National Testing Agency

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Academic and Research Report

Group Number :	1
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Is this Group for Examiner? :	No

Academic and Research Report

Section Id :	899514159
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50

Question Number : 1 Question Id : 89951410960 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which of the following is not in sequence with the steps to write a report?

a) Understand the purpose of the report
b) Write the summary
c) Collect data/information/Evidences
d) Organize materials

Options :

89951443122. 1

89951443123. 2

89951443124. 3

89951443125. 4

Question Number : 2 Question Id : 89951410961 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which of the following section of an academic/research report is usually written later than the rest?

a) Introduction
b) Methodology
c) Summary
d) Results and discussions

Question Number : 3 Question Id : 89951410962 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Which of the following is not a valid numbering of a figure in a research paper?

a) Fig.5.2
b) Figure 5.2
c) Both (a) and (b)
d) Neither (a) nor (b)

Question Number : 4 Question Id : 89951410963 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

In a research paper, the variables in a mathematical formula, is usually written in

a) italics
b) bold
c) underlined
d) none of the above

Options :

89951443134. 1
89951443135. 2
89951443136. 3
89951443137. 4

Question Number : 5 Question Id : 89951410964 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

The reason of the popularity of ICT based presentation is, it is

a) Easy to develop
b) Easy to modify
c) Easy to carry
d) All of the above

Options :
89951443138. 1
89951443139. 2
89951443140. 3
89951443141. 4

Question Number : 6 Question Id : 89951410965 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Is brainstorming an effective technique to organization the ides for designing an academic/
research presentation?

a) Yes
b) No
c) Uncertain
d) None of the above

Question Number : 7 Question Id : 89951410966 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which of the following questions should we ask for self-evaluation as a presented of academic/ research report?

a) Do I brainstorm ideas ?

b) Do I use anxiety to improve my presentation ?

c) Do I determine an objective ?

d) All of the above

Question Number : 8 Question Id : 89951410967 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which of a following is among the best practices while designing a research presentation?

    a) Include a preview of the main ideas.
    b) Include a review of the main ideas.
    c) Both (a) and (b) above
    d) Neither (a) nor (b) above

Options :
89951443150. 1
89951443151. 2
89951443152. 3
89951443153. 4

Question Number : 9 Question Id : 89951410968 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Which of the following steps is an effective way to help the audience follow the contents of
    the presentation?

    a) Provide hand- outs
    b) Request them to be attentive
    c) Repeat each sentence thrice
    d) Use more and more slides

Options :
89951443154. 1
89951443155. 2
89951443156. 3
89951443157. 4

Question Number : 10 Question Id : 89951410969 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The text and visuals in a slide should be arranged in such a way that

    a) They are clearly visible to the entire audience
    b) They are aesthetically appealing
    c) Both (a) and (b) above
    d) None of the above

Options :
89951443158. 1
89951443159. 2
89951443160. 3
89951443161. 4

Question Number : 11 Question Id : 89951410970 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Usually, accepted papers in a conference are published in _____.

    a) Journals
    b) Conference Proceedings
    c) Articles
    d) None of the above

Options :
89951443162. 1
89951443163. 2
89951443164. 3
89951443165. 4

Question Number : 12 Question Id : 89951410971 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Preliminary studies in case of any thesis work involve _____ .

    a) Homework

    b) Input vs output

    c) Validation, Calibration etc

    d) None of the above

Options :

89951443166. 1

89951443167. 2

89951443168. 3

89951443169. 4

**Question Number : 13 Question Id : 89951410972 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0**

Your work will be highly appreciated, if you have _____ of the engine/equipment/device

    a) Reduced losses

    b) Increased efficiency

    c) Found efficiency

    d) Either (a) or (b)

Options :

89951443170. 1

89951443171. 2

89951443172. 3

89951443173. 4

**Question Number : 14 Question Id : 89951410973 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0**

Power output, energy obtained and efficiency are _____.

    a) Design parameters
    b) Loss parameters
    c) Performance parameters
    d) None of the above

Options :
89951443174. 1
89951443175. 2
89951443176. 3
89951443177. 4

Question Number : 15 Question Id : 89951410974 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Usually, in a research paper, the references are numbered on _____.

    a) No basis
    b) The basis of occurrence in the text
    c) Reverse chronological order
    d) Author's wish

Options :
89951443178. 1
89951443179. 2
89951443180. 3
89951443181. 4

Question Number : 16 Question Id : 89951410975 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

If the work is experimental, one should deal with_____.

    a) Precautions to be taken
    b) Measurements to be taken
    c) Both (a) and (b)
    d) None of the above

Options :
89951443182. 1
89951443183. 2
89951443184. 3
89951443185. 4

Question Number : 17 Question Id : 89951410976 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Contents section deals with _____ along with page numbers.

    a) Details of chapters
    b) List of Tables and Figures
    c) Various sub headings
    d) All of the above

Options :
89951443186. 1
89951443187. 2
89951443188. 3
89951443189. 4

Question Number : 18 Question Id : 89951410977 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Preliminary studies section for a thesis is applicable in _____.

    a) Computational work
    b) Experimental work
    c) Numerical work
    d) Any of the above

Options :
89951443190. 1
89951443191. 2
89951443192. 3
89951443193. 4

Question Number : 19 Question Id : 89951410978 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Validation is _____.

    a) Comparing theoretical results with computational work
    b) Comparing theoretical results with numerical work
    c) Comparing computational results with experimental work
    d) None of the above

Options :
89951443194. 1
89951443195. 2
89951443196. 3
89951443197. 4

Question Number : 20 Question Id : 89951410979 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

If the work is experimental, it must include _____.

    a) Either (c) or (d)
    b) Both (c) and (d)
    c) Uncertainty analysis
    d) Calibration

Options :

89951443198. 1

89951443199. 2

89951443200. 3

89951443201. 4

Question Number : 21 Question Id : 89951410980 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which one is the command for $\pm$ in Latex environment ?

    a) \plmn
    b) \pm
    c) \plusminus
    d) All of the above

Options :

89951443202. 1

89951443203. 2

89951443204. 3

89951443205. 4

Question Number : 22 Question Id : 89951410981 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which one is the command for Δ in Latex environment ?

a) \delta
b) \Del
c) \Delta
d) \Capdelta

Options :

89951443206. 1
89951443207. 2
89951443208. 3
89951443209. 4

Question Number : 23 Question Id : 89951410982 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which of the following is not a font style?

a) Bold
b) Italics
c) Regular
d) Superscript

Options :

89951443210. 1
89951443211. 2
89951443212. 3
89951443213. 4

Question Number : 24 Question Id : 89951410983 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which kind of insertion of image of the following types does not support in Latex environment ?

a) png
b) jpg
c) gif
d) pdf

Options :
89951443214. 1
89951443215. 2
89951443216. 3
89951443217. 4

Question Number : 25 Question Id : 89951410984 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which one of the following is not used to write mathematical equation in Latex?

a) \begin{equation}
b) \equation
c) $$
d) \end{equation}

Options :
89951443218. 1
89951443219. 2
89951443220. 3
89951443221. 4

Question Number : 26 Question Id : 89951410985 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The main contents of an academic/research report are structured into

    a) Chapters
    b) Sections
    c) Subsections
    d) All of the above

Options :
89951443222. 1
89951443223. 2
89951443224. 3
89951443225. 4

Question Number : 27 Question Id : 89951410986 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

While reviewing, the draft report should be considered from the point-of-view of the

    a) Reader
    b) Writer
    c) Both reader and writer
    d) Neither reader nor writer

Options :
89951443226. 1
89951443227. 2
89951443228. 3
89951443229. 4

Question Number : 28 Question Id : 89951410987 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Which of the following is a valid way of ordering the references in a report?

    a) In alphabetical order by author.
    b) In the order of appearing in the report.
    c) Either (a) or (b), as per existing policy.
    d) None of the above.

Options :
89951443230. 1
89951443231. 2
89951443232. 3
89951443233. 4

Question Number : 29 Question Id : 89951410988 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Usually, a figure, table or a mathematical formula is put within a research paper

    a) At the end
    b) Near the text mentioning it for the first time
    c) At the beginning
    d) Anywhere

Options :
89951443234. 1
8995144235. 2
89951443236. 3
89951443237. 4

Question Number : 30 Question Id : 89951410989 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

An academic presentation is usually

    a) Informative and instructional
    b) Arousing
    c) Persuasive
    d) None of the above

Options :
89951443238. 1
89951443239. 2
89951443240. 3
89951443241. 4

Question Number : 31 Question Id : 89951410990 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

While analyzing the audience of a possible academic/ research which of the following should never be taken into consideration?

    a) Age group of the audience
    b) Approximate size of the audience
    c) Background knowledge of the listeners
    d) None of the above

Options :
89951443242. 1
89951443243. 2
89951443244. 3
89951443245. 4

Question Number : 32 Question Id : 89951410991 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which of the following is not among the best practices while developing an academic/ research presentation?

a) Use font –size so that the text is visible to the entire audience
b) Use visual aids
c) Use data in Graphical form
d) None of the above

Options :
89951443246. 1
89951443247. 2
89951443248. 3
89951443249. 4

Question Number : 33 Question Id : 89951410992 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which of the following questions we should not ask for self-evaluation as a presenter of academic and research reports ?

a) Are my gestures natural?
b) Do I communicate ideas with enthusiasm?
c) Do I analyse the values, needs and constraints of my audience?
d) None of the above

Options :
89951443250. 1
89951443251. 2
89951443252. 3
89951443253. 4

Question Number : 34 Question Id : 89951410993 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

We should practice our research presentation so that

    a) Our gestures are natural
    b) We manage the time appropriately
    c) Our voices are clear and audible
    d) All of the above

Options :

89951443254. 1

89951443255. 2

89951443256. 3

89951443257. 4

Question Number : 35 Question Id : 89951410994 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Most of the research presentations are of the category

    a) Arousing
    b) Informative
    c) Instructional
    d) Either (b) or (c) or both

Options :

89951443258. 1

89951443259. 2

89951443260. 3

89951443261. 4

Question Number : 36 Question Id : 89951410995 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Before submitting the thesis, which of the following things are to be taken care of ?

    a) Spell check
    b) Formatting and fonts
    c) Reference format
    d) All the above

Options :

89951443262. 1
89951443263. 2
89951443264. 3
89951443265. 4

Question Number : 37 Question Id : 89951410996 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Calibration refers to the comparison of _____.

    a) Measured values with a standard of known accuracy
    b) Input parameters with a standard
    c) Output parameters with a standard
    d) None of the above

Options :

89951443266. 1
89951443267. 2
89951443268. 3
89951443269. 4

Question Number : 38 Question Id : 89951410997 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Uncertainty analysis is measuring uncertainties in the _____ that are used to calculate the derived quantity.

    a) Design parameters
    b) Flow parameters
    c) Loss parameters
    d) Experimentally measured quantities

Options :

89951443270. 1

89951443271. 2

89951443272. 3

89951443273. 4

Question Number : 39 Question Id : 89951410998 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Design parameters of a component are similar to _____.

    a) Geometrical parameters
    b) Flow parameters
    c) Both (a) and (b)
    d) None of the above

Options :

89951443274. 1

89951443275. 2

89951443276. 3

89951443277. 4

Question Number : 40 Question Id : 89951410999 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

The format of a research paper depends on _____.

    a) Journal to be communicated
    b) The conference we are aiming for
    c) The field of work
    d) Both (a) and (b)

Options :
89951443278. 1
89951443279. 2
89951443280. 3
89951443281. 4

Question Number : 41 Question Id : 89951411000 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Computational methodology does not deal with_____.

    a) Governing equations
    b) Experimental setup
    c) Solver specifications and Solving procedure
    d) All of the above

Options :
89951443282. 1
89951443283. 2
89951443284. 3
89951443285. 4

Question Number : 42 Question Id : 89951411001 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

The chapter Introduction in a thesis or report deals with_____.

    a) Nomenclature
    b) Motivation for doing the work
    c) Abstract
    d) Experimentation

Options :
89951443286. 1
89951443287. 2
89951443288. 3
89951443289. 4

Question Number : 43 Question Id : 89951411002 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Title of the thesis should include _____.

    a) Both (c) and (d)
    b) Either (c) or (d)
    c) What kind of study is done
    d) On what, study is conducted

Options :
89951443290. 1
89951443291. 2
89951443292. 3
89951443293. 4

Question Number : 44 Question Id : 89951411003 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Mesh studies, validation and boundary conditions etc. are used in _____.

    a) Computational work
    b) Experimental work
    c) Both (a) and (b)
    d) None of the above

Options :
89951443294. 1
89951443295. 2
89951443296. 3
89951443297. 4

Question Number : 45 Question Id : 89951411004 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Sensitivity analysis in a study involves _____.

    a) Finalizing required tolerances
    b) Finalizing suitable governing equations
    c) Finalizing appropriate methodologies
    d) All of the above

Options :
89951443298. 1
89951443299. 2
89951443300. 3
89951443301. 4

Question Number : 46 Question Id : 89951411005 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Find the effective one of the following in Latex environment ?

   a) \documentclass[16pt,a4paper]{article}
   b) \documentclass[15pt,a4paper]{article}
   c) \documentclass[12pt,a4paper]{article}
   d) All of the above

Options :
89951443302. 1
89951443303. 2
89951443304. 3
89951443305. 4

Question Number : 47 Question Id : 89951411006 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Which one is the command for ≤ in Latex environment ?

   a) \le
   b) \leq
   c) \lessequal
   d) <=

Options :
89951443306. 1
89951443307. 2
89951443308. 3
89951443309. 4

Question Number : 48 Question Id : 89951411007 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Borders can be applied to

    a) Cells
    b) Paragraph
    c) Text
    d) All of above

Options :
89951443310. 1
89951443311. 2
89951443312. 3
89951443313. 4

Question Number : 49 Question Id : 89951411008 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which one of the following is not correct one in Latex environment ?

    a) \begin{tabular}{c | c }
    b) \end{tabular}{c | c }
    c) \begin{tabular}{c c c}
    d) \begin{tabular}

Options :
89951443314. 1
89951443315. 2
89951443316. 3
89951443317. 4

Question Number : 50 Question Id : 89951411009 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0

Which of the following will be used to rotate image of angle 60 degree clockwise ?

a) \includegraphics[angle=60]{figfile.jpg}
b) \includegraphics[angle=30]{figfile.jpg}
c) \includegraphics[angle=-60]{figfile.jpg}
d) \includegraphics[angle=-30]{figfile.jpg}

Options :
89951443318. 1
89951443319. 2
89951443320. 3
89951443321. 4