SYLLABUS FOR BOARD OF STUDIES ADOPTION — generated from the live catalogue record

AWS Cloud Practitioner Certification Preparation

S-07A · 5 days (configurable 1–5 days) · Informatics · Cloud · Years: 3rd, PG

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OVERVIEW

Full exam blueprint coverage, hands-on labs and a practice exam. Prepares students for the actual OEM certification.

AWS certifications are among the most requested credentials in cloud hiring; full blueprint coverage with labs and a practice exam prepares students to sit the OEM exam with confidence.

HOURS AND CREDIT POSITION

Contact hours: 40 Guided project: 20 Self-study: 0 Notional total: 60

Credit claim: 2
60 notional hours ÷ 30 hours per credit (NSQF track, UGC Micro-credentials Guidelines §5.3.3) = 2 credits.

COURSE OUTCOMES

CO1. Describe the AWS global infrastructure and core service categories (K2)
CO2. Select an AWS compute and storage service for a stated requirement (K4)
CO3. Explain the shared responsibility model and IAM basics (K2)
CO4. Interpret AWS pricing and cost-management options (K4)
CO5. Complete a full practice exam at the passing standard (K3)

COURSE CONTENT — MODULES

Hours shown are the recommended format; module time scales proportionally when the engagement runs 1–5 days.

Module 1 — Cloud concepts (5h recommended)
Theory: The cloud value proposition, the AWS global infrastructure
Lab: Map regions, availability zones and edge locations
Output: Infrastructure map

Module 2 — Compute (5h recommended)
Theory: EC2, Lambda, containers, auto scaling
Lab: Launch and scale compute in a lab
Output: Compute lab log

Module 3 — Storage (5h recommended)
Theory: S3, EBS, storage classes, lifecycle policies
Lab: Configure storage with lifecycle rules
Output: Storage lab log

Module 4 — Networking (5h recommended)
Theory: VPC, subnets, security groups
Lab: Build a simple VPC
Output: Network lab log

Module 5 — Databases (5h recommended)
Theory: RDS and DynamoDB basics
Lab: Provision a managed database
Output: Database lab log

Module 6 — Security and the shared responsibility model (5h recommended)
Theory: IAM, encryption, the shared responsibility model
Lab: Configure IAM users and policies
Output: IAM lab log

Module 7 — Pricing, billing and support (5h recommended)
Theory: Cost management, support plans
Lab: Estimate a workload's cost
Output: Cost estimate

Module 8 — Practice exam and review (5h recommended)
Theory: A full practice exam and blueprint review
Lab: Sit a full practice exam and review gaps
Output: Practice-exam result

ASSESSMENT SCHEME (100 MARKS)

Hands-on labs — 40 marks
Full practice exam — 40 marks
Blueprint quizzes — 20 marks

CO–PO MAPPING

CO1 !’ PO1 (strength 2)
The infrastructure model is foundational knowledge.

CO2 !’ PO3 (strength 2)
Selecting services for a requirement is solution design.

CO3 !’ PO6 (strength 2)
The shared responsibility model is professional responsibility.

CO4 !’ PO12 (strength 2)
Cost awareness is part of lifelong professional practice.

CO5 !’ PO12 (strength 2)
Preparing for certification is self-directed learning toward a credential.

EVERY PARTICIPANT RECEIVES

- Certificate of completion
- Course material
- LMS access
- Interview question bank
- Mock interview & viva practice
- Optional nasscom NSQF assessment (priced per candidate on your quotation)

FEE

¹1,250 per student, incl. GST
Excludes the optional nasscom assessment where offered. Final pricing on your college's quotation.

DESIGNED BY

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