1
- 51245247056. 2
- 51245247057. 3
- 51245247058. 4

Question Number : 15 Question Id : 51245214838 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A real situation is illustrated in brief or as a presentation which is then analysed by the participants. This type of learning method is known as

1. Brainstorming
2. Discussion
3. Distance Learning
4. Case study

Options :

- 51245247059. 1
- 51245247060. 2
- 51245247061. 3
- 51245247062. 4

Question Number : 16 Question Id : 51245214839 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

For detection of hot spots in a plant, thermal load imbalance is detected from a safe distance using

1. Oil analysis
2. Thermography
3. Vibration analysis
4. Fracture analysis

Options :

- 51245247063. 1
- 51245247064. 2
- 51245247065. 3
- 51245247066. 4

Question Number : 17 Question Id : 51245214840 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Fill in the blank

The faculty needs advanced training for imparting knowledge on cutting edge technologies, future scope, and_____ of laboratories/workshops.

1. rebuilding
2. modernization
3. restructuring
4. reallocating

Options :

- 51245247067. 1
- 51245247068. 2
- 51245247069. 3
- 51245247070. 4

Question Number : 18 Question Id : 51245214841 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Practical experiences and applications give the trainees the opportunity to apply the knowledge and skills learned in a real life or in a

1. stimulated situation
2. inspired situation
3. simulated situation
4. artificial situation

Options :

- 51245247071. 1
- 51245247072. 2
- 51245247073. 3
- 51245247074. 4

Question Number : 19 Question Id : 51245214842 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Quality output from any machine/equipment depends on the machine's

1. repeatable performance
2. non-repeatable performance
3. non-recurrence performance
4. None of the above

Options :

- 51245247075. 1
- 51245247076. 2
- 51245247077. 3
- 51245247078. 4

Question Number : 20 Question Id : 51245214843 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Classroom management refers to Instruction sheet familiarization to students, doubt clarification and continuous evolution of student's

1. appearance
2. achievement
3. performance
4. presentation

Options :

- 51245247079. 1
- 51245247080. 2
- 51245247081. 3
- 51245247082. 4

Question Number : 21 Question Id : 51245214844 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Engineering education occurs as much in the laboratory as it does through lectures. This statement is

1. partially true
2. true
3. false
4. partially false

Options :

- 51245247083. 1
- 51245247084. 2
- 51245247085. 3
- 51245247086. 4

Question Number : 22 Question Id : 51245214845 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Experiential learning does not need self ingenuity ,an objective to learn.

1. True
2. False
3. Partially true
4. Partially false

Options :

- 51245247087. 1
- 51245247088. 2
- 51245247089. 3
- 51245247090. 4

Question Number : 23 Question Id : 51245214846 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The nature of activities in the labrotary to develop creative thinking which could lead to innovations .

1. True
2. Partially true
3. Partially false
4. False

Options :

- 51245247091. 1
- 51245247092. 2
- 51245247093. 3
- 51245247094. 4

Question Number : 24 Question Id : 51245214847 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Technicians are respository of deep long standing knowledge of what works and what does not work.

1. False
2. Partially False
3. True
4. Partially true

Options :

- 51245247095. 1
- 51245247096. 2
- 51245247097. 3
- 51245247098. 4

Question Number : 25 Question Id : 51245214848 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Flame over circle is the GHS labeling for:

1. Flammable substances
2. Combustible substances
3. Oxidizing substances
4. Compressed natural gas

Options :

- 51245247099. 1
- 51245247100. 2
- 51245247101. 3
- 51245247102. 4

Question Number : 26 Question Id : 51245214849 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Example(s) of ergonomic related hazard(s) is/are:

1. Noise
2. Stress
3. Radiation
4. Awkward posture

Options :

- 51245247103. 1
- 51245247104. 2
- 51245247105. 3
- 51245247106. 4

Question Number : 27 Question Id : 51245214850 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

An example of psychological hazard is:

1. Noise
2. Stress
3. Radiation
4. Magnetic field

Options :

- 51245247107. 1
- 51245247108. 2
- 51245247109. 3
- 51245247110. 4

Question Number : 28 Question Id : 51245214851 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

When selecting appropriate materials for gloves, which one of the following properties is not important?

1. Degradation rating
2. Breakthrough time
3. Colour of the material
4. Permeation rate

Options :

- 51245247111. 1
- 51245247112. 2
- 51245247113. 3
- 51245247114. 4

Question Number : 29 Question Id : 51245214852 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following is NOT an eye protector used for laboratory work?

1. Shielded safety goggles
2. Glass eye shield
3. Full face shield
4. Gas mask

Options :

- 51245247115. 1
- 51245247116. 2
- 51245247117. 3
- 51245247118. 4

Question Number : 30 Question Id : 51245214853 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Pick up incompatible waste pair:

1. Ethanol and acetone
2. Sulphuric acid and sodium hydroxide
3. Benzene and toluene
4. Hydrochloric acid and nitric acid

Options :

- 51245247119. 1
- 51245247120. 2
- 51245247121. 3
- 51245247122. 4

Question Number : 31 Question Id : 51245214854 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following is NOT a flammable/combustible waste substance?

1. Methanol
2. Magnesium
3. Propane
4. Mercury

Options :

51245247123. 1
51245247124. 2
51245247125. 3
51245247126. 4

Question Number : 32 Question Id : 51245214855 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Reactive hazardous substances are those which readily

1. catch fire
2. corrode metal
3. interact with other substances
4. absorb other substance

Options :

51245247127. 1
51245247128. 2
51245247129. 3
51245247130. 4

Question Number : 33 Question Id : 51245214856 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Ignitable hazardous waste has flash point temperature :

1. greater than 60 degrees centigrade
2. less than 60 degrees centigrade
3. greater than 100 degrees centigrade
4. none of the above

Options :

- 51245247131. 1
- 51245247132. 2
- 51245247133. 3
- 51245247134. 4

Question Number : 34 Question Id : 51245214857 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one is not an example of corrosive substance?

1. Phenol
2. Hydrochloric acid
3. Concentrated sodium hydroxide solution
4. Acetone

Options :

- 51245247135. 1
- 51245247136. 2
- 51245247137. 3
- 51245247138. 4

Question Number : 35 Question Id : 51245214858 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Personal protective equipment (PPE) in hazardous work, reduces :

1. Probability of hazard
2. Severity of hazard
3. Both probability and severity of hazards
4. Neither probability nor severity of hazards

Options :

- 51245247139. 1
- 51245247140. 2
- 51245247141. 3
- 51245247142. 4

Question Number : 36 Question Id : 51245214859 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following is NOT a common hazard while using a lathe?

1. Sharp object
2. Hot sharpnel in eyes
3. Radiation
4. Rotating parts

Options :

- 51245247143. 1
- 51245247144. 2
- 51245247145. 3
- 51245247146. 4

Question Number : 37 Question Id : 51245214860 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which waste is not a corrosive waste?

1. Nitric acid
2. Phenol
3. Ethanol
4. Concentrated NaOH solution

Options :

51245247147. 1
51245247148. 2
51245247149. 3
51245247150. 4

Question Number : 38 Question Id : 51245214861 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following is NOT an example of a mechanical hazard in a workshop?

1. Rotating object
2. Sharp object
3. Extremely high pressure
4. Corrosive substance

Options :

51245247151. 1
51245247152. 2
51245247153. 3
51245247154. 4

Question Number : 39 Question Id : 51245214862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following is not a hazard associated with electric fields?

1. Shock
2. Burn
3. Ionized radiation
4. Electrocution

Options :

51245247155. 1
51245247156. 2
51245247157. 3
51245247158. 4

Sub-Section Number :

2

Sub-Section Id :

512452885

Question Shuffling Allowed :

Yes

Question Number : 40 Question Id : 51245214863 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Magnetic field is an example of psychological hazard.

1. True
2. False

Options :

51245247159. 1
51245247160. 2

Question Number : 41 Question Id : 51245214864 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Hard hat is an example of Personal Protective Equipment:

1. True
2. False

Options :

51245247161. 1
51245247162. 2

Question Number : 42 Question Id : 51245214865 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The full form of GHS in hazards classification and labelling of chemicals is "Globally Harmonized Symbol"

1. True
2. False

Options :

51245247163. 1
51245247164. 2

Sub-Section Number : 3
Sub-Section Id : 512452886
Question Shuffling Allowed : Yes

Question Number : 43 Question Id : 51245214866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Hazards associated with cryogenic substances is/are:

- A) Cold burn
- B) Corrosion
- C) Frostbite
- D) Hot burn

Choose the **correct** answer from the options given below.

1. A only
2. C only
3. A and C
4. A, C and D only

Options :

- 51245247165. 1
- 51245247166. 2
- 51245247167. 3
- 51245247168. 4

Question Number : 44 Question Id : 51245214867 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Corrosive hazardous waste has pH:

A) ≤ 2

B) 7.0

C) 7.4

D) ≥ 12.5

1. A only
2. B only
3. B and C only
4. A and D only

Options :

51245247169. 1

51245247170. 2

51245247171. 3

51245247172. 4

Question Number : 45 Question Id : 51245214868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Example(s) of poisonous substance(s) is/are:

- A) Benzene
- B) Ethanol
- C) Mercury
- D) Sodium hydroxide

Choose the correct answer from the options given below

1. A and B
2. B and C
3. A and C
4. A and D

Options :

- 51245247173. 1
- 51245247174. 2
- 51245247175. 3
- 51245247176. 4

Question Number : 46 Question Id : 51245214869 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match **List I** with **List II**

List I	List II
Type of hazardous waste	Associated Hazards
A. Inorganic acid	I. Readily catch fire
B. Flammable substance	II. Readily corrode metals
C. I ₁₃₁	III. Poisonous vapor
D. Mercury	IV. Radiation
	V. Self reactive

Choose the **correct** answer from the options given below:

1. A - II, B - I, C - IV, D - III
2. A - I, B - IV, C - II, D - III
3. A - IV, B - III, C - I, D - II
4. A - II, B - I, C - III, D - IV

Options :

51245247177. 1

51245247178. 2

51245247179. 3

51245247180. 4

Question Number : 47 Question Id : 51245214870 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match **List I** with **List II** for hazardous substance and their specific PPE

List I	List II
Hazardous substance	Specific PPE
A. Liquid nitrogen	I. Rubber glove
B. Benzene vapour	II. Leather glove
C. Welding of metal	III. Gas mask
D. Handling acetone waste	IV. Full face shield

Choose the **correct** answer from the options given below:

1. A - II, B - I, C - IV, D - III
2. A - IV, B - III, C - II, D - I
3. A - IV, B - I, C - II, D - III
4. A - II, B - I, C - IV, D - III

Options :

51245247181. 1

51245247182. 2

51245247183. 3

51245247184. 4

Question Number : 48 Question Id : 51245214871 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match **List I** with **List II** for compatible waste stream

List I	List II
A. Sodium hydroxide waste	I. Benzene waste
B. Nitric acid waste	II. Broken hard plastic waste
C. Acetone waste	III. General alkaline waste
D. Broken glass waste	IV. Sulphuric acid waste

Choose the **correct** answer from the options given below:

1. A - II, B - I, C - IV, D - III
2. A - IV, B - I, C - II, D - III
3. A - III, B - IV, C - II, D - I
4. A - III, B - IV, C - I, D - II

Options :

- 51245247185. 1
- 51245247186. 2
- 51245247187. 3
- 51245247188. 4

Question Number : 49 Question Id : 51245214872 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Arrange the activities in proper sequence for the risk assessment

- A. KNOW the worst credible thing that could happen
- B. KNOW the hazards
- C. KNOW what to do if they should happen
- D. KNOW how to deal with it if they should happen

Choose the **correct** answer from the options given below

- 1. B, A, C, D
- 2. C, A, B, D
- 3. D, B, A, C
- 4. C, D, B, A

Options :

- 51245247189. 1
- 51245247190. 2
- 51245247191. 3
- 51245247192. 4

Question Number : 50 Question Id : 51245214873 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Arrange the activities in proper sequence for Safe Operating Procedure (SOP):

- A. Find out the potential hazards/risks
- B. Personal protective equipment to reduce residual risks
- C. Fix the sequence of jobs steps
- D. Recommended control measures in SOP

Choose the **correct** answer from the options given below

- 1. D, A, C, B
- 2. B, D, A, C
- 3. C, A, D, B
- 4. B, C, D, A

Options :

- 51245247193. 1
- 51245247194. 2
- 51245247195. 3
- 51245247196. 4

Question Number : 51 Question Id : 51245214874 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Arrange following chemicals in descending order of toxicity

A. Ethanol

B. Deionized water

C. Benzene

D. Hydrochloric acid

Choose the **correct** answer from the options given below

1. D, A, B, C

2. B, C, D, A

3. D, A, C, B

4. C, D, A, B

Options :

51245247197. 1

51245247198. 2

51245247199. 3

51245247200. 4

Sub-Section Number :

4

Sub-Section Id :

512452887

Question Shuffling Allowed :

Yes

Question Id : 51245214875 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (52 to 54)

Question Label : Comprehension

Read the passage and answer the questions that follow

Metal Arc welding is an extremely hazardous process. The process evolves toxic fumes at high temperature. Therefore, to protect ourselves from the hazards one must wear appropriate Personal Protective Equipment (PPE).

Sub questions

Question Number : 52 Question Id : 51245214876 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The hazard(s) associated with metal Arc welding:

- (A) Hot surface
- (B) Corrosive
- (C) Sharp object
- (D) Metal fumes

- 1. A only
- 2. D only
- 3. A and D
- 4. C and D

Options :

- 51245247201. 1
- 51245247202. 2
- 51245247203. 3
- 51245247204. 4

Question Number : 53 Question Id : 51245214877 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What kind of PPE is required during metal arc welding to protect our eyes?

- (A) Welding helmet
- (B) Full face shield
- (C) Safety goggles
- (D) Normal sunglasses

Choose the correct answer from the options given below

1. A and D
2. A and C
3. B and C
4. A and D

Options :

- 51245247205. 1
- 51245247206. 2
- 51245247207. 3
- 51245247208. 4

Question Number : 54 Question Id : 51245214878 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Metal Arc welding process does NOT have any electric hazard.

- (A) True
- (B) False
- (C) Partially true
- (D) Partially false

Choose the correct answer from the options given below

1. A only
2. B only
3. C only
4. D only

Options :

- 51245247209. 1
- 51245247210. 2
- 51245247211. 3
- 51245247212. 4

Sub-Section Number :	5
Sub-Section Id :	512452888
Question Shuffling Allowed :	Yes

Question Number : 55 Question Id : 51245214879 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match **List I** with **List II**

List I	List II
Method	Advantage
A. Lecture	I. Involves learners actively
B. Case study	II. Uses learners' experiences and ideas
C. Brainstorming	III. Can be used for large groups
D. Demonstration	IV. Handles large number of participants

Choose the **correct** answer from the options given below:

1. A - I, B - II, C - III, D - IV
2. A - IV, B - III, C - II, D - I
3. A - IV, B - I, C - II, D - III
4. A - II, B - III, C - IV, D - I

Options :

51245247213. 1

51245247214. 2

51245247215. 3

51245247216. 4

Question Number : 56 Question Id : 51245214880 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match **List I** with **List II**

List I	List II
Method	Disadvantage
A. Lecture	I. Not easy to validate
B. Case study	II. Takes time for group to work in harmony
C. Group exercise	III. Learners are passive
D. Demonstration	IV. Good viewing by learners is difficult in a large group

Choose the **correct** answer from the options given below:

1. A - III, B - I, C - II, D - IV
2. A - III, B - II, C - I, D - IV
3. A - IV, B - II, C - III, D - I
4. A - I, B - II, C - IV, D - III

Options :

51245247217. 1

51245247218. 2

51245247219. 3

51245247220. 4

Question Number : 57 Question Id : 51245214881 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Oil analysis determines if bearings or components of machines/equipments are

- A. loose
- B. moving
- C. unseated
- D. tight

Choose the **correct** answer from the options given below:

- 1. A, B and D only
- 2. A, B and C only
- 3. A and B only
- 4. A only

Options :

- 51245247221. 1
- 51245247222. 2
- 51245247223. 3
- 51245247224. 4

Question Number : 58 Question Id : 51245214882 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Student's capabilities that are expected to develop as a result of the teacher's instructions are called

- 1. Performance outcomes
- 2. Expected outcomes
- 3. Educational objectives
- 4. Educational goals

Options :

51245247225. 1

51245247226. 2

51245247227. 3

51245247228. 4

Question Number : 59 Question Id : 51245214883 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A plan indicating expected outcomes, teacher and student activities during various steps of instruction, media to be used and the time allocation to various activities is called

1. unit plan
2. lesson plan
3. session plan
4. work plan

Options :

51245247229. 1

51245247230. 2

51245247231. 3

51245247232. 4

Question Number : 60 Question Id : 51245214884 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In assessing the laboratory performance, the evaluation of the laboratory report is included in the component of assessment name

1. process
2. product
3. behaviour
4. viva-voce

Options :

- 51245247233. 1
- 51245247234. 2
- 51245247235. 3
- 51245247236. 4

Question Number : 61 Question Id : 51245214885 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

When a student is doing independent practical work, the teacher should check which one of the following?

- 1. accuracy of material
- 2. accuracy of selection of equipment
- 3. apparatus set-up by student
- 4. accuracy of material, selection of equipment and apparatus set-up by student

Options :

- 51245247237. 1
- 51245247238. 2
- 51245247239. 3
- 51245247240. 4

Question Number : 62 Question Id : 51245214886 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Talk to students and ask them questions as they arrive can be a great way of finding out about the material that has been covered in lectures. This activity comes under strategy for

- 1. pre-laboratory work
- 2. beginning of laboratory
- 3. main practical session
- 4. summarizing

Options :

- 51245247241. 1
- 51245247242. 2

51245247243. 3

51245247244. 4

Question Number : 63 Question Id : 51245214887 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Laboratory demonstration to students should be such that, they can see exactly what is being done and students recognize names, parts, or any obvious skill . For this demonstration should be at

1. normal speed
2. slow speed
3. high speed
4. very high speed

Options :

51245247245. 1

51245247246. 2

51245247247. 3

51245247248. 4

Question Number : 64 Question Id : 51245214888 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

While students are performing the experiment to reinforce the correct response teacher should

1. provide immediate feedback
2. ensure students to take independent observation
3. ask students to complete laboratory report
4. pose questions to check reasoning ability

Options :

51245247249. 1

51245247250. 2

51245247251. 3

51245247252. 4

Question Number : 65 Question Id : 51245214889 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

When the procedure is of little or no significance, different procedures can result in equally good product, procedure is not available for observation then performance assessment is focussed on

1. product
2. procedure
3. product and procedure
4. knowledge

Options :

- 51245247253. 1
- 51245247254. 2
- 51245247255. 3
- 51245247256. 4

Question Number : 66 Question Id : 51245214890 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In performance assessment the highest degree of realism can be seen in

1. identification test
2. structured performance test
3. simulated performance
4. work sample

Options :

- 51245247257. 1
- 51245247258. 2
- 51245247259. 3
- 51245247260. 4

Question Number : 67 Question Id : 51245214891 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

When assessment is conducted under standard, controlled conditions this performance situation is known as

1. identification test
2. simulated performance test
3. pencil-and-paper performance
4. structured performance test

Options :

- 51245247261. 1
- 51245247262. 2
- 51245247263. 3
- 51245247264. 4

Question Number : 68 Question Id : 51245214892 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A list of measurable dimensions of a performance or product with a place to record a simple "yes" or "no" judgement is called

1. check list
2. rating scale
3. product scale
4. portfolios of work

Options :

- 51245247265. 1
- 51245247266. 2
- 51245247267. 3
- 51245247268. 4

Question Number : 69 Question Id : 51245214893 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A graded series of products (usually five or more) carefully chosen to represent successive levels of quality along a inferior-superior continuum is called

1. check list
2. rating scale
3. product scale
4. portfolios of work

Options :

- 51245247269. 1
- 51245247270. 2
- 51245247271. 3
- 51245247272. 4

Question Number : 70 Question Id : 51245214894 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In a rubric the aspects of performance that will be assessed is called

1. criteria
2. descriptor
3. scale
4. level

Options :

- 51245247273. 1
- 51245247274. 2
- 51245247275. 3
- 51245247276. 4

Question Number : 71 Question Id : 51245214895 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

An explicit set of criteria used for assessing a particular type of work or performance and procedures more details than a single grade or mark is called

1. rubric
2. check list
3. product scale
4. rating scale

Options :

- 51245247277. 1
- 51245247278. 2
- 51245247279. 3
- 51245247280. 4

Sub-Section Number :

6

Sub-Section Id :

512452889

Question Shuffling Allowed :

Yes

Question Number : 72 Question Id : 51245214896 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

When the act of performing is the main outcome the focus of assessment should be on product

1. True
2. False

Options :

- 51245247281. 1
- 51245247282. 2

Question Number : 73 Question Id : 51245214897 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In writing outcomes on a process it is necessary to analyse the performance to identify those elements or procedural steps that define a satisfactory performance.

1. True
2. False

Options :

51245247283. 1

51245247284. 2

Sub-Section Number :

7

Sub-Section Id :

512452890

Question Shuffling Allowed :

Yes

Question Number : 74 Question Id : 51245214898 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match **List I** with **List II**

List I	List II
Type of performance assessment	Example of activity
A. Identification test	I. Adjusting a microscope
B. Structured performance test	II. Identifying a tool
C. Simulated performance test	III. Performing actual task
D. Work sample	IV. Reading settings of micrometer from picture
	V. Shadow boxing

Choose the **correct** answer from the options given below:

1. A - I, B - II, C - III, D - IV
2. A - II, B - I, C - V, D - III
3. A - III, B - IV, C - V, D - II
4. A - IV, B - V, C - I, D - III

Options :

- 51245247285. 1
- 51245247286. 2
- 51245247287. 3
- 51245247288. 4

Question Number : 75 Question Id : 51245214899 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

There are five steps in conducting a laboratory class. The steps are

- A. conducting experiments by students
- B. introductory steps
- C. preparation for demonstration
- D. demonstration and explanation
- E. evaluation of students performance

Choose the **correct** sequence of steps from the options given below

- 1. A, B, C, D, E
- 2. C, D, E, B, A
- 3. B, C, D, A, E
- 4. E, D, C, B, A

Options :

- 51245247289. 1
- 51245247290. 2
- 51245247291. 3
- 51245247292. 4

Question Number : 76 Question Id : 51245214900 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Four initial procedural steps for making performance assessment are given below

- A. select the appropriate degree of realism
- B. specify the performance outcome
- C. select the focus of the assessment
- D. select the performance situation
- E. select the method of observing, recording and scoring

Choose the **correct** sequence of steps from the options given below

- 1. A, B, C, D, E
- 2. C, D, E, A, B
- 3. B, C, A, D, E
- 4. D, E, A, B, C

Options :

- 51245247293. 1
- 51245247294. 2
- 51245247295. 3
- 51245247296. 4

Question Number : 77 Question Id : 51245214901 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In laboratory instruction objectives should cover

- A. Cognitive domain
- B. Psychomotor domain
- C. Affective domain
- D. Social domain

Choose the **correct** answer from the options given below:

1. A, B and C only
2. B, C and D only
3. A, C and D only
4. A, B and D only

Options :

- 51245247297. 1
- 51245247298. 2
- 51245247299. 3
- 51245247300. 4

Question Number : 78 Question Id : 51245214902 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In case of performance achievement of laboratory work components related to following should be identified

- A. Process
- B. Product
- C. General behaviour
- D. Social behaviour

Choose the **correct** answer from the options given below:

- 1. A, B and D only
- 2. A, B and C only
- 3. B, C and D only
- 4. A, C and D only

Options :

- 51245247301. 1
- 51245247302. 2
- 51245247303. 3
- 51245247304. 4

Sub-Section Number :

8

Sub-Section Id :

512452891

Question Shuffling Allowed :

Yes

Question Number : 79 Question Id : 51245214903 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

One component of laboratory instruction sheet is Conclusion

- 1. True
- 2. False

Options :

51245247305. 1

51245247306. 2

Question Number : 80 Question Id : 51245214904 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In a laboratory class it spoils the students if teacher does work for the students it will improve for the students it will improve learning

1. True

2. False

Options :

51245247307. 1

51245247308. 2

Sub-Section Number :

9

Sub-Section Id :

512452892

Question Shuffling Allowed :

Yes

Question Number : 81 Question Id : 51245214905 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In which learning situation student learns best when he gets direct help from the teacher least

1. response situation

2. stimulus situation

3. interaction situation

4. critical situation

Options :

51245247309. 1

51245247310. 2

51245247311. 3

51245247312. 4

Question Number : 82 Question Id : 51245214906 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The focus of performance assessment is

- A. process or product
- B. product
- C. process and product
- D. process

Choose the **correct** answer from the options given below:

- 1. A, B and C only
- 2. A, B and D only
- 3. B, C and D only
- 4. A,C and D only

Options :

- 51245247313. 1
- 51245247314. 2
- 51245247315. 3
- 51245247316. 4

Question Number : 83 Question Id : 51245214907 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Important facts of corrective maintenance are

- 1. Use original parts
- 2. Do it right
- 3. Permitting scheduled downtime
- 4. Suggest shutting down of machine

Options :

- 51245247317. 1
- 51245247318. 2
- 51245247319. 3
- 51245247320. 4

Sub-Section Number : 10
Sub-Section Id : 512452893
Question Shuffling Allowed : Yes

Question Number : 84 Question Id : 51245214908 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Predictive maintenance maximize disruption of normal operations while allowing for budgeted scheduled repairs.

- 1. True
- 2. False

Options :

- 51245247321. 1
- 51245247322. 2

Sub-Section Number : 11
Sub-Section Id : 512452894
Question Shuffling Allowed : Yes

Question Number : 85 Question Id : 51245214909 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In creating stimulating environment in the laboratory the activities are

- A. Formation of Laboratory Development Committee
- B. Management of machineries/equipment
- C. Conducting Laboratory discussion hour
- D. Development of Innovation Laboratory

Choose the **correct** answer from the options given below:

- 1. A, C and D only
- 2. A, B and C only
- 3. A and B only
- 4. A only

Options :

- 51245247323. 1
- 51245247324. 2
- 51245247325. 3
- 51245247326. 4

Question Number : 86 Question Id : 51245214910 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Memorizing facts and figures to repeat is known as -----learning .

- 1. deep
- 2. surface
- 3. shallow
- 4. penetrating

Options :

- 51245247327. 1

51245247328. 2

51245247329. 3

51245247330. 4

Question Number : 87 Question Id : 51245214911 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Relating ideas to previous knowledge and experience is known as -----learning .

1. deep
2. surface
3. shallow
4. penetrating

Options :

51245247331. 1

51245247332. 2

51245247333. 3

51245247334. 4

Question Number : 88 Question Id : 51245214912 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match **List I** with **List II**

Method	Trainer's Role
A. Lecture	I. Lead discussion
B. Case study	II. Lead discussion at end
C. Brain storming	III. Provide information
D. E-Learning	IV. Ask provoking questions to provide key issues for discussion

Choose the **correct** answer from the options given below:

1. A - I, B - II, C - III, D - IV
2. A - III, B - IV, C - II, D - I
3. A - II, B - I, C - III, D - IV
4. A - IV, B - III, C - II, D - I

Options :

- 51245247335. 1
- 51245247336. 2
- 51245247337. 3
- 51245247338. 4

Question Number : 89 Question Id : 51245214913 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Doubt clarification of the students in the laboratory/workshop is made by

1. Faculty
2. Technical staff
3. Faculty and Technical Staff
4. Head ,Faculty and Technical Staff

Options :

- 51245247339. 1

51245247340. 2

51245247341. 3

51245247342. 4

Question Number : 90 Question Id : 51245214914 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In designing /planning of training an assessment of training needs comprise of

1. Observing lab/workshop instructors performing normal duties
2. Interviewing the instructors
3. Understanding the job to be performed
4. Plan procedutre to test hypotheses

Options :

51245247343. 1

51245247344. 2

51245247345. 3

51245247346. 4

Question Number : 91 Question Id : 51245214915 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The training of instructors of laboratories/workshops has objectives

- A. Observing lab/workshop instructors performing normal duties
- B. Build and strengthen skills in the specific tasks to be completed for efficient functioning of laboratory/workshop system.
- C. Improve work behaviour, so that people function better at assigned activities and fulfil their potential.
- D. Providing theoretical knowledge to the students

Choose the **correct** answer from the options given below:

- 1. A, B, C and D
- 2. A, B and D only
- 3. A, B and C only
- 4. A and B only

Options :

- 51245247347. 1
- 51245247348. 2
- 51245247349. 3
- 51245247350. 4

Sub-Section Number : 12
Sub-Section Id : 512452895
Question Shuffling Allowed : Yes

Question Number : 92 Question Id : 51245214916 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A real situation is illustrated in a brief or presentation, then analysed by participants. This type of learning method is known as Brain Storming .

1. True
2. False

Options :

51245247351. 1
51245247352. 2

Question Number : 93 Question Id : 51245214917 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In laboratory /workshop psychomotor learning refers to knowing by doing and application of attitude.

1. True
2. False

Options :

51245247353. 1
51245247354. 2

Question Number : 94 Question Id : 51245214918 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Labrotary class develop skills and attitudes that will enable graduates to operate effectively and professionally in an engineering work place.

1. True
2. False

Options :

51245247355. 1
51245247356. 2

Question Number : 95 Question Id : 51245214919 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Good laboratory conduct exclude consuming food inside laboratory

1. True
2. False

Options :

51245247357. 1
51245247358. 2

Question Number : 96 Question Id : 51245214920 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Fire alarm reduces probability of the risk in a hazardous environment

1. True
2. False

Options :

51245247359. 1
51245247360. 2

Question Number : 97 Question Id : 51245214921 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Magnetic field is an example of physical hazard

1. True
2. False

Options :

51245247361. 1
51245247362. 2

Question Number : 98 Question Id : 51245214922 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Safe Operating Procedure (SOP) is not required, when introducing new work practices

1. True
2. False

Options :

51245247363. 1

51245247364. 2

Question Number : 99 Question Id : 51245214923 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Asphyxiation is one of the potential hazard while handling liquid nitrogen for laboratory activities

1. True
2. False

Options :

51245247365. 1

51245247366. 2

Question Number : 100 Question Id : 51245214924 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Ingestion is one of the major route of chemical exposure by our body

1. True
2. False

Options :

51245247367. 1

51245247368. 2