*4625*

C14–CM–502/C14–IT–**502**

# 4625

## BOARD DIPLOMA EXAMINATION, (C–14)
## OCT/NOV—2017
## DCME—FIFTH SEMESTER EXAMINATION

### SOFTWARE ENGINEERING

*Time* : 3 hours ]                                          [ *Total Marks* : 80

**PART—A**                                                    3×10=30

*Instructions* : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

**1.** Write the solution of software crisis.

**2.** What are the skills necessary for software project management?

**3.** List the various project estimation techniques.

**4.** Write about PERT charts.

**5.** How to identify the functional requirements?

**6.** Write the characteristics of a good SRS document.

**7.** Differentiate between graphical user interface and text-based user interface.

**8.** List the debugging guidelines.

**9.** Define cohesion and coupling.

**10.** Define software reliability.

<div align="center">

**PART—B** 10×5=50

</div>

*Instructions* : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

**11.** Explain about the classical waterfall model.

**12.** Explain the merits for project size estimation.

**13.** Explain about risk management.

**14.** Explain the organization of SRS document.

**15.** *(a)* Explain about object-oriented software design approach. 5

*(b)* Explain any five characteristics of a good user interface. 5

**16.** Explain the following : 5×2=10

*(a)* Black box testing

*(b)* White box testing

**17.** List and explain the various integration testing approaches.

**18.** Explain about software quality management system.

<div align="center">

★ ★ ★

</div>