

## **PL-900: Microsoft Power Platform Fundamentals**

From 27 December 2022

### **Describe the business value of Microsoft Power Platform (20–25%)**

#### **Describe the business value of Microsoft Power Platform services**

- 1 Gain insights into data by using Power BI
- 2 Build applications quickly by using Power Apps
- 3 [Not used]
- 4 Automate processes by using Power Automate
- 5 Use connectors to integrate services and data
- 6 Create powerful chatbots by using the Power Virtual Agents web app and Power Virtual Agents in Microsoft Teams

#### **Describe the business value of extending business solutions by using Microsoft Power Platform**

- 7 Describe how Microsoft Power Platform apps work together with Dynamics 365 apps
- 8 Describe how Microsoft Power Platform business solutions work together with Microsoft 365 apps and services
- 11b Describe how Microsoft Power Platform apps work together
- 9 Describe how to use Microsoft Power Platform solutions with Microsoft Teams
- 10 Describe how Microsoft Power Platform business solutions can consume Microsoft Azure services...
- 10a ...including Azure Cognitive Services
- 11 Describe how Microsoft Power Platform business solutions can consume third-party apps and services
- 11a Describe use cases for AppSource

#### **Describe Microsoft Power Platform administration and security**

- 12 Describe how Microsoft Power Platform implements security including awareness of Microsoft Dataverse security roles, Azure Identity Services, and Access Management (IAM)
- 13 Describe how to manage apps and users
- 14 Describe environments
- 15 Describe where to perform specific administrative tasks including Microsoft Power Platform admin center and Microsoft 365 admin center
- 16 Describe data policies
- 17 Describe how Microsoft Power Platform supports privacy and accessibility guidelines
- 17a [Not used]
- 17b Describe Microsoft Power Platform governance capabilities
- 17c Describe analytics and how they can be used

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### **Identify the core components of Microsoft Power Platform (10–15%)**

#### **Describe Microsoft Dataverse**

- 18a Describe the difference between databases and Dataverse
- 18b Describe differences between Dataverse and Dataverse for Teams
- 19 Describe tables, columns, and relationships
- 23 Describe how to use common standard tables to describe people, places, and things
- 21 Describe business logic uses including business rules, real-time workflows, and actions
- 22 Describe dataflows and their uses
- 20 Describe solutions and their purpose

#### **Describe Connectors**

- 24 Describe triggers including trigger types and where triggers are used
- 25 Describe actions
- 26 Describe licensing options for connectors including standard or premium tier
- 27 Identify use cases for custom connectors

#### **Describe AI Builder**

- 28 Identify the business value of AI Builder
- 29 Describe models including business card reader, detection model, document processing model, and prediction model
- 30 Describe how the Power Apps and Power Automate can consume AI Builder data
- 30a Describe how AI Builder is consumed in Microsoft Teams and Microsoft SharePoint

### **Demonstrate the capabilities of Power BI (20–25%)**

#### **Identify common Power BI components**

- 31 Identify and describe uses for visualization controls including pie, bar, donut, and scatter plots and KPIs
- 32 [Not used]
- 33 Describe the Power BI Desktop Reports, Data, and Model views
- 34 [Not used]
- 36 Compare and contrast Power BI Desktop and Power BI Service
- 35 Compare and contrast dashboards, workspaces, and reports
- 36a Describe the Power BI security model
- 36b Describe using Power BI in mobile apps

#### **Connect to and consume data**

- 37a Connect to and combine data from multiple sources including Microsoft Excel
- 38 Describe how to use Power Query to clean and transform data
- 39 Describe and implement aggregate functions
- 40 Identify available types of data sources including Microsoft Excel
- 41 Describe use cases for shared datasets
- 41a Describe use cases for template apps
- 41b Describe options for viewing Power BI reports and dashboards

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### **Build a basic dashboard using Power BI**

- 41c Create a Power BI report
- 42 Create a Power BI dashboard
- 43 [Not used]
- 44 Publish and share reports and dashboards

### **Demonstrate the capabilities of Power Apps (25–30%)**

#### **Identify common Power Apps components**

- 45 Describe the differences between canvas apps and model-driven apps
- 46 [Not used]
- 47 [Not used]
- 48 Describe use cases for formulas

#### **Build a basic canvas app**

- 49 Describe types of data sources
- 50 Connect to data sources by using connectors
- 50a Create an app from data
- 51 [Not used]
- 52 Use controls to design the user experience
- 54 Publish and share an app
- 53 Describe embedding into Microsoft Teams

#### **Build a basic model-driven app**

- 59 Create a model-driven app from tables
- 60a Modify forms
- 60b Create and modify views and columns
- 61 Publish and share an app

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### **Demonstrate the capabilities of Power Automate (10–15%)**

#### **Identify common Power Automate components**

- 62 Identify flow types including cloud, desktop, and business process flows
- 63 Describe use cases for flows and available flow templates
- 64 Describe how Power Automate uses connector triggers and actions
- 65 Describe loops and conditions including switch, do until, and apply to each
- 66 Describe expressions
- 67 Describe use cases for approvals
- 67a Describe the Power Automate apps, including Power Automate Desktop, Power Automate mobile, and Power Automate portal

#### **Build a basic cloud flow**

- 68 Create a cloud flow by using the instant, automated, or scheduled flow template
- 69 Modify a cloud flow
- 70 Use flow steps to perform data operations
- 71 Run a cloud flow
- 72 [Not used]

### **Demonstrate the capabilities of Power Virtual Agents (1–5%)**

#### **Describe the capabilities of Power Virtual Agents in Microsoft Teams**

- 73 Describe use cases for Power Virtual Agents within Microsoft Teams
- 74 [Not used]
- 75 Describe topics, entities, and actions
- 76 Describe message nodes, question nodes, conditions, trigger phrases, and the authoring canvas
- 77 [Not used]

#### **Build and publish a basic chatbot**

- 78 Create a chatbot
- 79 Create a topic
- 80 Call an action
- 81 Launch a Power Automate flow from a chatbot
- 82 Publish a chatbot to different applications including Microsoft Teams, websites, and other apps