



# Grade 11 PAT

**Design Brief with Primary  
problems & secondary  
problems**

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# PAT

- All EGD learners **must** produce a **PAT**.

# PAT

- Supply learners with the Grade 11, Civil PAT (p 1-9)

## ENGINEERING GRAPHICS AND DESIGN

### GUIDELINES FOR PRACTICAL ASSESSMENT TASKS

GRADE 11

2020

These guidelines consist of 27 pages.

# PAT

- Supply learners with ruled pages and explain the **Design Brief: Phase 1**
- This section should be done in class
- 1.1 Write a short paragraph of a design brief:
  - identify problem(s) (**what** is required of the PAT).

# PAT

- ▶ Supply learners with ruled pages and explain the **Design Brief: Phase 1**
- ▶ This section should be done in class
- ▶ 1.2 A second paragraph of design brief: (**Who**) your role & the process to be followed.

I am responsible for the management process of building a ...

# PAT

- Learners can use the assessment criteria and checklist sheet (grade 11 Civil p 3-6) to **complete the management plan** by supplying the dates of completion at the end of each section (at 1.1, 1.2 ...)

Complete the date column and use the table below to manage your time in completing this PAT.

| No  | Assignment  | Mark      | Learner mark | Date of completion | Remarks |
|-----|---|-----------|--------------|--------------------|---------|
| 1   | Develop the <b>DESIGN BRIEF</b> :   |           |              |                    |         |
| 1.1 | A short paragraph of a design brief: identify problem(s) and what is required to be done (what is required of the PAT). | 2         |              |                    |         |
| 1.2 | A second paragraph of design brief: (Who) your role & the process to be followed.                                       | 2         |              |                    |         |
| 1.3 | Lists of the given specifications and FIVE specification applicable on your responsibilities.                           | 2         |              |                    |         |
| 1.4 | List of FIVE constraints that are relevant to the project.  | 2         |              |                    |         |
| 1.5 | A management plan with target dates for ALL the presentation requirements.  | 2         |              |                    |         |
|     | <b>TOTAL</b>  | <b>10</b> |              |                    |         |
| 2   | Do some <b>RESEARCH</b> on  |           |              |                    |         |

# PAT

- Learners will be evaluated on the information listed on the assessment criteria and checklist sheet (grade 11 Civil PAT p 3-6)

Complete the date column and use the table below to manage your time in completing this PAT.

| <u>No</u> | <u>Assignment</u>   | <u>Mark</u> | <u>Learner mark</u> | <u>Date of completion</u> | <u>Remarks</u> |
|-----------|---|-------------|---------------------|---------------------------|----------------|
| <b>1</b>  | <b>Develop the DESIGN BRIEF:</b>  |             |                     |                           |                |
| 1.1       | A short paragraph of a design brief: identify problem(s) and what is required to be done (what is required of the PAT). | 2           |                     |                           |                |
| 1.2       | A second paragraph of design brief: (Who) your role & the process to be followed.                                       | 2           |                     |                           |                |
| 1.3       | Lists of the given specifications and FIVE specification applicable on your responsibilities.                           | 2           |                     |                           |                |
| 1.4       | List of FIVE constraints that are relevant to the project.  | 2           |                     |                           |                |
| 1.5       | A management plan with target dates for ALL the presentation requirements.  | 2           |                     |                           |                |
|           | <b>TOTAL</b>  | <b>10</b>   |                     |                           |                |
| <b>2</b>  | <b>Do some RESEARCH on</b>  |             |                     |                           |                |

# PAT

- Let the learners do **self evaluation** according to the assessment criteria and checklist sheet (grade 11 Civil p 3-6)

Complete the date column and use the table below to manage your time in completing this PAT.

| <u>No</u> | <u>Assignment</u>   | <u>Mark</u> | <u>Learner mark</u> | <u>Date of completion</u> | <u>Remarks</u> |
|-----------|---|-------------|---------------------|---------------------------|----------------|
| <b>1</b>  | <b>Develop the DESIGN BRIEF:</b>  |             |                     |                           |                |
| 1.1       | A short paragraph of a design brief: identify problem(s) and what is required to be done (what is required of the PAT). | 2           |                     |                           |                |
| 1.2       | A second paragraph of design brief: (Who) your role & the process to be followed.                                       | 2           |                     |                           |                |
| 1.3       | Lists of the given specifications and FIVE specification applicable on your responsibilities.                           | 2           |                     |                           |                |
| 1.4       | List of FIVE constraints that are relevant to the project.  | 2           |                     |                           |                |
| 1.5       | A management plan with target dates for ALL the presentation requirements.  | 2           |                     |                           |                |
|           | <b>TOTAL</b>  | <b>10</b>   |                     |                           |                |
| <b>2</b>  | <b>Do some RESEARCH on</b>  |             |                     |                           |                |

# PAT

- File in either A4 or A3 format, all current pages of the PAT in the correct sequence
- Use dividers between the topics.

