1. In 16.00 min, the minute hand makes

   (i) 97.00° (ii) 98.00° (iii) 96.00° (iv) 95.00° (v) 94.00°

2. In 40.00 min, the hour hand makes

   (i) 20.00° (ii) 19.00° (iii) 22.00° (iv) 21.00° (v) 18.00°

3. In how many minutes, the minute hand makes an angle of 60.00°?

   (i) 9 min (ii) 11 min (iii) 10 min (iv) 8 min (v) 12 min

4. In how many minutes, the hour hand makes an angle of 26.50°?

   (i) 51 min (ii) 52 min (iii) 54 min (iv) 53 min (v) 55 min

5. What is the angle between the minute and hour hands at 11:34?

   (i) 142.00° (ii) 143.00° (iii) 144.00° (iv) 145.00° (v) 141.00°

6. At what time between 10 hr and 11 hr, the angle between the minute and hour hands is 52.50°?

   (i) 10:43:00 and 11:02:05 (ii) 10:45:00 and 11:04:05 (iii) 10:48:00 and 11:07:05

   (iv) 10:47:00 and 11:06:05 (v) 10:42:00 and 11:01:05

7. What is the time between 6 hr and 7 hr when the two hands coincide?

   (i) 06:35:44 (ii) 06:29:44 (iii) 06:34:44 (iv) 06:30:44 (v) 06:32:44

8. What is the time between 1 hr and 2 hr, when the two hands are perpendicular to each other?

   (i) 01:23:49 (ii) 01:24:49 (iii) 01:21:49 (iv) 01:19:49 (v) 01:18:49

9. What is the time between 11 hr and 12 hr, when the two hands are opposite to each other?

   (i) 11:24:16 (ii) 11:30:16 (iii) 11:27:16 (iv) 11:25:16 (v) 11:29:16

10. A watch which gains time uniformly was observed to be 2 min slow at 00:43 PM on a day. At 07:03 PM on the same day it was 3 min fast. At what time did the watch show the correct time?

    (i) 03:15 PM (ii) 03:17 PM (iii) 03:18 PM (iv) 03:12 PM (v) 03:13 PM

11. A watch which gains time uniformly was observed to be 2 min slow at 11:10 AM on a day and 3 min fast at 02:31 PM on the next day. At what time did the watch show the correct time?

    (i) 10:06 PM (ii) 10:04 PM (iii) 10:08 PM (iv) 10:03 PM (v) 10:09 PM

12. A watch which looses time uniformly showed 1 min fast on a day when the correct time was 01:30 PM. It was observed to be 2 min slow at 07:10 PM on the same day. When did the watch show the correct time?

    (i) 03:20 PM (ii) 03:23 PM (iii) 03:25 PM (iv) 03:21 PM (v) 03:26 PM

13. A watch which looses time uniformly showed 2 min fast on a day when the correct time was 00:16 PM. It was observed to be 6 min slow at 06:05 PM on the next day. When did the watch show the correct time?

   (i) 07:41 PM (ii) 07:45 PM (iii) 07:40 PM (iv) 07:46 PM (v) 07:43 PM

14. A clock was set at 11:43 AM on 8th March. On 9th March, at 05:43 PM, the clock showed 05:49 PM. If the clock showed 06:43 AM on 10th March, what was the correct time then?

   (i) 06:37:26 AM (ii) 06:31:26 AM (iii) 06:34:26 AM (iv) 06:36:26 AM (v) 06:32:26 AM

15. A clock was set at 11:56 AM on 11th May. On 12th May, at 07:56 PM, the clock showed 07:49 PM. If the clock showed 09:56 AM on 13th May, what was the correct time then?

   (i) 10:08:05 AM (ii) 10:06:05 AM (iii) 10:04:05 AM (iv) 10:09:05 AM (v) 10:03:05 AM

16. If the time in a clock is 2 hr 0 min, then what time does its mirror image show?

   (i) 11:02 (ii) 11:00 (iii) 10:57 (iv) 10:58 (v) 11:03

17. In 26.00 min, the minute hand makes

   (i) 158.00° (ii) 156.00° (iii) 155.00° (iv) 154.00° (v) 157.00°

18. In 7.00 min, the hour hand makes

   (i) 2.50° (ii) 5.50° (iii) 1.50° (iv) 3.50° (v) 4.50°

19. In how many minutes, the minute hand makes an angle of 336.00°?

   (i) 56 min (ii) 55 min (iii) 54 min (iv) 58 min (v) 57 min

20. In how many minutes, the hour hand makes an angle of 18.00°?

   (i) 34 min (ii) 37 min (iii) 36 min (iv) 35 min (v) 38 min

21. What is the angle between the minute and hour hands at 07:15?

   (i) 129.50° (ii) 128.50° (iii) 126.50° (iv) 127.50° (v) 125.50°

22. At what time between 3 hr and 4 hr, the angle between the minute and hour hands is 46.00°?

   (i) 03:06:00 and 03:22:43 (ii) 03:05:00 and 03:21:43 (iii) 03:10:00 and 03:26:43

   (iv) 03:11:00 and 03:27:43 (v) 03:08:00 and 03:24:43

23. What is the time between 2 hr and 3 hr when the two hands coincide?

   (i) 02:10:55 (ii) 02:07:55 (iii) 02:08:55 (iv) 02:12:55 (v) 02:13:55

24. What is the time between 11 hr and 12 hr, when the two hands are perpendicular to each other?

   (i) 11:43:38 (ii) 11:45:38 (iii) 11:41:38 (iv) 11:46:38 (v) 11:40:38

25. What is the time between 10 hr and 11 hr, when the two hands are opposite to each other?

   (i) 10:21:49 (ii) 10:24:49 (iii) 10:19:49 (iv) 10:23:49 (v) 10:18:49

26. A watch which gains time uniformly was observed to be 1 min slow at 00:34 PM on a day. At 05:00 PM on the same day it was 2 min fast. At what time did the watch show the correct time?

   (i) 01:59 PM (ii) 02:04 PM (iii) 02:02 PM (iv) 02:00 PM (v) 02:05 PM

27. A watch which gains time uniformly was observed to be 3 min slow at 07:41 AM on a day and 2 min fast at 02:29 PM on the next day. At what time did the watch show the correct time?

(i) 02:12 AM next day (ii) 02:07 AM next day (iii) 02:09 AM next day (iv) 02:11 AM next day

(v) 02:06 AM next day

28. A watch which looses time uniformly showed 3 min fast on a day when the correct time was 06:31 AM. It was observed to be 3 min slow at 01:42 PM on the same day. When did the watch show the correct time?

(i) 10:06 AM (ii) 10:08 AM (iii) 10:09 AM (iv) 10:03 AM (v) 10:04 AM

29. A watch which looses time uniformly showed 3 min fast on a day when the correct time was 01:43 PM. It was observed to be 2 min slow at 09:47 PM on the next day. When did the watch show the correct time?

(i) 08:54 AM next day (ii) 08:55 AM next day (iii) 09:00 AM next day (iv) 08:59 AM next day

(v) 08:57 AM next day

30. A clock was set at 06:26 AM on 16th March. On 17th March, at 10:26 AM, the clock showed 10:32 AM. If the clock showed 06:26 AM on 18th March, what was the correct time then?

(i) 06:17:46 AM (ii) 06:12:46 AM (iii) 06:18:46 AM (iv) 06:15:46 AM (v) 06:13:46 AM

31. A clock was set at 10:01 AM on 17th November. On 18th November, at 06:01 PM, the clock showed 05:51 PM. If the clock showed 10:01 AM on 19th November, what was the correct time then?

(i) 10:13:04 AM (ii) 10:16:04 AM (iii) 10:14:04 AM (iv) 10:19:04 AM (v) 10:18:04 AM

32. If the time in a clock is 11 hr 38 min, then what time does its mirror image show?

(i) 00:25 (ii) 00:24 (iii) 00:20 (iv) 00:22 (v) 00:19

Assignment Key

1) (iii)	2) (i)	3) (iii)	4) (iv)	5) (ii)	6) (ii)
7) (v)	8) (iii)	9) (iii)	10) (i)	11) (i)	12) (ii)
13) (v)	14) (iii)	15) (ii)	16) (ii)	17) (ii)	18) (iv)
19) (i)	20) (iii)	21) (iv)	22) (v)	23) (i)	24) (i)
25) (i)	26) (iii)	27) (iii)	28) (i)	29) (v)	30) (iv)
31) (ii)	32) (iv)				