**Multiple Choice Questions**

1. The OS installed in work station is

(a) **Win Xp Prof 64 bit edition**

(b) Win Xp Prof 32 bit edition

(c) Win Xp Prof 32 bit edition service pack –II

(d) Win Xp Prof 32 bit edition service pack –III

2. The application software installed in MPC instructor is

(a) **MPC.exe** (b) MFC.Exe

(c) Vega 3.6 (d) all

3. The application software installed in work station are

(a) MFC.Exe, MPC.Exe, VEGA 3.6 (b) **MFC.EXE, VEGA 3.6**

(c) MPC.Exe, VEGA 3.6 (d) VEGA 3.6

4. The IP Address of MPC instructor is

(a) 192.0.0.89 (b) **192.1.1.90**

(c) 192.168.0.89 (d) 192.168.1.90

5. Types of ammunition used in 81mm Mortar simulator are

(a) HE, HE(VT) (b) HE, HE(VT) ILL

(c) HE, ILL (d) **HE, HE(VT) ILL, Smoke**

6. The function of MPC station is

(a) To calculate GR, Degree, Height of the target.

(b) Correction applied to MPC

(c) **Modify the platoon setup and method of firing**

(d) To record and replay the exercise

7. The function of workstation is

(a) **Types, Level of exercise, PL setup and set static/ dynamic target**

(b) To set type of ammunition

(c) To select method of firing

(d) Correction applied

8. All analog inputs are coming from

(a) ALL gears (b) Dash Board

(c) **Acc, Bk, Cl, ST** (d) PK/EX brake

9. The signal coming to all analog meters are

(a) Digital input (b) Analog input

(c) Digital output (d)  **Analog output**

10. The signal coming to dashboard as visual indication is

(a) Digital input (b) Analog input

(c) **Digital output** (d) Analog output

11. Proximity switches are used to sense

(a) **Gear**  (b) Diff lock

(c) PK Brake (d) Ignition switch

12. Potentiometers are used for the signaling

(a) Digital input (b) **Analog input**

(c) Digital output (d) Analog output

13. 6 DOF in adv simulator are

(a) Pitch, roll, yaw (b) **Heave, roll. Pitch, surge, sway, yaw**

(c) Roll, sway, surge (d) Heave, surge, roll, yaw

14. In jeep M & M types of communication with interface card

(a) Parallel (b) **Serial**

(c) RS 422 (d) USB

15. The OS installed in Jeep M & M system

(a) **Win Xp Prof service pack-II**

(b) Win Xp Prof 32 bit edition

(c) Win Xp Prof 32 bit edition service pack-II

(d) Win Xp Prof 64 bit edition service pack-III

16. MP PLC of adv ‘B’ Veh simulator can be connected to

(a) **CGI Com-1** (b) CGI COM-2

(c) IIS Com -1 (d) IIS Com-2

17. PLC in Adv ‘B’ Veh simulator have no of digital inputs

(a) 20 (b) 30

(c) **40** (d) 50

18. Types of motion platform used in adv ‘B’ Veh simulator are

(a) **Electrical and Hydraulic** (b) Electrical and Mechanical

(c) Mechanical and Hydraulic (d) Mechanical and Mechanical

19. In three DOF motion platform the types of motion are

(a) Roll, Pitch and Heave (b) Yaw, Pitch and surge (c) **Roll, Pitch and Yaw**

(d) Sway, Surge, Heave

20 In adv ‘B’ Veh simulator we can connect to IIS

(a) **Different vehicles** (b) Same Vehicles

(c) Only 2.5 ton tata (d) Only ALS

21. The sub assembly of n Drona MK-II are

(a) **IIS, CGI ans IOS** (b) IOS and CGI (c) IIS and IOS

(d) IIS and CGI

22. The Valve used in recoiling system are

(a) Mechanical valve (b) Proportion valve

(c) **Solenoid valve**  (d) Electrical valve

23. The PCI card used in drone mark –II

(a) 1020 (b) 1024

(c) **1021** (d) 1202

24. In Drona MK-II interface uint support no of weapon

(a) 6 (b) **4**

(c) 8 (d) 3

25. Switching plus for recoiling is generated by

(a) IIS (b) **IOS**

(c) CGI (d) Interface unit

26. Solenoid valve operate at dc voltage

(a) **12 VDC**  (b)5 VDC

(c) 15 VDC (d) 24 VDC

27. The microcontroller used in PLC is

(a) 16F876 (b)16F851

(c) **CY 3836** (d) CY 3832

28. The microcontroller used in PIC is

(a) 16F113 (b) **16F876**

(c) 16F51 (d) 16F81

29. PLC used in ‘B’ veh simulator

(a) **Advance** (b)Basic

(c) ATGM (d) DRONA

30. PIC used in ‘B’ veh simulator

(a) Advance (b) **Basic**

(c) ATGM (d) DRONA

31. G-27 Game controller of Logitech is used for

(a) **Digital input** (b) Analog input

(c) Digital output (d) Analog output

32. G-27 Game controller of Logitech can be connected to

(a) Com port of IIS (b) Com port of CGI

(c) USB port of IIS (d) **USB port of CGI**

33. The CGI.Exe and MP.Exe installed in

(a) IIS (b) **CGI**

(c) IOS (d) IIS & CGI

34. IP Address of IIS and CGI is class

(a) Class A (b) Class B

(c) **Class C**  (d) Class D

35. Difference between Drona MK-II and Drona MK-III

(a) **IOS station is removed**  (b) IIS station is removed

(c) CGI station is removed (d) None

36. No of sensor are used in INSAS Rif

(a) 7 (b) **8**

(c) 9 (d) 10

37. Two encoders are used in ATGM simulator

(a) **Traverse encoder and elevation encoder** (b) Low and High encoder

(c) Up and Down encoder (d) Lt and Rt encoder

38. No display but power is there in Inst monitor of work station

(a) **RAM or mother board or Graphics card faulty** (b) Monitor faulty

(c) Power cable faulty (d) LVGA splitter faulty

39. In Drona MK-II and Drona MK-III projector is connected to

(a) IIS VGA port (b) CGI VGA port

(c) **CGI VGA port of graphics card** (d) IOS VGA port

40. No display in projector of Drona MK-II but power LED glow

(a) Projector Faulty (b) **Graphics card, RAM or mother board faulty**

(c) SMPS fault (d) HDD faulty

41. In Adv ‘B’ simulator configuration of IIS PC is

(a) **8GB RAM, 500GB HDD** (b) 2 GB RAM, 160GB HDD

(c) 1 GB RAM, 80GB HDD (d) 16GB RAM, 1 TB HDD

42. No Communication between IIS and CGI in adv simulator

(a) **Wrong IP address, Hub/switch faulty, an port faulty** (b) HDD faulty

(c) OS corrupt (d) SMPS faulty

43. No audio in CGI speaker of Drona MK-II

(a) **Power supply and speaker faulty, audio port or cable faulty** (b) Projector faulty

(c) Motherbd faulty (d) Monitor faulty

44. Graphics card ATI Radon 6950 is used in

(a) IIS system (b) IOS system

(c) **CGI system** (d) none

45. IR filter used in Drona MK-II

(a) **To pass IR light only**  (b) to pass green light only

(c) to pass red light only (d) to pass yellow light only

46. Air compressor is used in Drona MK-II

(a) **For recoiling**  (b) cleaning

(c) firing (d) none

46. Interface card reqd supply voltages are

(a) **12vdc, 5vdc and -12vdc**  (b) 15vdc, 5vdc and -15vdc

(c) 10vdc, 5vdc and 12vdc (d) 3vdc, 5vdc and 12vdc

47. In 81mm Mortar simulator , VEGA license utility wizard key no 1 is given according to

(a) **MAC address**  (b) RAM

(c) HDD  (d) Processor

47. In 81mm Mortar simulator , target GR can be calculated with the help of

(a) LRF (b) Compass

(c) **Map folder**  (d) GPS

48. Use of JOYSTIC in 81mm Mortar simulator .

(a) **LRF & Compass**  (b) Compass

(c) For fiering (d) GPS

49. What is the IP address of IIS/IOS PC of Drona mk-III

(a) 192.168.1.9 (b) 192.168.10.10

(c) 172.10.10.1 (d) **192.168.0.1**

50. What is the IP address of CGI PC of Drona mk-III

(a) 192.168.1.9 (b) **192.168.0.30**

(c) 172.10.10.1 (d) 192.168.0.1